NORFOLK

Department of Public Works, Field Engineering & Environmental Management

September 26, 2022

David Taylor
Regional MS4 Coordinator
Department of Environmental Quality
Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, VA 23462

RE: VPDES Permit VA0088650

Dear Mr. Taylor:

Please find enclosed the FY2022 VPDES Annual Report for the City of Norfolk, submitted in accordance with Part I.E of the above referenced MS4 Phase I permit.

If you have any questions or need additional information, please do not hesitate to contact Casey Magruder, Environmental Programs Manager of Environmental Storm Water Management, at (757) 823–4019.

Sincerely,

Richard Broad, PE
Director of Public Works

Enclosures

CERTIFICATION STATEMENT AND SIGNATORY REQUIREMENTS FOR MS4 PERMIT APPLICATIONS AND REPORTS

As required by 9VAC25-870-370 B, all reports required by state permits, and other information requested by the board shall, be signed by a responsible official or by a duly authorized representative of that person. A responsible official is:

1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long-term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for state permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
2. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
3. For a municipality, state, federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

A person is a duly authorized representative only if:

1. The authorization is made in writing by a person described above;
2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
3. The written authorization is submitted to the department.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Richard Broad 9/26/2022

Responsible Official Signature Date

VA0088650 City of Norfolk

Permit Number MS4 Name

DocuSign Envelope ID: A028B15B-F1E8-438B-8FDA-D4E9E38F3791

NORFOLK

Inter Departmental Memorandum

TO:	Dr. Larry H. Filer II, City Manager
FROM:	Richard Broad, P.E., Director via Wynter Benda, Chief Deputy City Manager
COPIES TO:	Bernard Pishko, City Attorney; June Whitehurst, Programs Manager
SUBJECT:	Duly Authorized Representative – Environmental Regulatory Compliance Documentation
DATE:	December 29, 2020

As mandated by state law, 9VAC25-870-370B, all documentation required for state permit compliance shall be signed by a responsible official or duly authorized representative of that official.

For a municipality, a responsible official is either a principal executive officer or ranking elected official. For a person to be a "duly authorized representative", the authorization must be made in writing by the responsible official and submitted to the state. It specifies the individual would have responsibility for the overall operation of the regulated facility/activity, and having overall responsibility for environmental matters.

Since Public Works is the lead department over storm water environmental regulatory requirements, I am requesting your approval to become a "duly authorized representative." This authorization will allow me to certify environmental regulatory correspondence such as reports, plans, permit applications and other supporting documentation on behalf of the City of Norfolk.

Attached for your signature is a draft letter to the Department of Environmental Quality Tidewater Regional Office noting this authorization for future environmental regulatory correspondence.

Thank you for your consideration of this request.

Richard Broad, P.E.

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NORFOLK

Department of Public Works, Field Engineering & Environmental Management

January 4, 2021

Department of Environmental Quality
Tidewater Regional Office
5636 Southern Blvd.
Virginia Beach, VA 23462

RE: City of Norfolk, Duly Authorized Representative

To Whom It May Concern:

As the principal executive officer, I am approving Mr. Richard Broad, Director of Public Works to be designated as a "Duly Authorized Representative" for the City of Norfolk. This authorization will allow him to certify environmental regulatory correspondence such as reports, plans, permit applications and other supporting documentation on behalf of the City of Norfolk with regard to environmental compliance.

If you have any questions or need additional information, please do not hesitate to contact June Whitehurst, Environmental Programs Manager of Environmental Storm Water Management, at (757) 823 – 4005.

Sincerely,

DocuSigned by:
C45AA22E7D6047B...

Dr. Larry H. Filer II
City Manager

City of Norfolk Phase I MS4 Annual Report - Fiscal Year 2022
VA0088650

Permit Section	Specific Reporting Requirement and Result
Part I.A.2 (Permittee Responsibilities)	Each annual report shall include a current list of roles and responsibilities. • See MS4 Program Plan (originally approved via letter dated August 28, 2017; most recent revision completed in April 2022) for a full list of roles and responsibilities. https://www.norfolk.gov/DocumentCenter/View/70578
	Each annual report shall include a list of those circumstances of non-compliance outside of the permittee's control. • The City is required to inspect a minimum of 724,000 linear feet of sanitary sewer during the reporting year. The City inspected 416,566 linear feet during FY2022. Upon further review, it was found that the City of Norfolk's Utilities Combined Operations has continued to be impacted by COVID-19, as they had many situations where multiple personnel were out for various lengths of time due to COVID-19 related issues. The nationwide staffing shortage also continues to impact the organization Citywide, affecting the hiring/retainment of staff, and leading to an unusually high number of vacancies. These events occurring at the same time led to continued periods of time when operations moved to addressing emergencies only. In addition, supply chain problems, shipping issues nationwide, and staffing issues at the City Garage have lengthened the amount of time before vehicles and equipment can be repaired and able to be utilized.
Part I.A.4 (MS4 Program Resources)	A copy of the fiscal year's budget including its proposed capital and operation and maintenance expenditures necessary to accomplish the activities required by this state permit shall be submitted with each annual report. • See Appendix 1 for all budget information.
Part I.A.6 (MS4 Program Plan)	Upon development, the most recent MS4 Program Plan shall be posted on the permittee's website, and/or provided in another location easily accessible to the public. • The April 2022 revision of the MS4 Program Plan is available online. https://www.norfolk.gov/DocumentCenter/View/70578
Part I.A.7.b (MS4 Program Updates Requested by the Department)	All modifications and proposed modifications shall be reported in accordance with this section of the permit. • The April 2022 revision of the MS4 Program Plan is available online. https://www.norfolk.gov/DocumentCenter/View/70578
Part I.B.1 (Planning)	Each annual report shall include an updated project summary sheet. • See Appendix 2.
	Each annual report shall include a current web link to the project status page. • https://www.norfolk.gov/index.aspx?nid=3969
	Each annual report shall include a status update for those water quality projects for which implementation or construction occurred during the reporting year. • See Appendix 2. https://www.norfolk.gov/index.aspx?nid=3969
Part I.B.2.a (Construction Site Runoff & Post Construction from Areas of New Development &	Each annual report shall contain the number of regulated land disturbing activities approved and the total number of acres disturbed. • A total of 238 land disturbing activities were approved, for a total of 136.198 disturbed acres during FY2022.
	Each annual report shall contain the number of land disturbing activity inspections conducted and the number and type of each enforcement action taken.

<table>
<tr><th>Permit Section</th><th>Specific Reporting Requirement and Result</th></tr>
<tr><td rowspan="3">Development on Prior Developed Lands)</td><td>• A total of 3,436 Erosion & Sediment Control inspections were conducted, resulting in 54 written violations and 1 Stop Work Order during FY2022.</td></tr>
<tr><td>Each annual report shall include a list of land disturbing projects that qualify under the “Grandfathering” provision of the VSMP regulations that receive coverage under the General VPDES Permit for Discharges of Stormwater from Construction Activities during the reporting period.
• NA – None during FY2022.</td></tr>
<tr><td>Each annual report shall include a summary of actions taken by the permittee to implement a local E&SC program consistent with the VESC Law and regulations, and a SWM program consistent with VSWM Act and regulations. The permittee shall identify in the MS4 Program Plan all legal authorities for ESC and SWM that are more stringent than required.
• See MS4 Program Plan (https://www.norfolk.gov/DocumentCenter/View/70578) and City’s Design & Construction Manual (https://www.norfolk.gov/DocumentCenter/View/21350) for details.</td></tr>
<tr><td rowspan="2">Part I.B.2.b (Retrofitting on Prior Developed Lands)</td><td>Each annual report shall include a status update for those projects for which implementation began during the reporting period.
• See Appendix 2. https://www.norfolk.gov/index.aspx?nid=3969</td></tr>
<tr><td>For retrofit projects that do not serve to meet the requirements of Part I.D, the permittee shall submit a summary of projects implemented during the reporting period with each annual report including type of land use being retrofitted, retrofit performed, completion date or anticipated completion date, total acreage retrofitted, total impervious and pervious acreage, and location by latitude and longitude (in decimal degrees).
• NA – All retrofit projects serve to assist in meeting the requirements of Part I.D (TMDL Action Plans and Implementation) of the MS4 permit.</td></tr>
<tr><td rowspan="2">Part I.B.2.c (Roadways)</td><td>No later than 24-months after the effective date of this state permit, the permittee shall develop and maintain an accurate list of permittee maintained roads and streets, that includes the street name, the miles of roadway not treated by BMP’s, and miles of roadway treated with BMP’s.
• Lists have been developed, are being maintained, and are available upon request.</td></tr>
<tr><td>No later than 36-months after the effective date of this state permit, the permittee shall develop and implement written protocols for permittee maintained road, street, and parking lot maintenance designed to minimize pollutant discharge. The permittee shall include a copy of the written protocols…with the next annual report that is due after development of the protocols.
• See Appendix 7 for a copy of SOP 630 – Storm Water Pollution Prevention Protocol for the Maintenance of Roads, Streets and Parking Lots.</td></tr>
<tr><td rowspan="2">Part I.B.2.d (Pesticide, Herbicide, and Fertilizer Application)</td><td>Updated list of all permittee lands and applicable acreage on which nutrients are applied to more than one contiguous acre:
• See table below.</td></tr>
<tr><td>Each annual report shall report on compliance with the turf and landscape nutrient management plan implementation schedule and include a list of the permittee’s properties for which turf and landscape nutrient management plans have been implemented during the reporting year and the cumulative total of acreage under turf and landscape management plans.
• Due October 1, 2020 – Not less than 75% of all identified acres will be covered by turf and landscape management plans.
➢ As of March 1, 2019, the second and final phase of Nutrient Management Plan development and implementation was completed. This accounts for 100% of all identified acres required to be covered under Nutrient Management Plans.
<table>
<tr><th>Site</th><th>Irrigated / Non-irrigated</th><th>Sq Ft</th><th>Acres</th></tr>
<tr><td>Lake Taylor Soccer Field 1</td><td>Irrigated</td><td>74,339</td><td>1.70</td></tr>
<tr><td>Lake Taylor Soccer Field 2</td><td>Irrigated</td><td>72,601</td><td>1.67</td></tr>
</table>
</td></tr>
</table>

Permit Section	Specific Reporting Requirement and Result

Lake Taylor Soccer Field 3	Irrigated	68,158	1.56
Lake Taylor Soccer Field 5	Irrigated	65,221	1.50
Lake Taylor Soccer Field 6	Irrigated	34,597	0.79
Lake Taylor Soccer Field 7	Irrigated	60,607	1.39
Lake Taylor Soccer Field 9	Irrigated	77,154	1.77
Lake Taylor Soccer Field 10	Irrigated	76,247	1.75
Lake Taylor Soccer Field 11	Irrigated	70,354	1.62
Lake Taylor Soccer Field 12	Irrigated	61,526	1.41
Lake Taylor Soccer Field 13	Irrigated	35,089	0.81
Lake Taylor Soccer Field 14	Irrigated	71,932	1.65
Lake Taylor Soccer Field 15	Irrigated	70,291	1.61
Norview Baseball Field	Irrigated	124,154	2.9
Norview Softball Field	Irrigated	95,729	2.2
Norview Stadium	Irrigated	92,631	2.1
Booker T. Washington Stadium	Irrigated	103,390	2.4
Blair Middle School Soccer Field	Irrigated	70,818	1.6
Ghent Elementary School Soccer Field	Irrigated	107,415	2.5
Northside Softball Field 1	Irrigated	90,852	2.1
Northside Softball Field 2	Irrigated	91,004	2.1
Northside Softball Field 3	Irrigated	91,416	2.1
Barraud Park RBI Field	Irrigated	97,463	2.2
Town Point Park Field 1	Irrigated	55,123	1.3
Town Point Park Field 2	Irrigated	42,525	1.0
Town Point Park Field 3	Irrigated	57,634	1.3
Town Point Park Field 4	Irrigated	24,162	0.6
Total:		1,982,432	45.6

Each annual report shall include the number of acres managed under Integrated Pest Management Plans.

- The Norfolk Department of Public Health manages and tracks the permittee lands managed under Integrated Pest Management (IPM) Plans. The City utilizes IPM to manage the mosquito and rodent populations City-wide, for a total of 66 square miles, or 42,240 acres.

Part I.B.2.e (Illicit Discharges and Improper Disposal)

Each annual report shall include a list of illicit discharges identified, the source, a description of follow-up activities and whether the illicit discharge has been eliminated.

- See Appendix 3 for copies of all illicit discharge 5-day letters submitted to DEQ during FY2022, as well as a list of sanitary sewer overflows reported to SSORS by Public Utilities and HRSD.

Each annual report shall include the amount of linear feet of sanitary sewer (a minimum of 724,000 linear feet annually) inspected during the reporting year. The City inspected 416,566 linear feet of sanitary sewer during FY2022.

- The City is required to inspect a minimum of 724,000 linear feet of sanitary sewer during the reporting year. The City inspected 416,566 linear feet during FY2022. Upon further review, it was found that the City of Norfolk's Utilities Combined Operations has continued to be impacted by COVID-19, as they had many situations where multiple personnel were out for various lengths of time due to COVID-19 related issues. The nationwide staffing shortage also continues to impact the organization Citywide, affecting the hiring/retainment of staff, and leading to an unusually high number of vacancies. These events occurring at the same time led to continued periods of time when operations moved to addressing emergencies only. In addition, supply chain problems, shipping issues

Permit Section	Specific Reporting Requirement and Result
	nationwide, and staffing issues at the City Garage have lengthened the amount of time before vehicles and equipment can be repaired and able to be utilized
	Each annual report after program development shall include a list of sites surveyed for floatables, a summary of observations at each site, and a determination as to the effectiveness of the floatables program. • This criterion is accomplished through our participation in the International Coastal Cleanup, which is conducted by registration through Virginia Clean Waterways. The International Coastal Cleanup takes place September 1st through October 31st encouraging the removal of trash from our beaches and waterways around the world. This cleanup is fueled by volunteer organizations and individuals in an effort to change behavior toward cleaner, healthier waterways. Trash was collected and recorded from various sites across Norfolk. Keep Norfolk Beautiful maintains the ICC data sets on the City's Open Data Portal. Listing the yearly results on this platform allows the public as well as City staff to access and evaluate this data. See Appendix 4 for a detailed list of sites surveyed and items collected during Norfolk's FY2022 International Coastal Cleanup. • Each year, the Community Appearance Survey, conducted by Keep Norfolk Beautiful and volunteers, measures litter to target ways to keep our city clean. During previous years, a team of volunteers conducted windshield tours of the city to assess the level of litter. It took a day and a half to drive 12 routes in each of the city's five wards, for a total of 60. Each of the routes varied in length from half a mile to a mile. Keep Norfolk Beautiful used the same routes for eleven years to create a baseline and standard for measuring litter in our city. Driving the same routes ensured consistency in measurements as well as coverage of a broad distribution of sites within the city. For FY2022, Keep Norfolk Beautiful received a $50,000 grant from Litterati, a global litter science company. The grant provides funding for four quarterly scans throughout Norfolk, with the first scan in March 2022. Three hundred points in the City were scanned by trained researchers, and the raw data and photographs were used to assign each of the City's 5 wards a rating. FY2022 ratings were as follows: Ward 1: 1.5, Ward 2: 2.0, Ward 3: 2.5, Ward 4: 2.5; Ward 5: 1.5, City Average: 2.0 Since this pilot program is fully funded by a grant, its continuation is based on the availability of additional funding and grants in the future. Otherwise, the Community Appearance Survey will be reinstated upon completion of the Litterati pilot program. See Appendix 4 for a detailed summary of the data from the last eleven years, a copy of the Training Script for volunteers, as well as the press release for the Litterati City Fingerprint Project. • FY2022 saw the continuation of the "Love Our City" campaign. Graphics were developed and the mediums used included sidewalk decals, bus side panel posters, billboards, yard signs, banners, and special media posts. The "Green Bucket Brigade" was also continued and is geared to residents picking up trash where they live, work, and play. See Appendix 4 for examples of the graphics used and associated data files for both campaigns.
	The permittee shall ensure the implementation of programs to collect used motor vehicle fluids (such as oil and antifreeze) and HHW waste materials for recycling, reuse, or proper disposal. Such programs shall be readily available to all private residents and shall be publicized and promoted on a regular basis not less than twice per year. • Keep Norfolk Beautiful hosts two recycling and household hazardous waste collection drives every fall and spring for Norfolk citizens to easily and safely recycle waste materials at no charge. These events are an open to the public, electronics, recycling, and household hazardous waste (HHW) events. This year, the events were held at the Southside STEM

Permit Section	Specific Reporting Requirement and Result
	Academy. In partnership with Waste Management, SPSA, Goodwill, and Iron Mountain, the events offered Norfolk residents a one-stop location to drop unwanted items such as acceptable recyclable items. • Data: o Fall 2021 – Special Waste Collection Event ▪ 180 Participants ▪ 4 partners involved (City of Norfolk Waste Management, SPSA, Goodwill, and Iron Mountain) o Spring 2022 – Special Waste Collection Event ▪ 167 Participants ▪ 4 partners involved (City of Norfolk Waste Management, SPSA, Goodwill, and Iron Mountain) • See Appendix 4 for event flyers and detailed lists of items collected during FY2022. • In addition, SPSA's Norfolk transfer station is open for HHW collections every Tuesday and Saturday from 12pm-4pm.
Part I.B.2.f (Spill Prevention and Response)	Each annual report shall include a list of spills, that qualify for immediate reporting as required…of this state permit, the source (identified to the best of the permittee's ability), and a description of follow-up activities taken. • See Appendix 3 for copies of all illicit discharge 5-day letters submitted to DEQ during FY2022, as well as a list of sanitary sewer overflows reported to SSORS by Public Utilities and HRSD.
Part I.B.2.g (Industrial & High-Risk Runoff)	Each annual report shall report on implementation of the inspection schedule and include a list of the facilities and/or facility outfalls inspected during the reporting period. • See Appendix 5 for High-Risk and Industrial Outfall Inspection Program SOP and a list of facility outfalls inspected during FY2022.
	Each annual report shall include a list of referrals to the Department, including: The permittee shall maintain a list of any industrial and/or commercial stormwater dischargers not regulated under the Virginia State Water Control Law that it determines may be contributing a significant pollutant loading to the MS4, report those facilities to the Department, and include the facilities outfall in the prioritized inspection schedule. • NA – None in FY2022 The permittee shall refer facilities and operations having non-stormwater discharges that do not have coverage under an existing VPDES permit. • NA – None in FY2022 The permittee shall refer facilities and operations identified…with manufacturing, processing, or raw material storage outside that do not have coverage under an existing VPDES industrial stormwater permit. • NA – None in FY2022 The permittee shall refer any VPDES industrial stormwater permit facility where there is evidence of significant pollutant loadings to the MS4. • NA – None in FY2022 The permittee shall refer facilities that do not submit signed copies of DMR's to the permittee as required under a VPDES industrial stormwater permit. • NA – Reissuance of the VPDES Industrial Stormwater General Permit July 1, 2019 no longer requires the submission of DMR's to the MS4 permit holder.

Permit Section	Specific Reporting Requirement and Result
Part I.B.2.h (Stormwater Infrastructure Management)	Each annual report shall include a summary of activities performed in support of the inspections and maintenance program….The summary shall include the total number of drainage structures operated by the permittee; the total length of open conveyance that is part of the permittee's MS4; the total number of the drainage structures inspected (at least 4,060) and the total length of open conveyances inspected (at least 35,460). • Total # Drainage Structures – 35,627 Total Length of Open Conveyance – 353,213 linear feet Total # Drainage Structures Inspected (at least 4,060) – 9,225 Total Length of Open Conveyances Inspected (at least 35,460 linear ft) – 190,844 linear ft.
	Each annual report shall provide a summary of actions taken by the permittee to address failure of privately maintained SWM facilities owners to abide by maintenance agreements. • See Appendix 6 for Storm Water Best Management Practice Inspections SOP. Also see section 2.8 in the City's MS4 Program Plan.
	Each annual report shall include a list of activities including inspections performed and notifications of needed maintenance and repair of stormwater facilities not operated by the permittee as required…. • See Appendix 6 for Storm Water Best Management Practice Inspections SOP and a comprehensive list of private and public SWMF inspections and reinspections conducted during FY2022. Also see section 2.8 in the City's MS4 Program Plan.
Part I.B.2.i (City Facilities)	The permittee shall develop and/or update and implement individual SWPPP's for each high-priority municipal facility…no later than 36-months after the effective date of this state permit. • See Appendix 7 for the High Priority Municipal Yard Study. Below is a listing of all City of Norfolk facilities that have SWPPP's, and the implementation date: o Public Works Operations – November 2008 o Waste Management – August 2010 o Recreation, Parks, & Open Space – February 2016 o Moores Bridges WTP – June 2017 o 37th Street WTP – June 2017 o Public Utilities Combined Operations – June 2017 o Facilities – June 2017 o Fleet – June 2017 o School Fleet – June 2017
	No later than the expiration date of this state permit, the permittee shall install and maintain markings on all stormwater inlets located on high-priority municipal facilities…and on permittee properties with greater than 2-acres of impervious area. • See Appendix 7 for a summary of the City's Storm Drain Medallion Marking Project.
Part I.B.2.j (Public Education & Participation)	Each annual report shall include a list of permittee public outreach and education activities and the estimated number of individuals reached through the activities. An evaluation of program effectiveness, as outlined in the MS4 Program Plan with recommendations for future changes shall also be included. • See Appendix 8 for a list of public outreach and education activities conducted by the Division of Environmental Storm Water Management during FY2022, the askHRGreen.org Annual Report which summarizes activities conducted at a regional level, and the FY2022 summary of the askHRGreen.org Environmental Education Mini-Grants awarded to Norfolk Public Schools. Also see Section 2.10 in the City's MS4 Program Plan. • The City has a program that requires all residents applying for a business license for a mobile car wash to sign an application with the Division of Environmental Storm Water management. The application provides explanation of the City's code and offers options to not discharging wash water into the City's storm water system. Eight business owners

Permit Section	Specific Reporting Requirement and Result
	signed the application in FY2022. See Appendix 8 for a copy of the application and handout from the Department of City Planning outlining the requirements before issuance of a business license.
	Each annual report shall provide a summary of voluntary retrofits completed on private property used to demonstrate pollutant reduction requirements. Note that any voluntary project for which the permittee seeks to use for pollutant reduction requirements must be tracked and reported. • During FY2022, the City's Bay Star Home program gave away 20 rain barrels to residents, with detailed maintenance agreements signed by each recipient. The City also partners with the Elizabeth River Project (ERP) on River Star Homes. During FY22, ERP installed 3 conservation landscaping areas treating 2,980 ft^2, 20 rain barrels treating 5,486 ft^2, 5 living shorelines totaling 7,620 ft^2 and 742 linear feet, 3 riparian buffer plantings totaling 7,335 ft^2, 1 retention pond conservation landscape treating 19,300 ft^2, and 80 trees outside of other project areas. The City continues to implement an enhanced "Scoop the Poop" campaign, which focuses on resident's cleaning their own backyards. BMP sign initiatives were also continued, including educational information regarding mowing around BMP's and not feeding the wildlife. The City also created two car wash kits, which are available to be signed out for residents conducting car wash fundraisers. The kits include equipment to prevent the discharge of car wash waste water from entering the storm water system. In addition, the City has a Fee Reduction Program (https://www.norfolk.gov/DocumentCenter/View/28851). See Appendix 8 for a list of voluntary retrofits that were approved and installed for a fee reduction. For additional information, see Section 2.10 in the City's MS4 Program Plan.
	Each annual report shall provide a summary of voluntary stormwater management techniques encouraged on private property. • See Appendix 8 for a copy of the City's Fee Reduction Program (https://www.norfolk.gov/DocumentCenter/View/28851). Also see Section 2.8 of the City's MS4 Program Plan.
	The permittee shall post a copy of this state permit on its web page no later than 30-days after the effective date of this permit and continue to retain a copy of the permit online for the duration of this permit. • https://www.norfolk.gov/DocumentCenter/View/2994
	The permittee shall post copies of each annual report on its website no later than 30-days after the report submittal to the Department and continue to retain copies of annual reports online for the duration of this permit. • The FY2021 Annual Report was posted September 28, 2021. All Annual Reports can be found at https://www.norfolk.gov/index.aspx?NID=1689. The FY2022 Annual Report will be posted on the City webpage upon submittal to the Department.
	The permittee shall post the most current MS4 Program Plan on its website no later than 30 days after approval of the MS4 Program Plan and maintain a current copy on the website. If the MS4 Program Plan is modified or revised, the updated plan shall be posted within 30 days of the revision. • https://www.norfolk.gov/DocumentCenter/View/70578

Part I.B.2.k (Training)

Each annual report shall include a list of training events, the date and the estimated number of individuals attending each event. (The permittee shall provide biennial training to appropriate field personnel in the recognition and reporting of illicit discharges; in good housekeeping and P2 practices that are to be employed during road, street, and parking lot maintenance, in and around permittee maintenance and public works facilities, and recreation facilities.)

Date	Dept/Div Reached	# Attending	Topics
April 2022	Public Works – Streets & Bridges	57	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
May 2022	Public Works – Storm Water	56	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
May 2022	Recreation, Parks, & Open Spaces	70 (approx.)	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
May 2022	School Fleet	14	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
May 2022	Moores Bridges Water Treatment Plant	23	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
April 2022	Kristen M. Lentz Water Treatment Plant	11	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
June 2022	Norfolk Public Schools – Janitorial Staff	67	Spill response, good housekeeping, pollution prevention
April 2022	Division of Waste Management	83	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
April 2022	Fleet	27	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
April & May 2022	Facilities	26	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
April 2022	Public Utilities – Combined Utilities	90	SWPPP, IDDE, spill response, good housekeeping, pollution prevention

	The annual report due October 1, 2017 shall include documentation of employee emergency spill response training and/or certification. • HazMat Operations/OSHA Level II 8-hour training was conducted September 27, 2021 and reached a total of 62 staff. See Appendix 9 for roster.
	The permittee shall ensure that employees, and require that contractors, who apply pesticides and herbicides are properly trained or certified per the Virginia Pesticide Control Act. • See Section 2.11 in the City's MS4 Program Plan.
	The permittee shall have a program to ensure that City plan reviewers, inspectors, program administrators and construction site operators employed or contracted by the permittee (e.g. RLD) are trained and obtain the appropriate certifications to the extent required under the Virginia Erosion and Sediment Control Law and attendant regulations. • See Section 2.11 in the City's MS4 Program Plan.
	The permittee shall have a program to ensure that the applicable City employees obtain the appropriate certifications as required under the Virginia Stormwater Management Act and its attendant regulations to implement the modified stormwater management design criteria. • See Section 2.11 in the City's MS4 Program Plan.
Part I.B.2.l (Dry Weather Screening Program)	Each annual report shall include the total number of outfalls included as part of the permittee's MS4, the number of stations screened during the reporting period (minimum of 50), a list of locations upon which dry weather screening was conducted, the results and any follow-up actions including a summary of each investigation conducted by the operator of any suspected illicit discharge. The summary shall include: (i) the date that the suspected discharge was observed; (ii) how the investigation was resolved, including any follow-up, and (iii) resolution of the investigation and the date the investigations was closed. • See Appendix 10 for list.
Part I.B.2.m (Infrastructure Coordination)	The permittee shall coordinate with the Virginia Department of Transportation (VDOT) regarding issues of MS4 physical-interconnectivity. As part of its Annual Report, the permittee shall document coordination efforts with VDOT that occurred during the reporting year regarding: mapping, Chesapeake Bay TMDL Action Plans, other TMDL Action Plans, credit for TMDL implementation, IDDE, and water quality monitoring. • A Regional VDOT MS4 Coordination Meeting was held May 5, 2022. See Appendix 11 for detailed copies of the meeting minutes and agenda.
Part I.C.1 (In-System/Wet Weather Monitoring)	Each annual report shall include a summary of the monitoring results and analyses and an interpretation of that data. • See Appendix 12 for a copy of the Annual Report for the Regional In-system Wet Weather Stormwater Monitoring Program.
Part I.C.2 (Street Sweeping Program Monitoring)	No later than twelve (12) months after permit effective date, the permittee shall submit to the Department the list of sites to be monitored, the methodology and the monitoring protocols. The monitoring protocols shall be incorporated into the MS4 Program Plan. • Street Sweeping Monitoring Plan submitted to DEQ June 28, 2017.
	Each subsequent annual report shall include a summary of the monitoring results and analyses and an interpretation of that data with respect to long-term patterns/trends. • See Appendix 13 for the Norfolk Street Sweeping Monitoring Study – Final Report.
	Final results and analyses shall be submitted with the permit application for the reissuance of this state permit due 180 days prior to the permit's expiration date. • The Norfolk Street Sweeping Monitoring Study – Final Report was submitted to DEQ with the City's permit reapplication package on December 29, 2020.
Part I.C.3 (Structural and Source Controls Compliance	The permittee shall maintain an updated electronic database of all known permittee and privately maintained stormwater management (SWM) facilities. Each annual report shall include a copy of the updated database in electronic format of all SWM facilities brought online during each reporting year.

Monitoring and Tracking)	• All information for known permittee and privately maintained SWM facilities is kept on the City's asset management system. See Appendix 6 for a list of all SWM facilities brought online during each reporting year, up to and through FY2022, as well as a comprehensive list of all known active SWM facilities in the City.
	Each annual report shall include a summary of actions taken by the permittee to ensure maintenance of private stormwater management facilities. • See Appendix 6 for Storm Water Best Management Practice Inspections SOP and a comprehensive list of private and public SWMF inspections and reinspections conducted during FY2022. Also see section 2.8 in the City's MS4 Program Plan.
	Each annual report shall include a summary of the program to ensure maintenance of stormwater management facilities maintained by the permittee. • See Appendix 6 for Storm Water Best Management Practice Inspections SOP and a comprehensive list of private and public SWMF inspections and reinspections conducted during FY2022. Also see section 2.8 in the City's MS4 Program Plan.
Part I.D.1.b) & d) (Chesapeake Bay Watershed TMDL Planning & Annual Reporting Requirements)	No later than 24- months after the effective date of this state permit, the permittee shall develop and submit to the Department for its review and approval a phased Chesapeake Bay TMDL Action Plan. • Submitted June 29, 2018.
	Each subsequent annual report shall include a list of control measures implemented during the reporting period and the cumulative progress toward meeting the compliance targets for TN, TP, and TSS. • See Appendix 14.
	Each subsequent annual report shall include a list of control measures that were implemented during the reporting cycle and the estimated reduction achieved by the control. For stormwater management controls, the report shall include…whether an existing stormwater management control was retrofitted, and if so, the existing stormwater management control type retrofit used. • See Appendix 14.
	Each annual report shall include a list of control measures that are expected to be implemented during the next reporting period and the expected progress toward meeting the compliance targets for TN, TP, and TSS. • See Appendix 14.
	The permittee shall include the following as part of its reapplication package: (a) documentation that sufficient control measures have been implemented (or documentation detailing that implementation will be complete by the expiration date of this state permit) to meet the compliance target identified in this Special Condition, and (b) a draft second phase Chesapeake Bay TMDL Action Plan. • This information was submitted to DEQ with the City's permit reapplication package on December 29, 2020.
Part I.D.2 (TMDL Action Plans other than the Chesapeake Bay TMDL)	No later than 24 months after the effective date of this state permit, the permittee shall submit to the Department TMDL Action Plans to address any new or modified requirements established under this Special Condition for pollutants identified in TMDL wasteload allocations approved prior to the effective date of this permit. • Elizabeth River TMDL Action Plan was submitted June 29, 2018. Per DEQ's request, the Action Plan was revised and resubmitted July 24, 2018.
	The permittee shall submit the required TMDL Action Plans to the Department for review and acceptance with the appropriate annual report associated schedule identified in this permit. • Elizabeth River TMDL Action Plan was submitted June 29, 2018. Per DEQ's request, the Action Plan was revised and resubmitted July 24, 2018.
	The permittee shall report on the implementation of the TMDL Action Plans and associated evaluation including the results of any monitoring conducted as part of the evaluation.

	• See Appendix 15.
	The permittee shall identify the best management practices and other steps that will be implemented during the next permit term as part of the permittee's reapplication for coverage as required. The permittee shall also evaluate and modify the estimated end date for achieving the applicable wasteload based on information acquired during the permit cycle. • This information was submitted to DEQ with the City's permit reapplication package on December 29, 2020.

Capital Improvement Plan

CIP Five - Year Plan Summary

FY 2023 - FY 2027 Capital Improvement Plan									
			Originally Planned	Adopted	Planned				
Project Title	Fund	Pg	FY 2023	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Education									
Acquire School Buses	CP	809	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Address School Major Maintenance	CP	810	9,000,000	18,692,185	9,000,000	9,000,000	9,000,000	3,000,000	48,692,185
Construct Maury High School	CP	811	-	10,000,000	-	140,000,000	-	-	150,000,000
Construct Norview Elementary School	CP	812	-	-	-	-	37,500,000	-	37,500,000
Renovate Booker T. Washington High School	CP	813	-	40,000,000	-	-	-	-	40,000,000
Subtotal Education			**10,000,000**	**69,692,185**	**10,000,000**	**150,000,000**	**47,500,000**	**4,000,000**	**281,192,185**
Transportation									
Enhance Signals and Intersections	CP	817	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Implement Complete Streets Initiative	CP	818	750,000	750,000	750,000	750,000	750,000	750,000	3,750,000
Improve Street Infrastructure Citywide	CP	819	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	4,500,000	22,500,000
Install ADA Ramps Citywide	CP	820	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Install Traffic Signals at Hampton Boulevard and Jamestown Crescent	CP	821	-	930,000	-	-	-	-	930,000
Rehabilitate Berkley Avenue Bridge	CP	822	-	-	-	6,600,000	-	-	6,600,000
Rehabilitate Shore Drive Bridge over Little Creek	CP	823	1,000,000	1,500,000	-	-	-	-	1,500,000
Repair, Replace, and Maintain Bridges	CP	824	1,000,000	3,000,000	3,400,000	2,500,000	1,800,000	1,400,000	12,100,000
Subtotal Transportation			**8,750,000**	**12,180,000**	**10,150,000**	**15,850,000**	**8,550,000**	**8,150,000**	**54,880,000**
Economic Development									
Improve Former Greenies Site	CP	827	-	1,500,000	-	-	-	-	1,500,000
Renovate Selden Market	CP	828	-	1,500,000	-	-	-	-	1,500,000

FY 2023 - FY 2027 Capital Improvement Plan

Project Title	Fund	Pg	Originally Planned FY 2023	Adopted FY 2023	Planned FY 2024	FY 2025	FY 2026	FY 2027	Total
Support CHKD Pediatric Mental Health Hospital	CP	829	-	3,000,000	-	-	-	-	3,000,000
Subtotal Economic Development			**-**	**6,000,000**	**-**	**-**	**-**	**-**	**6,000,000**
Cultural Facilities									
Fund Chrysler Museum Capital Campaign	CP	833	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
Improve Cemeteries Infrastructure	CP	834	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Improve Cultural Facilities	CP	835	500,000	500,000	1,000,000	1,000,000	1,000,000	1,000,000	4,500,000
Improve Harbor Park	CP	836	-	1,700,000	1,700,000	1,600,000	-	-	5,000,000
Improve the Nauticus Facility	CP	837	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Maintain Scope/Chrysler Hall Complex	CP	838	-	2,000,000	1,200,000	1,200,000	1,200,000	1,200,000	6,800,000
Maintain USS Wisconsin BB-64	CP	839	850,000	960,000	670,000	600,000	850,000	600,000	3,680,000
Support Citywide Public Art	CP	840	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Support Repair of Scope Arena	CP	841	-	1,250,000	-	-	-	-	1,250,000
Subtotal Cultural Facilities			**4,350,000**	**9,410,000**	**7,570,000**	**7,400,000**	**6,050,000**	**5,800,000**	**36,230,000**
Neighborhood Development									
Acquire Hunton YMCA	CP	845	-	2,000,000	-	-	-	-	2,000,000
Acquisition and Demolition of Blighted Properties in Willoughby	CP	846	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Construct the Blue/Greenway in St. Paul's Area	SW	847	6,000,000	6,000,000	-	-	-	-	6,000,000
Convert Street Lights to LED	CP	848	125,000	5,000,000	-	-	-	-	5,000,000

FY 2023 - FY 2027 Capital Improvement Plan

Project Title	Fund	Pg	Originally Planned FY 2023	Adopted FY 2023	Planned FY 2024	Planned FY 2025	Planned FY 2026	Planned FY 2027	Total
Demolish Crown Point Pedestrian Bridge	CP	849	-	150,000	-	-	-	-	150,000
Demolish Springfield Ave Bridge	CP	850	-	350,000	-	-	-	-	350,000
Improve 23rd Street Streetscapes	CP	851	-	3,000,000	-	-	-	-	3,000,000
Improve Citywide Dredging and Waterways	CP	852	150,000	150,000	150,000	150,000	150,000	150,000	750,000
Improve East Ocean View Drainage	SW	853	2,700,000	2,700,000	3,100,000	2,000,000	2,000,000	-	9,800,000
Improve Glenrock Drainage	SW	854	1,600,000	1,600,000	1,900,000	2,300,000	2,000,000	-	7,800,000
Improve Glenwood Park Drainage	SW	855	1,600,000	1,600,000	1,500,000	-	-	-	3,100,000
Improve Hollywood/Maple Hall Drainage	SW	856	-	-	-	-	-	2,500,000	2,500,000
Improve Neighborhood Streets	CP	857	550,000	550,000	550,000	550,000	550,000	550,000	2,750,000
Improve Newport Avenue (Talbot Hall) Drainage	SW	858	400,000	400,000	-	-	-	-	400,000
Improve Overbrook/Coleman Place Drainage	SW	859	2,000,000	2,000,000	2,000,000	2,200,000	2,000,000	-	8,200,000
Improve Park Place Drainage	SW	860	-	-	2,000,000	1,950,000	2,000,000	2,050,000	8,000,000
Improve the Art District Streetscapes	CP	861	2,500,000	-	4,850,000	-	-	-	4,850,000
Improve Wastewater Infrastructure in St. Paul's Area	SF	862	2,000,000	1,900,000	500,000	-	-	-	2,400,000
Improve Water Infrastructure in St. Paul's Area	WF	863	-	300,000	300,000	300,000	300,000	300,000	1,500,000
Invest in Housing Rehabilitation	CP	864	-	200,000	-	-	-	-	200,000

FY 2023 - FY 2027 Capital Improvement Plan

Project Title	Fund	Pg	Originally Planned FY 2023	Adopted FY 2023	Planned FY 2024	Planned FY 2025	Planned FY 2026	Planned FY 2027	Total
Provide Gap Financing for Affordable Housing Initiatives	CP	865	-	1,000,000	-	-	-	-	1,000,000
Rehabilitate Tidewater Drive Pump Station	SW	866	-	-	600,000	600,000	-	-	1,200,000
Replace Bute Street Bulkhead	CP	867	-	750,000	-	-	-	-	750,000
Revitalize St. Paul's Community	CP	868	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	3,000,000	15,000,000
Strengthening Neighborhoods through Affordable Housing Initiatives	CP	869	1,750,000	-	-	-	1,750,000	1,750,000	3,500,000
Support Blue/Greenway Amenities in St. Paul's Area	CP	870	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	-	4,000,000
Support Hunton YMCA Capital Campaign	CP	871	-	4,000,000	-	-	-	-	4,000,000
Upgrade the Monticello Avenue Pump Station	SW	872	600,000	600,000	-	-	-	-	600,000
Subtotal Neighborhood Development			**26,175,000**	**38,450,000**	**21,650,000**	**14,250,000**	**14,950,000**	**10,500,000**	**99,800,000**
Public Buildings									
Implement Fire-Rescue Facility Plan	CP	875	-	-	-	-	6,500,000	6,500,000	13,000,000
Improve and Maintain the Zoo	CP	876	-	3,000,000	-	-	-	-	3,000,000
Maintain Fire Stations	CP	877	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Maintain Municipal Facilities	CP	878	4,000,000	8,640,000	5,500,000	5,500,000	5,500,000	5,500,000	30,640,000
Maintain Parking Facilities	PF	879	2,500,000	-	4,500,000	3,900,000	3,900,000	3,900,000	16,200,000
Renovate City Jail 8th Floor for Medical Services	CP	880	-	500,000	-	-	-	-	500,000
Support Jail Improvements	CP	881	300,000	3,250,000	300,000	300,000	300,000	300,000	4,450,000
Support Virginia Zoo Capital Campaign	CP	882	-	500,000	500,000	500,000	500,000	-	2,000,000

FY 2023 - FY 2027 Capital Improvement Plan

Project Title	Fund	Pg	Originally Planned FY 2023	Adopted FY 2023	Planned FY 2024	Planned FY 2025	Planned FY 2026	Planned FY 2027	Total
Upgrade Security at City Facilities	CP	883	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Subtotal Public Buildings			**7,800,000**	**16,890,000**	**11,800,000**	**11,200,000**	**17,700,000**	**17,200,000**	**74,790,000**
Parks & Recreation Facilities									
Construct a Combination Recreation and Library Facility at NFWC	CP	887	-	-	-	50,000,000	-	-	50,000,000
Construct Public Boat Ramp on Pretty Lake	CP	888	-	3,000,000	-	-	-	-	3,000,000
Construct Wooden Fishing Pier at Granby Street Bridge	CP	889	-	1,285,000	-	-	-	-	1,285,000
Implement Ocean View Beach Access Routes	CP	890	-	-	400,000	400,000	-	-	800,000
Implement Parks and Recreation Master Plan	CP	891	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Improve Community and Neighborhood Parks	CP	892	250,000	750,000	750,000	250,000	250,000	250,000	2,250,000
Improve Existing Community Centers	CP	893	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Improve Huntersville Park Site	CP	894	-	700,000	-	-	-	-	700,000
Support Outdoor Athletic Field Lighting	CP	895	-	2,000,000	-	-	-	-	2,000,000
Transform Barraud Park	CP	896	-	4,500,000	-	-	-	-	4,500,000
Transform Northside Park	CP	897	-	5,000,000	-	-	-	-	5,000,000
Subtotal Parks & Recreation Facilities			**950,000**	**17,935,000**	**1,850,000**	**51,350,000**	**950,000**	**950,000**	**73,035,000**
Environmental Sustainability									
Conduct Drainage Studies Citywide	SW	901	500,000	500,000	-	-	-	-	500,000
Conduct Outfall Maintenance and Dredging	SW	902	450,000	450,000	950,000	1,000,000	-	-	2,400,000

FY 2023 - FY 2027 Capital Improvement Plan

Project Title	Fund	Pg	Originally Planned FY 2023	Adopted FY 2023	Planned FY 2024	FY 2025	FY 2026	FY 2027	Total
Conduct Sliplining and Major Repairs to Existing Infrastructure	SW	903	1,200,000	1,200,000	1,200,000	1,000,000	-	-	3,400,000
Create Citywide Flooding Reserve	SW	904	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	6,576,000
Implement Norfolk Green Fund	CP	905	-	300,000	100,000	100,000	100,000	100,000	700,000
Implement Pond Retrofits Citywide	SW	906	1,700,000	1,700,000	1,550,000	500,000	1,000,000	1,000,000	5,750,000
Implement Shoreline Restoration	SW	907	550,000	550,000	700,000	1,750,000	1,250,000	1,250,000	5,500,000
Implement the Green Infrastructure Plan	SW	908	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Improve Selby Place Outfall Extension	SW	909	500,000	500,000	-	-	-	-	500,000
Improve Storm Water Waterfront Facilities	SW	910	-	-	500,000	500,000	500,000	500,000	2,000,000
Subtotal Environmental Sustainability			**6,315,200**	**6,615,200**	**6,415,200**	**6,265,200**	**4,265,200**	**4,265,200**	**27,826,000**
Parking									
Construct East Bute Street Garage	PF	913	-	15,000,000	-	-	-	-	15,000,000
Provide Fountain Park Garage Structural Rehabilitation	PF	914	-	2,200,000	350,000	-	-	-	2,550,000
Provide MacArthur Center Concrete Repairs and Waterproofing	PF	915	-	1,000,000	-	-	-	-	1,000,000
Provide MacArthur Center Elevator Modernization	PF	916	-	2,400,000	-	-	-	-	2,400,000
Provide Scope Garage Structural Rehabilitation and Drainage Mitigation	PF	917	-	2,200,000	350,000	-	-	-	2,550,000
Subtotal Parking			**-**	**22,800,000**	**700,000**	**-**	**-**	**-**	**23,500,000**

FY 2023 - FY 2027 Capital Improvement Plan

Project Title	Fund	Pg	Originally Planned FY 2023	Adopted FY 2023	Planned FY 2024	Planned FY 2025	Planned FY 2026	Planned FY 2027	Total
Storm Water									
Construct a Downtown Flood Wall	CP	921	-	35,000,000	35,000,000	-	-	-	70,000,000
Improve Chesapeake Boulevard Drainage	SW	922	-	-	-	-	-	2,500,000	2,500,000
Improve East Princess Anne Road Drainage	SW	923	-	-	-	-	-	2,500,000	2,500,000
Improve Storm Water Infrastructure in the Neon District	SW	924	-	1,800,000	-	-	-	-	1,800,000
Rehabilitation of the Tidewater Drive Drainage Trunk Line	SW	925	-	-	-	-	-	2,000,000	2,000,000
Subtotal Storm Water			**-**	**36,800,000**	**35,000,000**	**-**	**-**	**7,000,000**	**78,800,000**
Wastewater									
Improve Larchmont Wastewater Infrastructure	SF	929	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	1,500,000	7,500,000
Improve Wastewater Collection System	SF	930	13,500,000	13,600,000	16,000,000	17,100,000	17,100,000	17,100,000	80,900,000
Subtotal Wastewater			**15,000,000**	**15,100,000**	**17,500,000**	**18,600,000**	**18,600,000**	**18,600,000**	**88,400,000**
Water									
Replace Lake Smith Culvert	WF	933	-	600,000	-	-	-	-	600,000
Replace Raw and Finished Water Transmission / Distribution	WF	934	16,100,000	16,600,000	16,600,000	16,600,000	16,600,000	16,600,000	83,000,000
Support Watershed Management	WF	935	4,150,000	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000	13,500,000
Upgrade Billing System	WF	936	2,000,000	2,000,000	-	-	-	-	2,000,000
Upgrade Water Treatment Plants	WF	937	13,500,000	13,400,000	13,400,000	13,400,000	13,400,000	13,400,000	67,000,000
Subtotal Water			**35,750,000**	**35,300,000**	**32,700,000**	**32,700,000**	**32,700,000**	**32,700,000**	**166,100,000**
General & Other									
Acquire Fleet Vehicles and Equipment	CP	941	4,000,000	5,525,000	4,000,000	4,000,000	4,000,000	4,000,000	21,525,000

FY 2023 - FY 2027 Capital Improvement Plan

Project Title	Fund	Pg	Originally Planned FY 2023	Adopted FY 2023	Planned FY 2024	Planned FY 2025	Planned FY 2026	Planned FY 2027	Total
Acquire Technology	CP	942	4,000,000	4,125,000	4,000,000	4,000,000	4,000,000	4,000,000	20,125,000
Construct Calvary Cemetery Mausoleum	CP	943	-	1,000,000	-	-	-	-	1,000,000
Improve Infrastructure and Acquire Property	CP	944	1,500,000	1,500,000	1,500,000	1,500,000	500,000	500,000	5,500,000
Support Major Demolitions	CP	945	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Subtotal General & Other			**10,000,000**	**12,650,000**	**10,000,000**	**10,000,000**	**9,000,000**	**9,000,000**	**50,650,000**
Total Capital Improvement Plan			**125,090,200**	**299,822,385**	**165,335,200**	**317,615,200**	**160,265,200**	**118,165,200**	**1,061,203,185**

Neighborhood Development

Improve Citywide Dredging and Waterways

Department
Public Works

Fund
General Capital

Account #
4000 10 3080

Property Address:
Citywide

Customers Served
Residents ☑ Business ☐ City Services ☐
Educational Community ☐ Tourists/Visitors ☑

Project Description
Provide funds for the dredging and improvement of waterways and adjacent shorelines, and to support the design and maintenance dredging of existing channels.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	150,000	150,000	150,000	150,000	150,000	750,000
FY 2022 Adopted	150,000	150,000	150,000	150,000	150,000	N/A	750,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	50,000	50,000	50,000	50,000	50,000	250,000
Construction/FFE	N/A	100,000	100,000	100,000	100,000	100,000	500,000
Total	N/A	150,000	150,000	150,000	150,000	150,000	750,000

Prior Capital Funding	5,560,000
FY 2023 Adopted	150,000
Capital Share Remaining	600,000
Project Total	6,310,000

Improve East Ocean View Drainage

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4308

Property Address:
East Ocean View

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to improve drainage in the East Ocean View area. The current system is rudimentary and undersized. The new system will add storm water infrastructure to manage a 10-year storm event.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	2,700,000	3,100,000	2,000,000	2,000,000	N/A	9,800,000
FY 2022 Adopted	2,000,000	2,700,000	3,100,000	2,000,000	0	N/A	9,800,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	270,000	310,000	200,000	200,000	0	980,000
Construction/FFE	N/A	2,430,000	2,790,000	1,800,000	1,800,000	0	8,820,000
Total	N/A	2,700,000	3,100,000	2,000,000	2,000,000	0	9,800,000

Prior Capital Funding	4,000,000
FY 2023 Adopted	2,700,000
Capital Share Remaining	7,100,000
Project Total	13,800,000

Improve Glenrock Drainage

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4309

Property Address:
Glenrock

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to improve drainage in the Glenrock area. This project will add storm water pipes and inlets to manage a 10-year storm event.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	1,600,000	1,900,000	2,300,000	2,000,000	N/A	7,800,000
FY 2022 Adopted	1,400,000	1,600,000	1,900,000	2,300,000	0	N/A	7,200,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	100,000	100,000	100,000	100,000	0	400,000
Construction/FFE	N/A	1,500,000	1,800,000	2,200,000	1,900,000	0	7,400,000
Total	N/A	1,600,000	1,900,000	2,300,000	2,000,000	0	7,800,000

Prior Capital Funding	2,400,000
FY 2023 Adopted	1,600,000
Capital Share Remaining	6,200,000
Project Total	10,200,000

Improve Glenwood Park Drainage

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4302

Property Address:
Glenwood Park

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to improve drainage in the Glenwood Park area. Funds will be used for neighborhood flood mitigation to address various drainage system improvements. Funding will allow for infrastructure improvements to better mitigate issues from precipitation and tidal flooding.

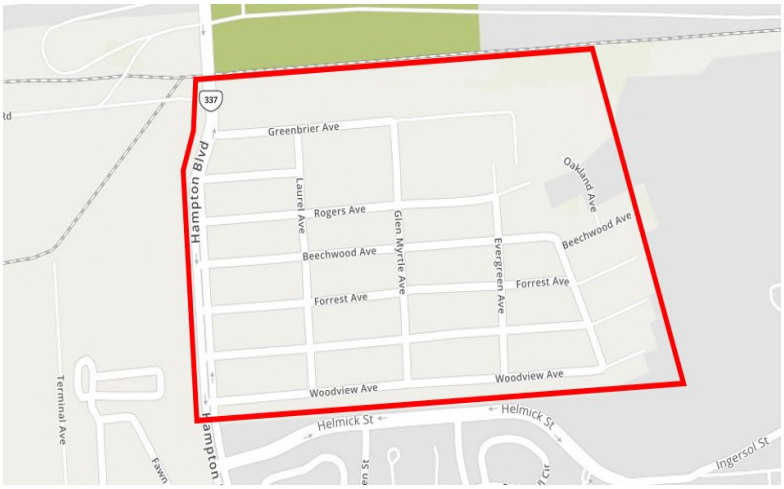
Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	1,600,000	1,500,000	N/A	N/A	N/A	3,100,000
FY 2022 Adopted	1,900,000	1,600,000	0	0	0	N/A	3,500,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	100,000	100,000	0	0	0	200,000
Construction/FFE	N/A	1,500,000	1,400,000	0	0	0	2,900,000
Total	N/A	1,600,000	1,500,000	0	0	0	3,100,000

Prior Capital Funding	2,400,000
FY 2023 Adopted	1,600,000
Capital Share Remaining	1,500,000
Project Total	5,500,000



Improve Hollywood/Maple Hall Drainage

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
N/A

Property Address:

Project Description
Provide funds to improve drainage in the Hollywood/Maple Hall area. Funding will allow for infrastructure improvements to better mitigate issues from precipitation flooding.

Customers Served

Residents ☑ Business ☐ City Services ☑
Educational Community ☐ Tourists/Visitors ☑

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	N/A	N/A	N/A	N/A	2,500,000	2,500,000
FY 2022 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	0	0	0	0	250,000	250,000
Construction/FFE	N/A	0	0	0	0	2,250,000	2,250,000
Total	N/A	0	0	0	0	2,500,000	2,500,000

Prior Capital Funding	0
FY 2023 Adopted	0
Capital Share Remaining	2,500,000
Project Total	2,500,000

Improve Neighborhood Streets

Department
Public Works

Fund
General Capital

Account #
4000 10 3031

Property Address:
Citywide

Customers Served
Residents ☑ Business ☐ City Services ☑
Educational Community ☐ Tourists/Visitors ☐

Project Description

Provide funds for the installation of new curbs, gutters, sidewalks, resurfacing, and drainage improvements in various neighborhood locations in accordance with prioritized needs and the city's Complete Streets Initiative. The Complete Streets Initiative promotes safe access for pedestrians, bicyclists, motorists, and transit users of all ages and abilities.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	550,000	550,000	550,000	550,000	550,000	2,750,000
FY 2022 Adopted	550,000	550,000	550,000	550,000	550,000	N/A	2,750,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	50,000	50,000	50,000	50,000	50,000	250,000
Construction/FFE	N/A	500,000	500,000	500,000	500,000	500,000	2,500,000
Total	N/A	550,000	550,000	550,000	550,000	550,000	2,750,000

Prior Capital Funding	11,171,000
FY 2023 Adopted	550,000
Capital Share Remaining	2,200,000
Project Total	13,921,000

Improve Newport Avenue (Talbot Hall) Drainage

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4322

Property Address:
Talbot Hall

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to support drainage improvements along Newport Avenue in the Talbot Hall area. This project will correct a flooding issue by increasing the size of storm water pipes along with outfall improvements.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	400,000	N/A	N/A	N/A	N/A	400,000
FY 2022 Adopted	300,000	400,000	0	0	0	N/A	700,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	100,000	0	0	0	0	100,000
Construction/FFE	N/A	300,000	0	0	0	0	300,000
Total	N/A	400,000	0	0	0	0	400,000

Prior Capital Funding	300,000
FY 2023 Adopted	400,000
Capital Share Remaining	0
Project Total	700,000

Improve Overbrook/Coleman Place Drainage

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4301

Property Address:
Overbrook/Coleman Place

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to improve the drainage in the Overbrook/Coleman Place area. Funds will be used for neighborhood flood mitigation to address various drainage system improvements. Funds will provide new inlets and large conduits to convey storm water to better mitigate issues caused by precipitation and flooding.

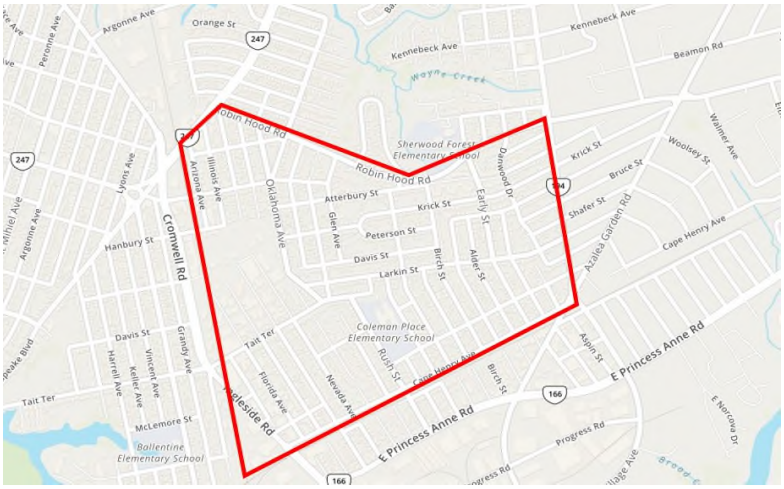
Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	2,000,000	2,000,000	2,200,000	2,000,000	N/A	8,200,000
FY 2022 Adopted	2,000,000	2,000,000	2,000,000	2,200,000	0	N/A	8,200,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	200,000	200,000	200,000	200,000	0	800,000
Construction/FFE	N/A	1,800,000	1,800,000	2,000,000	1,800,000	0	7,400,000
Total	N/A	2,000,000	2,000,000	2,200,000	2,000,000	0	8,200,000

Prior Capital Funding	4,000,000
FY 2023 Adopted	2,000,000
Capital Share Remaining	6,200,000
Project Total	12,200,000



Improve Park Place Drainage

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
N/A

Property Address:
Park Place

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to support drainage improvements in the Park Place area. Funds will be used to add piping and inlets that will improve storm water collection and conveyance.

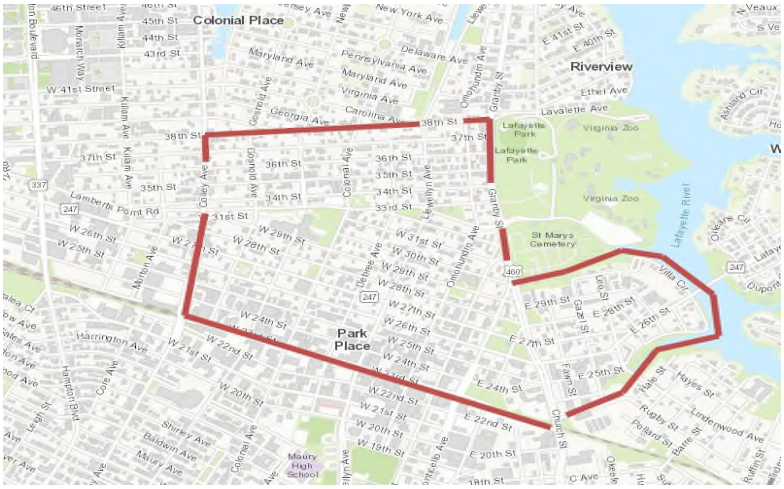
Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	N/A	2,000,000	1,950,000	2,000,000	2,050,000	8,000,000
FY 2022 Adopted	0	0	2,000,000	1,950,000	2,000,000	N/A	5,950,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	0	200,000	200,000	200,000	200,000	800,000
Construction/FFE	N/A	0	1,800,000	1,750,000	1,800,000	1,850,000	7,200,000
Total	N/A	0	2,000,000	1,950,000	2,000,000	2,050,000	8,000,000

Prior Capital Funding	0
FY 2023 Adopted	0
Capital Share Remaining	8,000,000
Project Total	8,000,000



Rehabilitate Tidewater Drive Pump Station

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
N/A

Property Address:
Tidewater Drive

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to rehabilitate the Tidewater Drive pump station. The project will increase pumping capacity of the station and reduce the number of times the underpass is unavailable due to flooding. This project is a new project that was previously planned under "Improve Storm Water System."

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	N/A	600,000	600,000	N/A	N/A	1,200,000
FY 2022 Adopted	0	0	600,000	600,000	0	N/A	1,200,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	0	100,000	100,000	0	0	200,000
Construction/FFE	N/A	0	500,000	500,000	0	0	1,000,000
Total	N/A	0	600,000	600,000	0	0	1,200,000

Prior Capital Funding	0
FY 2023 Adopted	0
Capital Share Remaining	1,200,000
Project Total	1,200,000

Replace Bute Street Bulkhead

Department
Public Works

Fund
General Capital

Account #
N/A

Property Address:

Project Description

The project would repair and replace the Bute Street Bulkhead. Funds would repair a sinkhole that has appeared in order to prevent damage to nearby property and infrastructure. The Bute Street Bulkhead is located along the Elizabeth River at the western end of W. Bute St in the Freemason area.

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☐ Tourists/Visitors ☑

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	750,000	N/A	N/A	N/A	N/A	750,000
FY 2022 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	75,000	0	0	0	0	75,000
Construction/FFE	N/A	675,000	0	0	0	0	675,000
Total	N/A	750,000	0	0	0	0	750,000

Prior Capital Funding	0
FY 2023 Adopted	750,000
Capital Share Remaining	0
Project Total	750,000

Upgrade the Monticello Avenue Pump Station

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4323

Property Address:
Monticello Avenue

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds for upgrades to the Monticello Avenue Pump Station. The project will increase the pumping capacity of the station and reduce the times the underpass is unavailable due to flooding. This project is a new project that was previously planned under "Improve Storm Water System."

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	600,000	N/A	N/A	N/A	N/A	600,000
FY 2022 Adopted	600,000	600,000	0	0	0	N/A	1,200,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	100,000	0	0	0	0	100,000
Construction/FFE	N/A	500,000	0	0	0	0	500,000
Total	N/A	600,000	0	0	0	0	600,000

Prior Capital Funding	600,000
FY 2023 Adopted	600,000
Capital Share Remaining	0
Project Total	1,200,000

Environmental Sustainability

Conduct Drainage Studies Citywide

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4299

Property Address:
Citywide

Customers Served
Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description
Provide funds to study areas in advance of designing projects for planning purposes to optimize resources and target storm water infrastructure areas with the greatest needs.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	500,000	N/A	N/A	N/A	N/A	500,000
FY 2022 Adopted	0	500,000	0	0	0	N/A	500,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	500,000	0	0	0	0	500,000
Construction/FFE	N/A	0	0	0	0	0	0
Total	N/A	500,000	0	0	0	0	500,000

Prior Capital Funding	1,000,000
FY 2023 Adopted	500,000
Capital Share Remaining	0
Project Total	1,500,000

Conduct Outfall Maintenance and Dredging

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4300

Property Address:
Citywide

Customers Served
Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description
Provide funds for the maintenance and dredging of outfalls citywide. Funds will be used to open up submerged and clogged outfalls through shoreline or barge dredging.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	450,000	950,000	1,000,000	N/A	N/A	2,400,000
FY 2022 Adopted	750,000	450,000	950,000	1,000,000	0	N/A	3,150,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	45,000	95,000	100,000	0	0	240,000
Construction/FFE	N/A	405,000	855,000	900,000	0	0	2,160,000
Total	N/A	450,000	950,000	1,000,000	0	0	2,400,000

Prior Capital Funding	1,400,000
FY 2023 Adopted	450,000
Capital Share Remaining	1,950,000
Project Total	3,800,000

Conduct Sliplining and Major Repairs to Existing Infrastructure

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4298

Property Address:
Citywide

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to support sliplining and major repairs to existing storm water infrastructure. The funds will be used to repair and improve existing storm water conveyance pipes by repairing the system using trenchless and other techniques to restore the system to optimal condition. Sliplining is a trenchless method in which a smaller pipe is installed in a larger pipe and then the space between the two pipes is sealed.

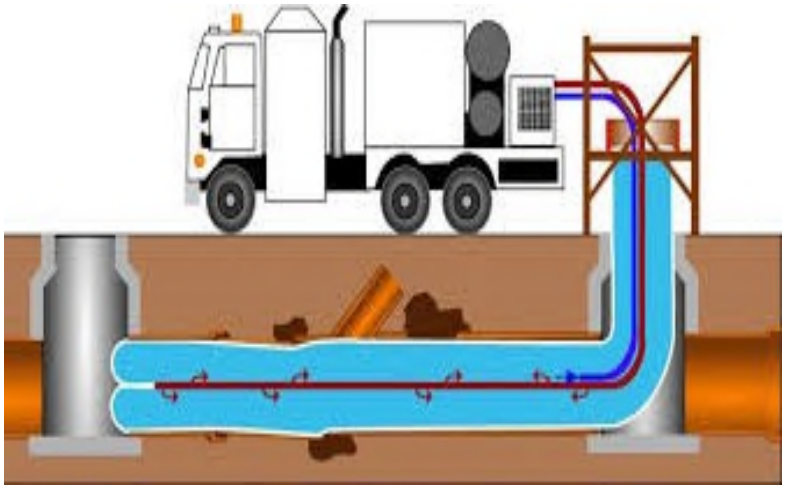
Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	1,200,000	1,200,000	1,000,000	N/A	N/A	3,400,000
FY 2022 Adopted	1,200,000	1,200,000	1,200,000	1,000,000	0	N/A	4,600,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	200,000	200,000	200,000	0	0	600,000
Construction/FFE	N/A	1,000,000	1,000,000	800,000	0	0	2,800,000
Total	N/A	1,200,000	1,200,000	1,000,000	0	0	3,400,000

Prior Capital Funding	2,200,000
FY 2023 Adopted	1,200,000
Capital Share Remaining	2,200,000
Project Total	5,600,000



Create Citywide Flooding Reserve

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
4000 35 4188

Property Address:
Citywide

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to create a citywide flooding reserve to prepare for the larger citywide flooding control projects. This project is funded by the $1.00 Storm Water fee increase approved in FY 2013. Funding will be dedicated to support the city's flood mitigation efforts.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	6,576,000
FY 2022 Adopted	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	N/A	6,576,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	6,576,000
Construction/FFE	N/A	0	0	0	0	0	0
Total	N/A	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	6,576,000

Prior Capital Funding	13,152,000
FY 2023 Adopted	1,315,200
Capital Share Remaining	5,260,800
Project Total	19,728,000

Implement Pond Retrofits Citywide

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4305

Property Address:
Citywide

Customers Served
Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description
Provide funds to support the implementation of pond retrofit projects citywide. Pond retrofits enhance pollutant removal and assist in flood mitigation.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	1,700,000	1,550,000	500,000	1,000,000	1,000,000	5,750,000
FY 2022 Adopted	2,050,000	1,700,000	1,550,000	500,000	1,000,000	N/A	6,800,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	170,000	155,000	50,000	100,000	100,000	575,000
Construction/FFE	N/A	1,530,000	1,395,000	450,000	900,000	900,000	5,175,000
Total	N/A	1,700,000	1,550,000	500,000	1,000,000	1,000,000	5,750,000

Prior Capital Funding	3,340,000
FY 2023 Adopted	1,700,000
Capital Share Remaining	4,050,000
Project Total	9,090,000

Implement Shoreline Restoration

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4304

Property Address:
Citywide

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to implement shoreline restoration in various areas across the city. The restoration process involves planting specific vegetation, constructing protective sills, adding sand fill, and creating buffer zones to reduce erosion and allow natural growth to build up the shoreline.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	550,000	700,000	1,750,000	1,250,000	1,250,000	5,500,000
FY 2022 Adopted	200,000	550,000	700,000	1,750,000	1,250,000	N/A	4,450,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	100,000	300,000	200,000	200,000	200,000	1,000,000
Construction/FFE	N/A	450,000	400,000	1,550,000	1,050,000	1,050,000	4,500,000
Total	N/A	550,000	700,000	1,750,000	1,250,000	1,250,000	5,500,000

Prior Capital Funding	1,160,000
FY 2023 Adopted	550,000
Capital Share Remaining	4,950,000
Project Total	6,660,000

Implement the Green Infrastructure Plan

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
2300 35 4306

Property Address:
Citywide

Customers Served

Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to support the continued implementation of the city's Green Infrastructure Plan. The plan involves approaching water management in a manner that protects or restores the natural water cycle. Funds will be used to build bioretention structures, rainwater collection or infiltration systems, and strategically placed vegetation.

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	100,000	100,000	100,000	100,000	100,000	500,000
FY 2022 Adopted	100,000	100,000	100,000	100,000	100,000	N/A	500,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	50,000	50,000	50,000	50,000	50,000	250,000
Construction/FFE	N/A	50,000	50,000	50,000	50,000	50,000	250,000
Total	N/A	100,000	100,000	100,000	100,000	100,000	500,000

Prior Capital Funding	200,000
FY 2023 Adopted	100,000
Capital Share Remaining	400,000
Project Total	700,000

Improve Selby Place Outfall Extension

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
N/A

Property Address:
Selby Place

Customers Served
Residents ☑ Business ☑ City Services ☑
Educational Community ☑ Tourists/Visitors ☐

Project Description
Provide funds to design and construct improvements to the Selby Place outfall extension. Funds will be used to extend the outfall beyond the beach replenishment project. This project is a new project that was previously planned under "Improve Storm Water Waterfront Facilities."

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	500,000	N/A	N/A	N/A	N/A	500,000
FY 2022 Adopted	0	500,000	0	0	0	N/A	500,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	50,000	0	0	0	0	50,000
Construction/FFE	N/A	450,000	0	0	0	0	450,000
Total	N/A	500,000	0	0	0	0	500,000

Prior Capital Funding	0
FY 2023 Adopted	500,000
Capital Share Remaining	0
Project Total	500,000

Improve Storm Water Waterfront Facilities

Department
Storm Water Utility

Fund
Storm Water Utility

Account #
4000 35 3037

Property Address:

Project Description
Provide funds for non-routine inspections, maintenance, repair, rehabilitation, and replacement of deteriorated bulkheads and outfall extensions citywide.

Customers Served

Residents ☑ Business ☑ City Services ☐
Educational Community ☐ Tourists/Visitors ☑

Financial Summary

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
FY 2023 Adopted	N/A	N/A	500,000	500,000	500,000	500,000	2,000,000
FY 2022 Adopted	0	0	500,000	500,000	500,000	N/A	1,500,000
Estimated Operation Budget Impact	N/A	0	0	0	0	N/A	0

Anticipated Project Timeline:

	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total
Planning/Design/Other	N/A	0	50,000	50,000	50,000	50,000	200,000
Construction/FFE	N/A	0	450,000	450,000	450,000	450,000	1,800,000
Total	N/A	0	500,000	500,000	500,000	500,000	2,000,000

Prior Capital Funding	9,000,000
FY 2023 Adopted	0
Capital Share Remaining	2,000,000
Project Total	11,000,000

Enterprise Funds

STORM WATER MANAGEMENT

Cost Recovery Summary

	FY 2020 Actual	FY 2021 Actual	FY 2022 Adopted	FY 2023 Adopted
Use of Money and Property	48,135	2,629	3,020	4,020
Charges for Services	21,360,470	22,183,304	21,949,906	22,405,745
Miscellaneous Revenue	85,188	66,386	45,000	44,000
Other Sources and Transfers In	0	0	0	0
Total	**21,493,793**	**22,252,318**	**21,997,926**	**22,453,765**

Actual amounts represent collections, not appropriation authority.

Expenditure Summary

	FY 2020 Actual	FY 2021 Actual	FY 2022 Adopted	FY 2023 Adopted
Personnel Services	6,584,132	6,426,095	7,432,558	7,548,437
Materials, Supplies, and Repairs	2,754,355	3,587,893	2,699,328	2,647,245
Contractual Services	1,587,823	2,127,606	1,921,211	1,823,797
Equipment	1,052,543	1,112,400	1,213,274	1,382,864
Department Specific Appropriation	0	0	3,841,488	4,374,304
Debt Service/Transfers to CIP	2,017,241	821,906	4,890,067	5,084,937
Total	**13,996,094**	**14,075,900**	**21,997,926**	**22,861,584**

			FY 2023 Adopted	
Program Name	**Service Objective**	**Service Level Classification**	**Dollars**	**FTEs**
Division Office	Efficient and responsive government	Meets Demand - Maintains	385,905	3.0
Administrative Support	Efficient and responsive government	Meets Demand - Maintains	1,175,846	13.0
Construction, Design, and Engineering	Infrastructure and Connectivity	Meets Demand - Maintains	3,511,771	12.0
Cost Allocation for Citywide Services	Efficient and responsive government	Meets Demand - Maintains	703,819	0.0
Debt Service	Efficient and responsive government	Meets Demand - Maintains	7,644,041	0.0
Environmental Regulatory Compliance	Resilient Norfolk	Meets Demand - Maintains	836,883	7.0
Storm Water Infrastructure Operations and Maintenance	Infrastructure and Connectivity	Meets Demand - Maintains	5,160,948	50.0
Street Sweeping	Resilient Norfolk	Meets Demand - Maintains	3,412,371	27.0
Total			**22,831,584**	**112.0**
Total FY 2022 Adopted			**21,967,926**	**111.0**
Change from FY 2022 Adopted			**863,658**	**1.0**

STORM WATER MANAGEMENT

Program: **Division Office**

Adjustments to Baseline Service Level Cost:

	FY 2023	FTE
Support increases for utility rates	**18,515**	**0.0**
Technical adjustment to increase funds for anticipated utility rate increases including electricity, and natural gas. The city was notified by the Virginia Energy Purchasing Governmental Association (VEPGA) to anticipate an electricity rate increase on average of 30 percent for FY 2023. Natural gas rates are expected to increase at the same rate as electricity. Adjustment includes aligning funds with projected increases, a central fund has been established to support additional cost increases based on utilization.		
Update base program costs	**145,619**	**0.0**
Technical adjustment to update program costs for citywide budget actions. Changes include personnel adjustments for approved permanent positions, healthcare enrollment, retirement contributions, and the citywide salary increase effective July 2, 2022. In addition, if applicable, adjustments for annual fleet expenditures based on maintenance and fuel for vehicles used for operations are also included. These are routine adjustments that occur each budget cycle.		
Total	**164,134**	**0.0**

Adopted Service Level Changes:

No adopted Service Level changes.

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

Expenditure Summary

	FY 2022 Adopted	FY 2023 Adopted
Personnel Services	218,921	331,540
Materials, Supplies, and Repairs	0	51,515
Contractual Services	2,850	2,850
Total	**221,771**	**385,905**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2022 Adopted	FTE Change	FY 2023 Adopted
Design/Construction Project Manager, Senior	1 17	$67,512	$110,179	1.0	0.0	1.0
Project Manager	1 16	$63,193	$103,030	1.0	0.0	1.0
Storm Water Engineer	1 19	$76,620	$124,607	1.0	0.0	1.0
Total				**3.0**	**0.0**	**3.0**

STORM WATER MANAGEMENT

Program: **Administrative Support**

Adjustments to Baseline Service Level Cost:

	FY 2023	FTE
Update base program costs	**87,169**	**0.0**
Technical adjustment to update program costs for citywide budget actions. Changes include personnel adjustments for approved permanent positions, healthcare enrollment, retirement contributions, and the citywide salary increase effective July 2, 2022. In addition, if applicable, adjustments for annual fleet expenditures based on maintenance and fuel for vehicles used for operations are also included. These are routine adjustments that occur each budget cycle.		
Total	**87,169**	**0.0**

Adopted Service Level Changes:

No adopted Service Level changes.

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

Expenditure Summary

	FY 2022 Adopted	FY 2023 Adopted
Personnel Services	1,033,527	1,120,696
Materials, Supplies, and Repairs	15,500	15,500
Contractual Services	14,650	21,650
Equipment	25,000	18,000
Total	**1,088,677**	**1,175,846**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2022 Adopted	FTE Change	FY 2023 Adopted
Accountant I	1 11	$42,870	$69,955	2.0	0.0	2.0
Accountant III	1 13	$50,243	$81,924	1.0	0.0	1.0
Accountant IV	1 14	$54,652	$90,395	1.0	0.0	1.0
Accounting Technician II	1 08	$38,190	$62,250	2.0	0.0	2.0
Administrative Assistant II	1 10	$39,226	$63,938	1.0	0.0	1.0
Administrative Technician	1 07	$37,940	$61,842	1.0	0.0	1.0
Collection Coordinator	1 11	$42,870	$69,955	1.0	0.0	1.0
Enterprise Controller	1 16	$63,193	$103,030	1.0	0.0	1.0
Manager of Budget & Accounting	1 18	$72,173	$117,688	1.0	0.0	1.0
Program Administrator	1 13	$50,243	$81,924	1.0	0.0	1.0
Storekeeper II	1 06	$37,690	$61,435	1.0	0.0	1.0
Total				**13.0**	**0.0**	**13.0**

STORM WATER MANAGEMENT

Program: **Construction, Design, and Engineering**

The Construction, Design, and Engineering program manages storm water design and construction projects, contractors, utility markings, and coastal and precipitation flooding studies.

Service Objective:

Customers Served:

Residents **Businesses** **City Agencies** Tourists/Visitors

Goal Statement:

To complete city-wide storm water construction projects on time and within budget in an effort to improve the storm water system and mitigate flooding.

Mandate	Reliance	Cost Recovery	Population Served	Demand
Discretionary	City is Sole Provider	Yes	Majority of Population Benefits	Meets Demand - Exceeds
Federal/State Mandate			Less than 50% of Population Benefits	Meets Demand - Maintains
City Mandate	Other Entities Provide this Service	No	Less than 10% of Population Benefits	Does Not Meet Demand

Performance Measures

	FY 2020 Actual	FY 2021 Actual	FY 2022 Projection	FY 2023 Adopted	Metric
Number of missed utilities tickets reviewed	46,981	42,814	47,947	47,947	40,000
Number of site plans reviewed	249	232	194	200	200

Adjustments to Baseline Service Level Cost:

	FY 2023	FTE
Update base program costs	**10,172**	**0.0**
Technical adjustment to update program costs for citywide budget actions. Changes include personnel adjustments for approved permanent positions, healthcare enrollment, retirement contributions, and the citywide salary increase effective July 2, 2022. In addition, if applicable, adjustments for annual fleet expenditures based on maintenance and fuel for vehicles used for operations are also included. These are routine adjustments that occur each budget cycle.		
Total	**10,172**	**0.0**

STORM WATER MANAGEMENT

Program: **Construction, Design, and Engineering**

Adopted Service Level Changes:

	FY 2023	FTE
Provide funds to develop flood mitigation investment plan	**500,000**	**0.0**
Provide one-time funds to develop a flood mitigation investment plan. Funds will be used to hire consultants who will assist with developing a guiding document that will help Norfolk navigate towards a more resilient future. The investment plan will prioritize projects and help inform future policy and capital improvement plan choices.		
Provide funds for a Commercial Driver's License stipend	**5,000**	**0.0**
Provide funds for a Commercial Driver's License (CDL) stipend. Employees that hold a CDL in positions that require a CDL and will receive an annual stipend of $5,000. Many of the city's important services including refuse collection and street sweeping require CDLs. Competition in the region to recruit and retain has become much more robust.		
Total	**505,000**	**0.0**

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

Expenditure Summary

	FY 2022 Adopted	FY 2023 Adopted
Personnel Services	1,115,367	1,128,538
Materials, Supplies, and Repairs	37,544	39,545
Contractual Services	518,714	488,614
Equipment	9,774	39,874
Department Specific Appropriation	0	500,000
Debt Service/Transfers to CIP	1,315,200	1,315,200
Total	**2,996,599**	**3,511,771**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2022 Adopted	FTE Change	FY 2023 Adopted
CCTV Technician	1 11	$42,870	$69,955	1.0	0.0	1.0
Civil Engineer II	1 15	$59,164	$96,734	2.0	0.0	2.0
Civil Engineer III	1 16	$63,193	$103,030	2.0	0.0	2.0
Construction Inspector II	1 11	$42,870	$69,955	1.0	0.0	1.0
Construction Inspector III	1 12	$46,583	$75,967	1.0	0.0	1.0
Design/Construction Project Manager, Senior	1 17	$67,512	$110,179	1.0	0.0	1.0
Engineering Technician II	1 11	$42,870	$69,955	1.0	0.0	1.0
Engineering Technician IV	1 13	$50,243	$81,924	1.0	0.0	1.0
Geographic Information Systems Technician II	1 11	$42,870	$69,955	1.0	0.0	1.0
Project Manager	1 16	$63,193	$103,030	1.0	0.0	1.0
Total				**12.0**	**0.0**	**12.0**

STORM WATER MANAGEMENT

Program: **Cost Allocation for Citywide Services**

Adjustments to Baseline Service Level Cost:

	FY 2023	FTE
Adjust operational expenditures	**(95,963)**	**0.0**
Technical adjustment for operational expenses which occurs annually. These expenses may include indirect costs and payment in lieu of taxes.		
Total	**(95,963)**	**0.0**

Adopted Service Level Changes:

No adopted Service Level changes.

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

Expenditure Summary

	FY 2022 Adopted	FY 2023 Adopted
Materials, Supplies, and Repairs	156,445	156,445
Contractual Services	643,337	547,374
Total	**799,782**	**703,819**

STORM WATER MANAGEMENT

Program: **Debt Service**

Adjustments to Baseline Service Level Cost:

	FY 2023	FTE
Adjust debt service expenditures	**194,870**	**0.0**
Technical adjustment to support annual debt service payments related to pension obligation bonds.		
Adjust operational expenditures	**32,816**	**0.0**
Technical adjustment for operational expenses which occurs annually. These expenses may include indirect costs and payment in lieu of taxes.		
Total	**227,686**	**0.0**

Adopted Service Level Changes:

No adopted Service Level changes.

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

Expenditure Summary

	FY 2022 Adopted	FY 2023 Adopted
Department Specific Appropriation	3,841,488	3,874,304
Debt Service/Transfers to CIP	3,574,867	3,769,737
Total	**7,416,355**	**7,644,041**

STORM WATER MANAGEMENT

Program: **Environmental Regulatory Compliance**

The Environmental Regulatory Compliance program ensures compliance with environmental laws, regulations, and permits through monitoring and inspecting of infrastructure dealing with pollutant control and prevention of contaminates in the storm water system and local water sources.

Service Objective:

Customers Served:

Residents **Businesses** City Agencies **Tourists/Visitors**

Goal Statement:

To reduce waterway pollutants through compliance of environmental laws and infrastructure inspections.

Mandate	Reliance	Cost Recovery	Population Served	Demand
Discretionary	City is Sole Provider	Yes	Majority of Population Benefits	Meets Demand - Exceeds
Federal/State Mandate			Less than 50% of Population Benefits	Meets Demand - Maintains
City Mandate	Other Entities Provide this Service	No	Less than 10% of Population Benefits	Does Not Meet Demand

Performance Measures

	FY 2020 Actual	FY 2021 Actual	FY 2022 Projection	FY 2023 Adopted	Metric
Number of environmental complaints investigated	105	171	336	150	150
Number of illicit discharges investigated and corrected	19	49	69	40	40
Number of post-construction BMPs inspected and reinspected	490	1,151	1,001	850	850

Adjustments to Baseline Service Level Cost:

	FY 2023	FTE
Update base program costs	**(441,741)**	**0.0**
Technical adjustment to update program costs for citywide budget actions. Changes include personnel adjustments for approved permanent positions, healthcare enrollment, retirement contributions, and the citywide salary increase effective July 2, 2022. In addition, if applicable, adjustments for annual fleet expenditures based on maintenance and fuel for vehicles used for operations are also included. These are routine adjustments that occur each budget cycle.		
Total	**(441,741)**	**0.0**

STORM WATER MANAGEMENT

Program: **Environmental Regulatory Compliance**

Adopted Service Level Changes:

No adopted Service Level changes.

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

Expenditure Summary

	FY 2022 Adopted	FY 2023 Adopted
Personnel Services	1,064,680	610,938
Materials, Supplies, and Repairs	41,544	43,545
Contractual Services	164,900	144,900
Equipment	7,500	37,500
Total	**1,278,624**	**836,883**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2022 Adopted	FTE Change	FY 2023 Adopted
Engineering Technician I	1 10	$39,226	$63,938	1.0	0.0	1.0
Environmental Specialist II	1 12	$46,583	$75,967	2.0	0.0	2.0
Program Supervisor	1 13	$50,243	$81,924	1.0	0.0	1.0
Programs Manager	1 15	$59,164	$96,734	1.0	0.0	1.0
Project Manager	1 16	$63,193	$103,030	1.0	0.0	1.0
Public Relations Specialist	1 12	$46,583	$75,967	1.0	0.0	1.0
Total				**7.0**	**0.0**	**7.0**

STORM WATER MANAGEMENT

Program: **Storm Water Infrastructure Operations and Maintenance**

The Storm Water Infrastructure Operations and Maintenance program is responsible for the operations and maintenance of the pump stations, flood wall, outfalls, structures, pipes, and ponds by providing personnel and equipment necessary for upkeep of storm water infrastructure.

Service Objective:

Customers Served:

Residents **Businesses** City Agencies **Tourists/Visitors**

Goal Statement:

To maintain new and existing infrastructure in an effort to reduce waterway pollutants and city-wide flooding.

Mandate	Reliance	Cost Recovery	Population Served	Demand
Discretionary	City is Sole Provider	Yes	Majority of Population Benefits	Meets Demand - Exceeds
Federal/State Mandate			Less than 50% of Population Benefits	Meets Demand - Maintains
City Mandate	Other Entities Provide this Service	No	Less than 10% of Population Benefits	Does Not Meet Demand

Performance Measures

	FY 2020 Actual	FY 2021 Actual	FY 2022 Projection	FY 2023 Adopted	Metric
Linear feet of ditches cleaned	N/A	212,467	161,797	150,000	150,000
Number of executed work orders	N/A	N/A	103	75	75
Number of structures cleaned	N/A	6,420	3,670	3,500	3,500
Number of structures repaired	141	175	166	150	150

STORM WATER MANAGEMENT

Program: **Storm Water Infrastructure Operations and Maintenance**

Adjustments to Baseline Service Level Cost:

	FY 2023	FTE
Remove one-time funds for ditch maintenance capacity	**(145,000)**	**0.0**
Technical adjustment to remove one-time funds provided in FY 2022 for ditch maintenance.		
Remove one-time funds for Chesterfield Heights	**(196,000)**	**0.0**
Technical adjustment to remove one-time funding provided in FY 2022 to support the maintenance and operation of the flood mitigation infrastructure constructed in the Chesterfield Heights neighborhood. The funds were used to purchase equipment necessary for maintenance. This project was funded by the National Disaster Resilience Competition (NDRC) grant. The grant does not provide ongoing funding beyond the construction of the project.		
Increase funds for security services	**41,649**	**0.0**
Technical adjustment to provide funds for contractual increases in security services. Total costs will increase $41,649 from $15,000 in FY 2022 to $56,649 in FY 2023.		
Support increases for utility rates	**5,791**	**0.0**
Technical adjustment to increase funds for anticipated utility rate increases including electricity, and natural gas. The city was notified by the Virginia Energy Purchasing Governmental Association (VEPGA) to anticipate an electricity rate increase on average of 30 percent for FY 2023. Natural gas rates are expected to increase at the same rate as electricity. Adjustment includes aligning funds with projected increases, a central fund has been established to support additional cost increases based on utilization.		
Update base program costs	**112,610**	**0.0**
Technical adjustment to update program costs for citywide budget actions. Changes include personnel adjustments for approved permanent positions, healthcare enrollment, retirement contributions, and the citywide salary increase effective July 2, 2022. In addition, if applicable, adjustments for annual fleet expenditures based on maintenance and fuel for vehicles used for operations are also included. These are routine adjustments that occur each budget cycle.		
Total	**(180,950)**	**0.0**

Adopted Service Level Changes:

	FY 2023	FTE
Provide one-time funds for Storm Water Operations equipment	**180,000**	**0.0**
Provide funds for an excavator to assist with year round maintenance of storm water ponds and ditches.		
Provide funds for an electrician for storm water maintenance	**172,756**	**1.0**
Provide funds for an Electrician II and one-time funds for a utility truck for electric repair equipment. The electrician will perform electrical work on the city's storm water systems. This action will provide more timely, cost effective and efficient repairs for storm water systems.		
Provide funds for a Commercial Driver's License stipend	**125,000**	**0.0**
Provide funds for a Commercial Driver's License (CDL) stipend. Employees that hold a CDL in positions that require a CDL and will receive an annual stipend of $5,000. Many of the city's important services including refuse collection and street sweeping require CDLs. Competition in the region to recruit and retain has become much more robust.		
Total	**477,756**	**1.0**

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

STORM WATER MANAGEMENT

Program: **Storm Water Infrastructure Operations and Maintenance**

Expenditure Summary

	FY 2022 Adopted	FY 2023 Adopted
Personnel Services	2,551,344	2,781,864
Materials, Supplies, and Repairs	1,722,073	1,581,710
Contractual Services	259,225	300,874
Equipment	331,500	496,500
Total	**4,864,142**	**5,160,948**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2022 Adopted	FTE Change	FY 2023 Adopted
Crew Leader I	1 09	$38,440	$62,657	8.0	0.0	8.0
Electrician II	1 10	$39,226	$63,938	0.0	1.0	1.0
Equipment Operator II	1 07	$37,940	$61,842	6.0	0.0	6.0
Equipment Operator III	1 08	$38,190	$62,250	5.0	0.0	5.0
Equipment Operator IV	1 09	$38,440	$62,657	1.0	0.0	1.0
Maintenance Mechanic II	1 08	$38,190	$62,250	1.0	0.0	1.0
Maintenance Worker I	1 04	$37,440	$61,027	12.0	0.0	12.0
Maintenance Worker II	1 06	$37,690	$61,435	6.0	0.0	6.0
Utility Maintenance Mechanic I	1 07	$37,940	$61,842	1.0	0.0	1.0
Utility Maintenance Mechanic II	1 09	$38,440	$62,657	4.0	0.0	4.0
Utility Maintenance Supervisor	1 11	$42,870	$69,955	3.0	0.0	3.0
Utility Maintenance Supervisor, Senior	1 13	$50,243	$81,924	2.0	0.0	2.0
Total				**49.0**	**1.0**	**50.0**

STORM WATER MANAGEMENT

Program: **Street Sweeping**

The Street Sweeping program is responsible for sweeping curbed streets on a routine basis using specialized vehicles. Street sweeping limits the debris that ends up in the storm drains, which helps mitigate flooding.

Service Objective:

Customers Served:

Residents **Businesses** City Agencies **Tourists/Visitors**

Goal Statement:

To limit debris in the storm water system so as to mitigate flooding and improve water quality.

Mandate	Reliance	Cost Recovery	Population Served	Demand
Discretionary	City is Sole Provider	Yes	Majority of Population Benefits	Meets Demand - Exceeds
Federal/State Mandate			Less than 50% of Population Benefits	Meets Demand - Maintains
City Mandate	Other Entities Provide this Service	No	Less than 10% of Population Benefits	Does Not Meet Demand

Performance Measures

	FY 2020 Actual	FY 2021 Actual	FY 2022 Projection	FY 2023 Adopted	Metric
Number of miles of curbline swept	38,085	36,175	36,300	36,000	36,000
Number of tons of material/debris collected from sweeping operations	4,562	5,506	4,500	4,000	4,000

Adjustments to Baseline Service Level Cost:

	FY 2023	FTE
Update base program costs	**35,395**	**0.0**
Technical adjustment to update program costs for citywide budget actions. Changes include personnel adjustments for approved permanent positions, healthcare enrollment, retirement contributions, and the citywide salary increase effective July 2, 2022. In addition, if applicable, adjustments for annual fleet expenditures based on maintenance and fuel for vehicles used for operations are also included. These are routine adjustments that occur each budget cycle.		
Total	**35,395**	**0.0**

STORM WATER MANAGEMENT

Program: **Street Sweeping**

Adopted Service Level Changes:

	FY 2023	FTE
Provide funds for a Commercial Driver's License stipend	**75,000**	**0.0**
Provide funds for a Commercial Driver's License (CDL) stipend. Employees that hold a CDL in positions that require a CDL and will receive an annual stipend of $5,000. Many of the city's important services including refuse collection and street sweeping require CDLs. Competition in the region to recruit and retain has become much more robust.		
Total	**75,000**	**0.0**

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

Expenditure Summary

	FY 2022 Adopted	FY 2023 Adopted
Personnel Services	1,448,719	1,574,861
Materials, Supplies, and Repairs	726,222	758,985
Contractual Services	287,535	287,535
Equipment	839,500	790,990
Total	**3,301,976**	**3,412,371**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2022 Adopted	FTE Change	FY 2023 Adopted
Automotive Service Attendant	1 08	$38,190	$62,250	1.0	0.0	1.0
Crew Leader I	1 09	$38,440	$62,657	1.0	0.0	1.0
Equipment Operator II	1 07	$37,940	$61,842	6.0	0.0	6.0
Equipment Operator III	1 08	$38,190	$62,250	12.0	0.0	12.0
Maintenance Worker I	1 04	$37,440	$61,027	4.0	0.0	4.0
Storm Water Assistant Superintendent	1 14	$54,652	$90,395	1.0	0.0	1.0
Utility Maintenance Supervisor	1 11	$42,870	$69,955	2.0	0.0	2.0
Total				**27.0**	**0.0**	**27.0**

Capital Improvement Projects (CIP) Funded by Storm Water Utility Funds

The City of Norfolk continues to make significant upgrades to the storm water infrastructure to fulfill our two-pronged mission of reducing storm water flooding and improving storm water quality. The City uses three main funding avenues to support these improvements:

- Direct storm water capital improvements supported by the storm water utility
- General capital improvements funded through the City's capital improvement program supported by general tax sources and
- Annual operations funds from the storm water utility.

Additional projects may be completed by developers and turned over to the City to become part of the storm water infrastructure.

The total annual investment in storm water capital improvements for FY22 was $33,315,200. However, due to project timing the annual expenditures can sometimes be substantially higher and/or lower than the appropriated amounts. Storm Water CIP funding is expected to continue for the foreseeable future. Projects utilizing and/or having funds allocated in FY22 are listed below.

Create Citywide Flooding Reserve ($1,315,200)

The Create Citywide Flooding Reserve provides a funding reserve to prepare for larger citywide flooding control projects. This funding is dedicated to support the city's flood mitigation efforts.

Raise the Downtown Floodwall ($8,000,000)

Raise the Downtown Floodwall provides funding to raise the elevation of the floodwall, reinforce sections of the wall and reconstruct all the flood gates to provide the level of flood protection required by the Federal Emergency Management Agency (FEMA) for the downtown area.

Improve Storm Water Infrastructure in St. Paul's Area ($5,000,000)

Improve Storm Water Infrastructure in the St. Paul's Area provides funding to add storm water collection and conveyance infrastructure in the existing and new street network to mitigate precipitation flooding.

Conduct Sliplining and Major Repairs to Existing Infrastructure ($1,200,000)

This project will repair and improve the existing storm water conveyance pipes by repairing the system using trenchless and other techniques to restore the system to optimal condition.

Conduct Outfall Maintenance and Dredging ($750,000)

Provides funds for the maintenance and dredging of outfalls citywide. The project includes clearing submerged, clogged outfalls through shoreline or barge dredging.

Improve Overbrook/Coleman Place Drainage ($2,000,000)

Provides funds for neighborhood flood mitigation to address various drainage system improvements.

Improve Glenwood Park Drainage ($1,900,000)
Provides funds for infrastructure improvements to better mitigate issues from precipitation flooding.

Implement Shoreline Restoration ($200,000)
Provides funds for citywide restoration areas involving planting specific vegetation, constructing protective sills, adding sand fill, and creating buffer zones to reduce erosion and allow natural growth to build up the shoreline.

Implement Pond Retrofits Citywide ($2,050,000)
Provides funds for pond retrofits to enhance pollutant removal and assist in flood mitigation.

Implement the Green Infrastructure Plan ($100,000)
Provides funds for the water management approach to protect or restore the natural water cycle via bioretention structures, rainwater collection or infiltration systems, and strategically placed vegetation.

Improve East Ocean View Drainage ($2,000,000)
Provides funds to add storm drainage infrastructure to manage a 10-year storm precipitation event.

Improve Glenrock Drainage ($1,400,000)
Provides funds to add storm drainage infrastructure to manage a 10-year storm precipitation event.

Construct the Blue/Greenway in the St. Paul's Area ($6,000,000)
Provides funds in the St. Paul's area to create an aesthetic open space designed to treat and store storm water runoff during storm events.

Improve Newport Avenue (Talbot Hall) Drainage ($300,000)
Provides funds to mitigate a flooding issue by increasing the size of storm water pipes along with outfall improvements.

Upgrade the Monticello Avenue Pump Station ($600,000)
Provides funds to increase pumping capacity and reduce the times the underpass is unavailable due to flooding.

Improve Duffys Lane Outfall Extension ($500,000)
Provides funds to extend the outfall beyond the beach replenishment limits for proper conveyance of drainage.

Street Sweeping Signage

Beyond sliplining and system repair projects, the operations component of the storm water utility fund finances the installation of new signage for the once-a-month street sweeping program. In FY08, all regulatory no parking signs associated with street sweeping were replaced and the program is still ongoing. Where regulatory signs are not appropriate, advisory signs will be installed. These signs will inevitably make the monthly street sweeping program more effective by educating residents to move their automobiles during scheduled street sweeping. This will improve storm water quality by reducing the pollutants available to be washed in the waterways.

MS4 Program Plan - Section 2.2 - Planning and Retrofitting Storm Water Quality Projects

Project	Status	Project Type	Treatment Area (ac)	Impervious Treatment Area (ac)	Pervious Treatment Area (ac)	Condition of Downstream Channel	Nitrogen Reduction (lbs/yr)	Phosphorous Reduction (lbs/yr)	TSS Reduction (lbs/yr)	Feasability of Implementation	Estimated Cost
Anne Outten Retention Pond	Complete	BMP Retrofit- Upgrade	103	62.3	40.7	open tidal waters	137.62	39.38	2745.24	High	$557,279
Ballentine School Retention Pond	Complete	BMP Retrofit- Upgrade	179.83	120.79	59.04	stable tidal creek	210.38	66.01	11968.36	High	$1,003,441
Beach Avenue Living Shoreline	Complete	Living Shoreline Construction	0.81	NA	NA	open tidal waters	123.32	39.12	62509.18	High	$779,598
Central Business Park Retention Pond	Complete	BMP Retrofit- Upgrade	19.6	13.3	6.3	stable tidal creek	38.84	9.83	1201.1	High	$411,372
Dune Street Constructed Stormwater Wetland	Complete	BMP Construction	12.45	4.69	7.76	limited erosion	23.4	6.4	5628	High	$303,711
Hermitage East/North Shore Road Living Shoreline	Complete	Living Shoreline Construction	1.04	NA	NA	open tidal waters	266.61	126.77	206077.81	High	$982,586
Hermitage Oyster Reef	Complete	Oyster Reef Construction	1.44	NA	NA	open tidal waters	TBD	TBD	TBD	High	$458,589
Hermitage West Living Shoreline	Complete	Living Shoreline Construction	1.11	NA	NA	open tidal waters	140.82	33.69	52910.12	High	$731,453
Jeff Robertson Park Constructed Stormwater Wetland	Complete	BMP Construction	14.66	5.48	9.18	stable tidal creek	38.35	8.41	3199.91	High	$340,574
Juvenile Detention Center Retention Pond	Complete	BMP Retrofit- Conversion	29.97	21.55	8.42	stable tidal creek	96.1	24.3	11,434	High	$538,104
Knitting Mill Creek Living Shoreline	Complete	Living Shoreline Construction	0.35	NA	NA	open tidal waters	50.8	15.15	24121.6	High	$851,119
Lake Modoc Retention Pond	Complete	BMP Retrofit- Upgrade	81.31	43.48	37.83	open tidal waters	115.31	33.39	3062.3	High	$631,180
Lake Taylor Retention Pond	Complete	BMP Retrofit- Upgrade	1436.1	615.8	820.3	stable tidal creek	1719.14	477.5	63464.85	High	$2,103,200
Lindenwood Living Shoreline	Complete	Living Shoreline Construction	1.68	NA	NA	open tidal waters	256.96	81.98	131019.05	High	$1,621,380
Parkdale Avenue Stream Restoration	Complete	Stream Restoration	52.2	25.06	27.14	stable tidal creek	37.1	33.6	7,488	High	$422,977
Roberts Road Retention Pond	Complete	BMP Retrofit- Upgrade	57.6	29.5	28.1	limited erosion	62.81	21.22	1576.9	High	$438,915
Templar Boulevard Stream Restoration	Complete	Stream Restoration	123.44	61.8	61.64	limited erosion	41.2	19	36200	High	$188,209
Villa Circle Living Shoreline	Complete	Living Shoreline Construction	1.55	NA	NA	open tidal waters	225.47	67.43	107387.5	High	$1,138,652
Hague Constructed Stormwater Wetland	Under Construction	BMP Construction	14.85	9.85	5	open tidal waters	92.84	17.7	4303.96	High	$741,647
Norfolk International Terminals Living Shoreline	Under Design	Living Shoreline Construction	0.33	NA	NA	open tidal waters	763.11	425.54	695262.18	Medium	$2,131,424

Note 1: Shoreline management pollutant reduction calculations are based on restored area, not on drainage area, so only square footage of restored marsh is provided.
Note 2: Pollutant reduction calculations for restored oyster reefs are not yet established.

THE CITY OF NORFOLK
PUBLIC WORKS

July 2, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300065

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a vehicular fire that led to gasoline and oil going into the storm drain 7/2/2021 7:00:00 AM. The description of the incident is as follows:

Stormwater staff was notified of a vehicle fire from Inspector Williams from the Fire Marshall's Office. Stormwater staff responded and tracked down oil/gasoline sheen to down the block and into drop inlet before the outfall into Mason Creek. Booms, absorbent material, and pads were placed down. HEPACO was called to provide spill remediation. NRC was notified due to potential release during significant rain storm during clean up and the report number is 1309511.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/2/2021 11:07:42 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300065**
REPORT DATE:	**7/2/2021 3:12 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Gasoline/Oil**
LOCATION:	**ILLICIT DISCHARGE- 214-155 E Bayview Blvd.**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Unknown**
DATE OF DISCHARGE:	**7/2/2021 7:00:00 AM**
DATE/TIME REPORTED:	**7/2/2021 11:07:42 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was notified of a vehicle fire from Inspector Williams from the Fire Marshall's Office. Stormwater staff responded and tracked down oil/gasoline sheen to down the block and into drop inlet before the outfall into Mason Creek.**
CORRECTIVE ACTION:	**Booms, absorbent material, and pads were placed down. HEPACO was called to provide spill remediation.**
IMPACT TO STATE WATERS:	**Unknown- NRC was notified due to potential release during significant rain storm during clean up and the report number is 1309511.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Chrissie VanLear 7/2/21

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

July 2, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300057

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was vehicular accident that resulted in gasoline entering the storm drain on 7/1/2021 4:35 PM. The description of the incident is as follows:

Shawn Henry received a call about a vehicle that ran over debris in the street, causing the gas tank to rupture. The Fire Departments was already on scene and blocked the storm drain. Most of the gasoline was in the street, but approximately 1 gallon had entered the storm drain. The product was contained to the storm drain due to debris in the structure. Absorbent pads were used to recover all product from the storm drain. No waterways were affected.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/1/2021 5:15 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300057**
REPORT DATE:	**7/2/2021 1:45 PM**
ESTIMATED QUANTITY:	**1 gallon**
TYPE OF DISCHARGE:	**Gasoline**
LOCATION:	**ILLICIT DISCHARGE- 3109 E. Princess Anne Road**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**N/A**
DATE OF DISCHARGE:	**7/1/2021 4:35 PM**
DATE/TIME REPORTED:	**7/1/2021 5:15 PM**
REPORTED TO DEQ/DCR BY:	**C. Magruder**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Shawn Henry received a call about a vehicle that ran over debris in the street, causing the gas tank to rupture. The Fire Departments was already on scene and blocked the storm drain. Most of the gasoline was in the street, but approximately 1 gallon had entered the storm drain.**
CORRECTIVE ACTION:	**The product was contained to the storm drain due to debris in the structure. Absorbent pads were used to recover all product from the storm drain. No waterways were affected.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

7/2/21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

July 2, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300052

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a spill of an unknown substance where the date and time of occurrence is not known. The description of the incident is as follows:

Stormwater Inspector, Peter Mack, observed an unknown substance that appeared to be diesel on the ground of BJ's Gas Center after hours. Mr. Mack notified the Fire Marshall's Office who responded, as well as BJ's management. BJ's called their own spill response contractor to provide remediation. As of today, the substance and the gallons spilled are unknown, as well as the event that caused the spill. No storm drains appear to be impacted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/1/2021 2:05:14 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300052**
REPORT DATE:	**7/2/2021 2:57 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Unknown liquid**
LOCATION:	**ILLICIT DISCHARGE- 5832 E. Virginia Beach Blvd**
RESPONSIBLE PARTY: ADDRESS& PHONE:	~~**Lakewood Plaza Apartments 5631 Tidewater Drive Norfolk, VA 23509**~~ BJ's Gas 5832 E. Virginia Beach Blvd.
DATE OF DISCHARGE:	**Unknown**
DATE/TIME REPORTED:	**7/1/2021 2:05:14 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater Inspector, Peter Mack, observed an unknown substance that appeared to be diesel on the ground of BJ's Gas Center after hours. Mr. Mack notified the Fire Marshall's Office who responded, as well as BJ's management. BJ's called their own spill response contractor to provide remediation. As of today, the substance and the gallons spilled are unknown, as well as the event that caused the spill. No storm drains appear to be impacted.**
CORRECTIVE ACTION:	**BJ's called their own spill response contractor to provide remediation.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

7/2/21
Date

July 13, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300135

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a spill of an unknown substance and quantity that Stormwater was notified of on 7/9/2021 at approximately 11:30:00 AM. The exact date and time of the incidence is unknown. The description of the incident is as follows:

Stormwater received a call from another Division regarding oil in the roadway. Staff visited the site and inspected and found the unknown substance along South Military Highway and Corporate Boulevard and tracking up to 264 E exit. Stormwater staff applied absorbent to the oil and proceeded to remove the remnants with a street sweeper. No storm drains were impacted. VDOT was notified of the spill that tracked onto the interstate.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/9/2021 3:29:45 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300135**
REPORT DATE:	**7/13/2021 10:33 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Unknown oil substance**
LOCATION:	**ILLICIT DISCHARGE- South Military Highway and Corporate Boulevard**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Unknown**
DATE OF DISCHARGE:	**Unknown (Stormwater staff was notified 7/9/2021 11:30 AM)**
DATE/TIME REPORTED:	**7/9/2021 3:29:45 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater received a call from another Division regarding oil in the roadway. Staff visited the site and inspected and found the unknown substance along South Military Highway and Corporate Boulevard and tracking up to 264 E exit.**
CORRECTIVE ACTION:	**Stormwater staff applied absorbent to the oil and proceeded to remove the remnants with a street sweeper. No storm drains were impacted. VDOT was notified of the spill that tracked onto the interstate**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Chessi VanLear — Signature

7/13/21 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

August 5, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300448

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an ESC breach at a construction site that released sediment into the storm drain 8/4/2021 6:45:00 AM. The description of the incident is as follows:

Stormwater staff conducted a routine construction inspection during a significant rain event and noted that sediment laden water had breached the ESC on the construction site. The sediment laden water reached the storm drain which ultimately could reach the Elizabeth River. The contractor on site was contacted immediately to address the situation. The contractor immediately placed hay bales in front of the breach at the silt fence. He later followed up with replacement of that section of silt fence and removal of sediment in the gutter.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/4/2021 4:02 PM and issued an incident number of 300448.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300448**
REPORT DATE:	**8/4/201 4:02pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment runoff**
LOCATION:	**ILLICIT DISCHARGE- 630 Tidewater Drive**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**The RA Lawson Group, Chip Smithwick, 373 Edwin Drive, Virginia Beach, VA 757-567-9145**
DATE OF DISCHARGE:	**8/4/2021 6:45 am**
DATE/TIME REPORTED:	**8/4/2021 4:02 pm**
REPORTED TO DEQ/DCR BY:	**A . Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Sediment laden water had breached the ESC on the construction site. The sediment laden water reached the storm drain which ultimately could reach the Elizabeth River.**
CORRECTIVE ACTION:	**The contractor immediately placed hay bales in front of the breach at the silt fence. He later followed up with replacement of that section of silt fence and removal of sediment in the gutter.**
IMPACT TO STATE WATERS:	**Unknown**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

8-5-21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

August 5, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300447

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an ESC breach at a construction site that released sediment into the storm drain 8/4/2021 7:00:00 AM. The description of the incident is as follows:

Stormwater staff conducted a routine construction inspection during a significant rain event and noted that sediment laden water had breached the ESC on the construction site. The sediment laden water reached the storm drain which ultimately could reach the Elizabeth River. The contractor on site was contacted immediately to address the situation. The contractor placed additional erosion logs to stopped the sediment from leaving the site.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/4/2021 4:02 PM and issued an incident number of 300447.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300447**
REPORT DATE:	**8/4/201 4:02pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment runoff**
LOCATION:	**ILLICIT DISCHARGE- 1344 Ballentine Boulevard**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Paxton Contracting, Will Barber, 757-745-7140**
DATE OF DISCHARGE:	**8/4/2021 7:00 am**
DATE/TIME REPORTED:	**8/4/2021 4:02 pm**
REPORTED TO DEQ/DCR BY:	**A . Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Sediment laden water had breached the ESC on the construction site. The sediment laden water reached the storm drain which ultimately could reach the Elizabeth River.**
CORRECTIVE ACTION:	**Additional erosion logs were placed to stop the sediment from leaving the site.**
IMPACT TO STATE WATERS:	**Unknown**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

8-5-21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

August 5, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300446

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an ESC breach at a construction site that released sediment into the storm drain 8/4/2021 9:45:00 AM. The description of the incident is as follows:

Stormwater staff conducted a routine construction inspection during a significant rain event and noted that sediment laden water had breached the ESC on the construction site. The sediment laden water reached the storm drain which ultimately would reach the Elizabeth River. The contractor on site was contacted immediately to address the situation. The site was stabilized immediately to remediate the release of sediment into the storm drain. The sediment was removed from the gutter pan and the silt fence was repaired.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/4/2021 4:02 PM and issued an incident number of 300446.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300446**
REPORT DATE:	**8/4/201 4:02pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment runoff**
LOCATION:	**ILLICIT DISCHARGE- 560 W. Olney Road**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**ET Gresham, Dale Jenkins, 1038 mW.26th Street, Norfolk, 757-613-1842**
DATE OF DISCHARGE:	**8/4/2021 9:45 am**
DATE/TIME REPORTED:	**8/4/2021 4:02 pm**
REPORTED TO DEQ/DCR BY:	**A . Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Sediment laden water had breached the ESC on the construction site. The sediment laden water reached the storm drain which ultimately would reach the Elizabeth River.**
CORRECTIVE ACTION:	**The silt fence was repaired and the sediment in the gutter was removed.**
IMPACT TO STATE WATERS:	**Unknown**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

8-5-21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

August 5, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300445

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a sediment runoff from a laydown yard into the storm drain 8/4/2021 10:20 AM. The description of the incident is as follows:

Stormwater staff conducted a routine construction inspection during a significant rain event and noted that sediment laden water from a laydown yard was leaving the site. The sediment laden water reached the storm drain which ultimately could reach the Elizabeth River. The contractor on site was contacted immediately to address the situation. The contractor immediately placed erosion logs in the area to stop the release of sediment off site.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/4/2021 4:02 PM and issued an incident number of 300445.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300445**
REPORT DATE:	**8/4/201 4:02pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment runoff**
LOCATION:	**ILLICIT DISCHARGE- 2125 Kimball Terrace**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**MEB Contracting**
DATE OF DISCHARGE:	**8/4/2021 10:20 am**
DATE/TIME REPORTED:	**8/4/2021 4:02 pm**
REPORTED TO DEQ/DCR BY:	**A . Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Sediment laden water from a laydown yard was leaving the site. The sediment laden water reached the storm drain which ultimately could reach the Elizabeth River**
CORRECTIVE ACTION:	**The contractor on site was contacted immediately to address the situation. The contractor immediately placed erosion logs in the area to stop the release of sediment off site.**
IMPACT TO STATE WATERS:	**Unknown**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

8-5-21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

August 6, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300459

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a water main break that went overboard on 8/5/2021 01:20:00 PM. The description of the incident is as follows:

Storm water inspector Madison White noticed a water main break in the road on W Little Creek Rd in front of 774 W Little Creek Rd (7-Eleven) while driving. The line appeared to have been hit during excavation in that part of the road for an ongoing project, the Department of Utilities was on-scene. The water and any sediment would have outfalled to the Lafayette River. The break has been addressed by Utilities.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/5/2021 03:33:59 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300459**
REPORT DATE:	**8/6/2021 9:25 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**City water and possible sediment**
LOCATION:	**774 W Little Creek Rd**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Unknown company working in the road**
DATE OF DISCHARGE:	**8/5/2021 01:20:00 PM**
DATE/TIME REPORTED:	**8/6/2021 09:25:25 AM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Storm water inspector Madison White noticed a water main break in the road on W Little Creek Rd in front of 774 W Little Creek Rd (7-Eleven) while driving. The amount of time to repair and amount of water discharged are unknown. The line was hit during construction and some of the water was laden with sediment.**
CORRECTIVE ACTION:	**Utilities fixed the line**
IMPACT TO STATE WATERS:	**Lafayette River**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

8/6/21
Date

August 10, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300449

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was sanitary sewer overflow on 8/3/2021 1:00:00 PM. The description of the incident is as follows:

Stormwater staff was notified of a sewage overflow at 6109 E. Virginia Beach Blvd from our F.O.G Manager, Lindsay Dierks. Staff responded to the site and evaluated the situation where there was a backup on private property that flowed into the nearby storm drain. Initially, a notification was sent to the Department of Utilities for reporting to SSORs. Per a discussion between Megan Kies and David Speer, it was decided that Stormwater should report this overflow due to occurring on private property and entering a public storm drain. Stemmle Plumbing Repair, Inc. & Rooter-Man and Guardian Sewer & Drain, Inc. responded to the location to clear the clog, snake the drain, flush the line, and pump sewage from the Stormwater drain.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/5/2021 7:58:14 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	300449
REPORT DATE:	8/10/2021 1:45:00 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE- 6109 E Virginia Beach Blvd
RESPONSIBLE PARTY: ADDRESS& PHONE:	Mike and Jacqueline Palmer 757-560-4997 757-343-7971
DATE OF DISCHARGE:	8/03/2021 1:00:00 PM
DATE/TIME REPORTED:	8/05/2021 7:58:14 AM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified of a sewage overflow at 6109 E. Virginia Beach Blvd from our F.O.G Manager, Lindsay Dierks. Staff responded to the site and evaluated the situation where there was a backup on private property that flowed into the nearby storm drain. Initially, a notification was sent to the Department of Utilities for reporting to SSORs. Per a discussion between Megan Kies and David Speer, it was decided that Stormwater should report this overflow due to occurring on private property and entering a public storm drain.
CORRECTIVE ACTION:	Stemmle Plumbing Repair, Inc. & Rooter-Man and Guardian Sewer & Drain, Inc. responded to the location to clear the clog, snake the drain, flush the line, and pump sewage from the Stormwater drain.
IMPACT TO STATE WATERS:	No

THE CITY OF
NORFOLK
PUBLIC WORKS

August 24, 2021

Virginia Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

Re: VPDES Permit No. VA0088650
Reference ID# 300665

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of non-PCB transformer oil on August 23, 2021 during the overnight hours. The description of the incident is as follows:

VDEM/DEQ notified the City of Norfolk Storm Water staff of an incident reported by Dominion Energy staff. Approximately 56 gallons on non-PCB transformer oil spilled onto the street and into the storm drain after a vehicle hit a power pole. HEPACO was dispatched and an oil boom was placed at the outfall pipe. A vac truck and more booms were used to clean the storm drain. Oil-Dri was used to clean the street.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on August 23, 2021 at approximately 3:45pm.

Please let me know if you have any questions regarding this incident.

Respectfully,

Casey Magruder

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300665**
REPORT DATE:	**8/24/2021 9:11am**
ESTIMATED QUANTITY:	**56 gallons**
TYPE OF DISCHARGE:	**Non-PCB Transformer oil**
LOCATION:	**1140 E. Ocean View Ave.**
RESPONSIBLE PARTY: **ADDRESS& PHONE:**	**Unknown** **Unknown**
DATE OF DISCHARGE:	**8/23/2021 Overnight**
DATE/TIME REPORTED:	**8/23/2021 3:45pm**
REPORTED TO DEQ/DCR BY:	**C. Magruder**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**VDEM/DEQ notified the City of Norfolk Storm Water staff of an incident reported by Dominion Energy staff. Approximately 56 gallons on non-PCB transformer oil spilled onto the street and into the storm drain after a vehicle hit a power pole. The storm drain flows directly into the Chesapeake Bay.**
CORRECTIVE ACTION:	**HEPACO was dispatched and an oil boom was placed at the outfall pipe. A vac truck and more booms were used to clean the storm drain. Oi-dri was used to clean the street. City storm water staff assisted with all follow-up remediation activities. Estimated recovery of 36 gallons of oil.**
IMPACT TO STATE WATERS:	**Chesapeake Bay**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Casey Magruder
Signature

8/24/21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

September 15, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300857

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of gasoline on 9/11/2021 1:00:00 PM. The description of the incident is as follows:

Storm water on-call staff was notified of a gasoline spill at the BJ's fueling pump station. A refueling truck overflowed while pumping, which resulted in a spill and approximately 5 gallons entered into the nearest storm drain. BJ's contacted HEPACO to perform remediation on site.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/11/2021 1:20:07 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	300857
REPORT DATE:	9/15/2021 8:45 AM
ESTIMATED QUANTITY:	Approximately 5 gallons
TYPE OF DISCHARGE:	Gasoline
LOCATION:	ILLICIT DISCHARGE- 5820 East Virginia Beach Blvd
RESPONSIBLE PARTY: ADDRESS& PHONE:	BJ's 5820 East Virginia Beach Blvd Norfolk, VA 23502 757-466-1560
DATE OF DISCHARGE:	9/11/2021 1:00:00 PM
DATE/TIME REPORTED:	9/11/2021 1:20:07 PM
REPORTED TO DEQ/DCR BY:	J.Whitehurst
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Storm water on-call staff was notified of a gasoline spill at the BJ's fueling pump station. A refueling truck overflowed while pumping, which resulted in a spill and approximately 5 gallons entered into the nearest storm drain. BJ's contacted HEPACO to perform remediation on site.
CORRECTIVE ACTION:	BJ's contacted HEPACO to perform remediation on site.
IMPACT TO STATE WATERS:	No

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

9/15/21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

September 16, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300874

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sump water on 9/13/2021 12:00:00 PM. The description of the incident is as follows:

Stormwater staff were called to Albano Cleaners at 234 W 22nd Street due to a sanitary backup. The site uses well water to cool their machines. Once the well water goes through there system it is discharged onto a sump that is tied into the sanitary sewer. The sanitary sewer had a blockage that day and the sump pump kicked on and bypassed the water out onto the sidewalk and into a nearby storm drain. The sanitary sewer surcharge was released that afternoon.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/14/2021 at 7:12 am.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**300874**
REPORT DATE:	**9/16/2021 7:22 AM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sump water**
LOCATION:	**ILLICIT DISCHARGE- 234 W 22nd Street**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Albano Cleaners 234 W 22nd Street Norfolk, VA 23517 757-428-3335**
DATE OF DISCHARGE:	**9/13/2021 12:00:00 PM**
DATE/TIME REPORTED:	**9/14/2021 7:12 am**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**The sanitary sewer had a blockage that day and the sump pump kicked on and bypassed the sump water out onto the sidewalk and into a nearby storm drain.**
CORRECTIVE ACTION:	**The City of Norfolk Public Utilities were contacted and the sewer surcharge was released around 2:00 pm that day.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey A Doan
Signature

9-16-21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

September 21, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 300909

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of grease on an unknown date. Storm water staff was notified of illicit discharge on 9/16/2021 at 9:15:00 AM. The description of the incident is as follows:

Storm water staff was contacted by FOG Specialist Lindsay Dierks regarding an overflow of a grease trap. Upon further investigation it was noted that the grease had entered the nearest storm drain and traveled. Storm water staff tracked the discharge to a neighboring drop inlet, and a boom was placed to prevent any further movement in the system. The Manager on Duty at Waterside, Chris Bartnik, was issued a Notice of Violation. Mr. Bartnik contacted MDM Septic Services to provide spill remediation and storm water staff waited on site until MDM arrived and began the remediation process. Storm water inspectors reinspected the following day and removed a small amount of sheen from 2 drop inlets with absorbent pads. Staff reinspected all areas affected, and the site was clear.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/16/2021 2:36:26 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	300909
REPORT DATE:	9/21/2021 2:22 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Grease
LOCATION:	ILLICIT DISCHARGE- 333 Waterside Drive
RESPONSIBLE PARTY: ADDRESS& PHONE:	Waterside Chris Bartnik, Manager 333 Waterside Drive Norfolk, VA 23510
DATE OF DISCHARGE:	9/16/2021 9:15:00 AM
DATE/TIME REPORTED:	9/16/2021 2:36:26 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	Online Prep
DESCRIPTION OF DISCHARGE:	Storm water staff was contacted by FOG Specialist Lindsay Dierks regarding an overflow of a grease trap. Upon further investigation it was noted that the grease had entered the nearest storm drain and traveled. Storm water staff tracked the discharge to a neighboring drop inlet, and a boom was placed to prevent any further movement in the system. The Manager on Duty at Waterside, Chris Bartnik, was issued a Notice of Violation. Mr. Bartnik contacted MDM Septic Services to provide spill remediation and storm water staff waited on site until MDM arrived and began the remediation process. Storm water inspectors reinspected the following day and removed a small amount of sheen from 2 drop inlets with absorbent pads. Staff reinspected all areas affected, and the site was clear.
CORRECTIVE ACTION:	MDM Septic Services provided spill remediation and a Notice of Violation was issued to Chris Bartnik (Manager at Waterside)
IMPACT TO STATE WATERS:	No

THE CITY OF NORFOLK
PUBLIC WORKS

September 28, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301020

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sediment laden water on 9/24/2021 at 11:00:00 AM. The description of the incident is as follows:

Storm water staff observed staff from P&M Construction performing utility work in the right of way and dewatering sediment laden water into the street. Staff from P&M Construction was instructed to turn off the dewatering pump, and to install a sediment bag on the end of the hose. I spoke with the staff on site and the Supervisor Joe Samontoe via phone and instructed that the pump could not be turned back on until appropriate control measures had been installed. A sediment bag was installed and moved to a grassy area.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/24/2021 2:23:46 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	301020
REPORT DATE:	9/28/2021 8:45 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sediment laden water
LOCATION:	ILLICIT DISCHARGE- 15th View Street and HRBT exit ramp
RESPONSIBLE PARTY: ADDRESS& PHONE:	P&M Construction Joe Samontoe 757-285-3187
DATE OF DISCHARGE:	9/24/2021 11:00:00 AM
DATE/TIME REPORTED:	9/24/2021 2:23:46 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Storm water staff observed staff from P&M Construction performing utility work in the right of way and dewatering sediment laden water into the street. Staff from P&M Construction was instructed to turn off the dewatering pump, and to install a sediment bag on the end of the hose. I spoke with the staff on site and the Supervisor Joe Samontoe via phone and instructed that the pump could not be turned back on until appropriate control measures had been installed. A sediment bag was installed and moved to a grassy area.
CORRECTIVE ACTION:	A sediment bag was installed for dewatering to continue.
IMPACT TO STATE WATERS:	Yes-Willoughby Bay

THE CITY OF NORFOLK
PUBLIC WORKS

September 28, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301002

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sewage on 9/23/2021 at 2:15:00 PM. The description of the incident is as follows:

Storm water staff was contacted by property management at 6267 Sewells Point Road over a sanitary sewer overflow. After an investigation, the main sanitary sewer line that runs underneath Sewells Point Road was surcharged. This surcharged line was the cause of the sanitary sewer overflow onto private property. City of Norfolk Utilities was notified and broke the blockage on the line and provided remediation for the sewage material on the ground.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/23/2021 3:29:08 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	301002
REPORT DATE:	9/28/2021 9:30 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE- 6267 Sewells Point Road
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk Department of Utilities David Speer 1316 Ballentine Blvd Norfolk, VA 23504
DATE OF DISCHARGE:	9/23/2021 2:15:00 PM
DATE/TIME REPORTED:	9/23/2021 3:29:08 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Storm water staff was contacted by property management at 6267 Sewells Point Road over a sanitary sewer overflow. After an investigation, the main sanitary sewer line that runs underneath Sewells Point Road was surcharged. This surcharged line was the cause of the sanitary sewer overflow onto private property. City of Norfolk Utilities was notified and broke the blockage on the line and provided remediation for the sewage material on the ground.
CORRECTIVE ACTION:	City of Norfolk Utilities was notified and broke the blockage on the line and provided remediation for the sewage material on the ground.
IMPACT TO STATE WATERS:	Yes-Lafayette River

THE CITY OF NORFOLK
PUBLIC WORKS

September 24, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301012

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a grease spill that entered the storm drain and the Apple Retail BMP on 9/23/2021 2:10:00 PM. The description of the incident is as follows:

Storm water staff was called by the FOG specialist and informed that there was grease spilled or overflowed from a 50-gallon drum being used by one of the restaurants off of Premium Outlets Blvd at 6290 Northampton Blvd. Grease flowed into the parking lot and entered the BMP through a storm drain, but did not reach the outfall of the BMP. HEPACO was called by the property manager Nate Baum of Apple Retail. They cleaned the parking lot, drain, and pond. Stormwater is meeting with property management in the coming week to work on avoiding future spills after this reoccurrence.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/24/2021 07:42:46 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	301012
REPORT DATE:	9/24/2021 2:25 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Used cooking oil
LOCATION:	ILLICIT DISCHARGE- 6290 Northampton
RESPONSIBLE PARTY: ADDRESS& PHONE:	Unknown – Property Manager is Nate Baum of Apple Retail
DATE OF DISCHARGE:	9/23/2021 02:10:00 PM
DATE/TIME REPORTED:	9/24/2021 07:42:46 AM
REPORTED TO DEQ/DCR BY:	M. White
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Storm water staff was called by the FOG specialist and informed that there was grease spilled or overflowed from a 50-gallon drum being used by one of the restaurants off of Premium Outlets Blvd at 6290 Northampton Blvd. Grease flowed into the parking lot and entered the BMP through a storm drain, but did not reach the outfall of the BMP.
CORRECTIVE ACTION:	HEPACO was called by the property manager Nate Baum of Apple Retail. They cleaned the parking lot, drain, and pond. Stormwater is meeting with property management in the coming week to work on avoiding future spills after this reoccurrence. Wayne Creek
IMPACT TO STATE WATERS:	None

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

THE CITY OF NORFOLK
PUBLIC WORKS

October 6, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301110

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sewage on 10/04/2021 at 2:20:00 PM. The description of the incident is as follows:

Storm water staff observed a sewage overflow from a cleanout on NRHA property into the nearest City storm drain. Rick O'Neal from NRHA was notified of the issue and stormwater staff was notified and reinspected the site on 10/5/2021 to ensure that an overflow was not still occurring.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 10/04/2021 3:20:21 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**301110**
REPORT DATE:	**10/6/2021 9:55 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**ILLICIT DISCHARGE- 203 East Virginia Beach Blvd**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**NRHA Rick O'Neal 910 Ballentine Blvd Norfolk, VA 23501 757-615-9562**
DATE OF DISCHARGE:	**10/04/2021 2:20:00 PM**
DATE/TIME REPORTED:	**10/04/2021 3:20:21 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Storm water staff observed a sewage overflow from a clean out on NRHA property into the nearest City storm drain. Rick O'Neal from NRHA was notified of the issue and stormwater staff was notified and reinspected the site on 10/5/2021 to ensure that an overflow was not still occurring.**
CORRECTIVE ACTION:	**NRHA addressed sanitary sewer overflow.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Chrissi VanDeer
Signature

10/6/21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

October 7, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301168

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of concrete wash water into a stormdrain on October 7, 2021 at 9:15am. The description of the incident is as follows:

Storm water staff was contacted by the Chief Park Ranger with the City of Norfolk regarding concrete wash water being dumped into a stormdrain near Lake Whitehurst. After further investigation, it was determined that the concrete contractor crew was washing their tools with a garden hose directly over the stormdrain. They were immediately asked to stop the practice by personnel with public utilities that happened to be driving by. After I arrived on site, a Notice of Violation was issued and a discussion as to what needs to happen to clean up the site. The concrete wash water was contained within the stormdrain and did not enter Lake Whitehurst. The contractor returned to the site around 1:00 pm with a vactor truck and removed all the standing wash water from the storm drains and along the gutter. See attached photos. No further action was required.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 10/7/2021 at 2:34pm.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**301168**
REPORT DATE:	**10/7/2021 3:00 pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Concrete wash water**
LOCATION:	**ILLICIT DISCHARGE- 2400 Everglades Road**
RESPONSIBLE PARTY: ADDRESS& PHONE:	Luke McGhee McGhee's Concrete 1401 Precon Drive Chesapeake, VA 23320 757-802-6099
DATE OF DISCHARGE:	**10/7/2021 9:15 am**
DATE/TIME REPORTED:	**10/7/2021 2:34 pm**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Illicit discharge of concrete wash water down a storm drain. All persons involved were issued a Notice of Violation. The concrete wash water was contained within the stormdrain.**
CORRECTIVE ACTION:	**The stormdrains were vactored along with the gutter.**
IMPACT TO STATE WATERS:	**There was no impact to state waters.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey L. Doan
Signature

10-7-21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

October 11, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301143

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sewage at 1425 Norchester Avenue on 10/6/2021 at 8:10:00 AM. The description of the incident is as follows:

A sanitary sewer overflow into the City's MS4 system was noticed during a site visit to inspect infrastructure with the City of Norfolk Utilities Department. Utilities is working to remedy the situation and started with breaking a clog on the line nearest their pump station.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 10/06/2021 3:06:29 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**301143**
REPORT DATE:	**10/11/2021 10:45 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**ILLICIT DISCHARGE- 1425 Norchester Ave**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Utilities David Speer 1316 Ballentine Blvd Norfolk, VA 23504**
DATE OF DISCHARGE:	**10/06/2021 8:10:00 AM**
DATE/TIME REPORTED:	**10/06/2021 3:06:29 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**A sanitary sewer overflow into the City's MS4 system was noticed during a site visit to inspect infrastructure with the City of Norfolk Utilities Department. Utilities is working to remedy the situation and started with breaking a clog on the line nearest their pump station.**
CORRECTIVE ACTION:	**City of Norfolk Utilities Department is working to resolve this issue.**
IMPACT TO STATE WATERS:	**Yes**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

10/11/21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

October 14, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301201

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sediment laden water on 10/11/2021 at 10:00:00 AM located at 0 Kimball Loop. The description of the incident is as follows:

Storm water staff were investigating a grass channel BMP that was located within the Ohio Creek Watershed Project, and noted a release of sediment upstream from a dewatering practice. There was a breach in the constructed sediment trap that led to sediment laden water entering the downstream BMP. Staff notified the Project Engineer Elisabeth Powell from MEB group about what was needed to bring the site back into compliance. Storm water staff reinspected the site on 10/12/2021 with an onsite meeting between multiple City divisions and MEB staff. The dewatering effort had been moved to an adjacent area, a sediment bag was installed, as well as allowing the water to infiltrate over riprap. City staff instructed the movement of the bag from the nearby wetlands, and a small amount of sediment was discharged at this time.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 10/12/2021 9:51:07 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	301201
REPORT DATE:	10/14/2021 11:07 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sediment laden water
LOCATION:	ILLICIT DISCHARGE- 0 Kimball Loop
RESPONSIBLE PARTY: ADDRESS& PHONE:	MEB Group Elisabeth Powell 757-409-8758
DATE OF DISCHARGE:	10/11/2021 10:00:00 AM
DATE/TIME REPORTED:	10/12/2021 9:57:07 AM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Storm water staff were investigating a grass channel BMP that was located within the Ohio Creek Watershed Project, and noted a release of sediment upstream from a dewatering practice. There was a breach in the constructed sediment trap that led to sediment laden water entering the downstream BMP. Staff notified the Project Engineer Elisabeth Powell from MEB group about what was needed to bring the site back into compliance. Storm water staff reinspected the site on 10/12/2021 with an onsite meeting between multiple City divisions and MEB staff. The dewatering effort had been moved to an adjacent area, a sediment bag was installed, as well as allowing the water to infiltrate over riprap. City staff instructed the movement of the bag from the nearby wetlands, and a small amount of sediment was discharged at this time.
CORRECTIVE ACTION:	The dewatering effort had been moved to an adjacent area, a sediment bag was installed, as well as allowing the water to infiltrate over riprap. City staff instructed the movement of the bag from the nearby wetlands, and a small amount of sediment was discharged at this time.
IMPACT TO STATE WATERS:	Yes-Elizabeth River

THE CITY OF NORFOLK
PUBLIC WORKS

November 4, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR #301436

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was red latex paint that was washed out of a bucket and spilled on the ground that entered the storm drain at 03:00:00 PM November 3, 2021. The description of the incident is as follows:

Storm water inspectors Madison White and Peter Mack noticed red paint mixed with water in the gutter along Cape Henry Ave outside of Steel Services where they were repainting the top of the building. Ricky Leggett Painting had washed out a bucket of paint in the driveway that ran down into the gutter, with continued traffic a small amount made it into the storm drain before it was blocked off with dirt. It appeared that less than a pint of paint was spilled overall and that just a small amount entered the drain. Ricky Leggett and his partner lifted the grate to the storm drain and vacuumed out the water and paint in the basin, it had not appeared to travel any further. They also vacuumed up the remaining paint in the gutter and on the driveway.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/3/2021 03:28:17 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	301436
REPORT DATE:	11/4/2021 7:35 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Latex Paint
LOCATION:	2300 Ingleside Rd
RESPONSIBLE PARTY: ADDRESS& PHONE:	Ricky Leggett Painting 152 Haven Dr, VA 23503
DATE OF DISCHARGE:	11/3/2021 03:00:00 PM
DATE/TIME REPORTED:	11/3/2021 03:28:17 PM
REPORTED TO DEQ/DCR BY:	M. White
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Storm water inspectors Madison White and Peter Mack noticed red paint mixed with water in the gutter along Cape Henry Ave outside of Steel Services where they were repainting the top of the building. Ricky Leggett Painting had washed out a bucket of paint in the driveway that ran down into the gutter, with continued traffic a small amount made it into the storm drain before it was blocked off with dirt. It appeared that less than a pint of paint was spilled overall and that just a small amount entered the drain.
CORRECTIVE ACTION:	Ricky Leggett and his partner lifted the grate to the storm drain and vacuumed out the water and paint in the basin, it had not appeared to travel any further. They also vacuumed up the remaining paint in the gutter and on the driveway.
IMPACT TO STATE WATERS:	No

THE CITY OF NORFOLK
PUBLIC WORKS

November 5, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301454

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of pressure washing wastewater on 11/04/2021 at 4:00:00 PM located at 1301 N Military Highway. The description of the incident is as follows:

Storm water staff, Peter Mack, observed employee's from Libbey's Pressure Washing pressure washing the parking lot. Mr. Mack addressed the issue with the employee's and pressure washing ceased. Employee's from Libbey's Pressure Washing were informed that wastewater is required to be recovered and not to enter the storm drains. Pressure washing wastewater did appear to enter the nearest storm drains.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/05/2021 9:13:25 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**301454**
REPORT DATE:	**11/05/2021 9:27:00 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Pressure washing wastewater**
LOCATION:	**ILLICIT DISCHARGE- 1301 N Military Highway**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Libbey's Pressure Washing Brandon Libbey 1840 Aquamarine Drive Virginia Beach, VA 23456 757-401-1241**
DATE OF DISCHARGE:	**11/04/2021 4:00:00 PM**
DATE/TIME REPORTED:	**11/05/2021 9:13:25 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Storm water staff, Peter Mack, observed employee's from Libbey's Pressure Washing pressure washing the parking lot. Pressure washing wastewater did appear to enter the nearest storm drains.**
CORRECTIVE ACTION:	**Mr. Mack addressed the issue with the employee's and pressure washing ceased. Employee's from Libbey's Pressure Washing were informed that wastewater is required to be recovered and not to enter the storm drains.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Chrissi VanLear 11/5/21

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

November 9, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301488

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a discharge of a mixture of grease, flour, and water to the stormwater system on 11/8/2021 11:00:00 AM. The description of the incident is as follows:

The Stormwater office got a call from the FOG specialist (Lindsay Dierks) regarding Captain D's washing out their kitchen. The mixture of water, flour, and grease was washed out of their door and then they used a hose to spray it into the street where it ran into a storm drain. Upon investigation, the drain was clogged, and it did not travel beyond the affected catch basin. The regional manager Joe Guido was issued a NOV and he and his maintenance supervisor contacted Atlantic Heating and Cooling who cleaned out the basin and pipe. He was warned that any future violations at this site would be an automatic summons given that this is a repeat occurrence. The puddles and remnants were still left on the curb line and in their driveway which Captain D's staff cleaned up by putting down absorbent and shoveling it up.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/8/2021 03:09:52 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	301488
REPORT DATE:	11/9/2021 3:30 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Cooking oil, flour
LOCATION:	116 E 21st St Norfolk, VA 23517
RESPONSIBLE PARTY: ADDRESS& PHONE:	Captain D's (Joe Guido), 116 E 21st St, 901-359-6792
DATE OF DISCHARGE:	11/8/2021 11:00:00 AM
DATE/TIME REPORTED:	11/8/2021 03:09:52 PM
REPORTED TO DEQ/DCR BY:	M. White
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	The Stormwater office got a call from the FOG specialist (Lindsay Dierks) regarding Captain D's washing out their kitchen. The mixture of water, flour, and grease was washed out of their door and then they used a hose to spray it into the street where it ran into a storm drain. Upon investigation, the drain was clogged, and it did not travel beyond the affected catch basin.
CORRECTIVE ACTION:	Joe Guido was issued a NOV and he and his maintenance supervisor contacted Atlantic Heating and Cooling who cleaned out the basin and pipe. The puddles and remnants were still left on the curb line and in their driveway which Captain D's staff cleaned up by putting down absorbent and shoveling it up.
IMPACT TO STATE WATERS:	

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my

THE CITY OF NORFOLK
PUBLIC WORKS

November 29, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301636

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a hydraulic spill from a garbage truck onto the street and in the valley gutter 11/24/21 12:00:00 PM. The description of the incident is as follows:

Waste Management called in the hydraulic spill to environmental staff at 12 pm. Spill had already been contained and they had put down 7 bags of absorbent and HEPACO had been called. Upon inspection, hydraulic fluid was contained to the street and gutter and was cleaned up by HEPACO, HEPACO was on-site at 1 pm and performed remediation. The truck was towed away to be fixed.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/24/2021 03:01:35 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**301636**
REPORT DATE:	**11/24/2021 12:40 PM**
ESTIMATED QUANTITY:	**35 gallons**
TYPE OF DISCHARGE:	**Hydraulic fluid**
LOCATION:	**ILLICIT DISCHARGE- 8056 West Glen Rd**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Waste Management 1176 Pineridge Road, Norfolk, VA 23502 757-664-6510**
DATE OF DISCHARGE:	**11/24/2021 12:00:00 PM**
DATE/TIME REPORTED:	**11/24/2021 03:01:35 PM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Waste Management called in the hydraulic spill to environmental staff at 12 pm. Spill had already been contained and they had put down 7 bags of absorbent and HEPACO had been called..**
CORRECTIVE ACTION:	**Upon inspection, hydraulic fluid was contained to the street and gutter and was cleaned up by HEPACO, HEPACO was on-site at 1 pm and performed remediation. The truck was towed away to be fixed.**
IMPACT TO STATE WATERS:	**None**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

11/29/21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

November 29, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301637

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that environmental staff discovered stone saw-cutting washout on the street, sidewalk, and in the closest catch basin at 2:45 pm 11/24/21. The description of the incident is as follows:

Seven Cities Stoneworks was discharging their saw cutting washout into the sanitary system. The system backed up and the sawcut material and associated water was discharged from the cleanout onto the sidewalk and into the street where it ran the length of the street to the nearest catch basin. They were also discharging out of a window onto the sidewalk via a hose. Based on the condition of the catch basin, this had been going on for a long time (5+ years?). An NOV was issued to Seven Cities Stoneworks owner Ryan Dunigan. The owner of the business (as of July '21), Ryan Dunigan, was very cooperative and stopped work immediately. He called First Atlantic Environmental to perform the remediation, they vacuumed and pressure-washed the fine particulates out of the street and sidewalk (recapturing with the vac truck), they also subcontracted MDM Septic to clean the catch basin and pipe up to 50 ft from the box culvert to the best of their ability (considering the material, some of it is hardened and impossible to remove without damaging the pipe). The catch basin connects directly to one of the twin 48"x72" box culverts on 11th St that discharge directly into the Hague. A plumber was also on-site to close off the drain to the sanitary system. They will be meeting with the City of Norfolk Department of Utilities to address getting a self-contained system or a permit to discharge.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/24/2021 03:15:52 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

VPDES PERMIT NO. VA0088650

INCIDENT NO:	301637
REPORT DATE:	11/30/2021 7:30 PM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Saw cutting washout
LOCATION:	ILLICIT DISCHARGE- 1022 Granby St
RESPONSIBLE PARTY: ADDRESS& PHONE:	Ryan Dunigan, Seven Cities Stoneworks 1022 Granby St 757-533-5333
DATE OF DISCHARGE:	Unknown, discovered 2:45 pm 11/24/21
DATE/TIME REPORTED:	11/24/2021 03:15:52 PM
REPORTED TO DEQ/DCR BY:	M. White
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Seven Cities Stoneworks was discharging their saw cutting washout into the sanitary system. The system backed up and the sawcut material and associated water was discharged from the cleanout onto the sidewalk and into the street where it ran the length of the street to the nearest catch basin. They were also discharging out of a window onto the sidewalk via a hose. Based on the condition of the catch basin, this had been going on for a long time (5+ years?).
CORRECTIVE ACTION:	An NOV was issued to Seven Cities Stoneworks owner Ryan Dunigan. The owner of the business (as of July '21), Ryan Dunigan, was very cooperative and stopped work immediately. He called First Atlantic Environmental to perform the remediation, they vacuumed and pressure-washed the fine particulates out of the street and sidewalk (recapturing with the vac truck), they also subcontracted MDM Septic to clean the catch basin and pipe up to 50 ft from the box culvert to the best of their ability (considering the material, some of it is hardened and impossible to remove without damaging the pipe).
IMPACT TO STATE WATERS:	The Hague

THE CITY OF NORFOLK
PUBLIC WORKS

November 30, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301664

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that environmental staff discovered sediment laden water from discharge hose entering gutter pan and catch basin at 12:00 pm on 11/29/21. The description of the incident is as follows:

The City of Norfolk was dispatched to investigate muddy water entering a storm drain. Upon arrival, Mastec was pumping sediment laden water from a manhole into a sediment bag. The hose became disconnected, and the sediment laden water bypassed the sediment bag and entered the gutter pan. The sediment laden water traveled down the gutter pan and entered the catch basin located at W 25th Street and Morton Avenue. Mastec personnel immediately shut off the pump and began cleanup. Within the hour, Mastec began vactoring the gutter pan and storm drain. The sediment did not migrate beyond the one catch basin. By 3:00 pm the sediment had been removed from the gutter pan and the catch basin.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/29/2021 at 02:21 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**301664**
REPORT DATE:	**11/30/2021 8:53 am**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sediment laden groundwater**
LOCATION:	**ILLICIT DISCHARGE- W 24th Street between Killam and Morton**
RESPONSIBLE PARTY:	**Thomas Green**
ADDRESS& PHONE:	**Mastec, 3769 S Military Highway, Chesapeake, VA 23323 540-809-4680**
DATE OF DISCHARGE:	**11/29/2021 at 12:00 pm**
DATE/TIME REPORTED:	**11/29/2021 2:21 pm**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Mastec was pumping sediment laden water from a manhole into a sediment bag. The hose became disconnected, and the sediment laden water bypassed the sediment bag and entered the gutter pan. The sediment laden water traveled down the gutter pan and entered the catch basin located at W 25th Street and Morton Avenue.**
CORRECTIVE ACTION:	**Mastec personnel immediately shut off the pump and began cleanup. Within the hour, Mastec began vactoring the gutter pan and storm drain. The sediment did not migrate beyond the one catch basin. By 3:00 pm the sediment had been removed from the gutter pan and the catch basin.**
IMPACT TO STATE WATERS:	**None**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

11/30/21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

December 14, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 301817

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that about 25 gallons of hood vent wash water that included a heavy concentration of lye was discovered in the gutter of 22nd St 12/13/2021 01:00:00 PM. The description of the incident is as follows:

City of Norfolk FOG Inspector Lindsay Dierks discovered a potential grease spill in the gutter. Upon further investigation, it was wash water (containing lye) from the overnight cleaning of Katana Japanese Steakhouse & Sushi Restaurant's hood vents by Word of Mouth Hood Vent Service (estimated 3:25 am). The owner of the Hood Vent Service (Ray) used a steam cleaner and vacuum to neutralize and clean up the spill between 11 pm 12/13 and 3 am 12/14. The site of the spill was re-inspected by Stormwater 12/14/21 and everything had been cleaned up.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 12/14/2021 08:19:41 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**301817**
REPORT DATE:	**12/14/2021 3:35 PM**
ESTIMATED QUANTITY:	**25 gallons**
TYPE OF DISCHARGE:	**Wash water w/ lye and grease**
LOCATION:	**ILLICIT DISCHARGE- 501 W 21st St**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Word of Mouth Hood Vent Service 757-567-3491**
DATE OF DISCHARGE:	**12/13/2021 03:25:00 AM**
DATE/TIME REPORTED:	**12/14/2021 08:19:41 AM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**City of Norfolk FOG Inspector Lindsay Dierks discovered a potential grease spill in the gutter. Upon further investigation, it was wash water (containing lye) from the overnight cleaning of Katana Japanese Steakhouse & Sushi Restaurant's hood vents by Word of Mouth Hood Vent Service (estimated 3:25 am).**
CORRECTIVE ACTION:	**The owner of the Hood Vent Service (Ray) used a steam cleaner and vacuum to neutralize and clean up the spill between 11 pm 12/13 and 3 am 12/14. The site of the spill was re-inspected by Stormwater 12/14/21 and everything had been cleaned up.**
IMPACT TO STATE WATERS:	**None**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

12/14/21
Date

THE CITY OF NORFOLK
PUBLIC WORKS

January 7, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 302225

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that environmental staff discovered sediment laden water discharging from a construction site and entering a drainage ditch at 2:30 pm on 01/205/2022. The description of the incident is as follows:

During a routine inspection of the construction site at the Riverside Station Apartments located between Curlew and Sellger Drive, it was noted that sediment laden water was entering a drainage ditch. The superintendent on site was quickly notified. We did not find any E&S measures that were breached, so further investigation was warranted to find where the sediment was coming from. It was determined that an abandoned stormwater pipe on site had collapsed or cracked and the dirt from the surface was leaching through the pipe due to the heavy rains. A temporary check dam was established in the ditch approximately 10 feet in front of the pipe. The next morning, the contractor sealed off the pipe with brick and mortar. I returned to the site on January 6, 2022, at 2:00pm and the pipe was sealed, and the ditch was clear of sediment.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 01/05/2022 at 03:28 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**302225**
REPORT DATE:	**January 7, 2022 7:20 am**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sediment laden runoff from construction site during heavy rains**
LOCATION:	**Riverside Station Apartments between Curlew Drive and Sellger Drive, Norfolk, VA**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Rick Hughes, Merlin Development 757-435-3580**
DATE OF DISCHARGE:	**01/05/2022 2:30pm**
DATE/TIME REPORTED:	**01/05/2022 3:28 pm**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Sediment laden runoff entered a nearby ditch during a heavy rain event.**
CORRECTIVE ACTION:	**A temporary check dam was installed. The next day the pipe was sealed to prevent any other incidences.**
IMPACT TO STATE WATERS:	**Yes, drainage ditch which leads to the Elizabeth River. A sediment plume was noted.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan — Signature

1-7-2022 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

January 7, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 302131

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that environmental staff discovered sediment laden runoff discharging from a construction site during a significate rain event (2") and entering a stormdrain and discharging into Little Creek. This occurred at 1:30 pm on 01/03/2022. The description of the incident is as follows:

The City of Norfolk received a citizen complaint about street flooding occurring at Pretty Lake Drive and 26th Bay Street. A City vactor truck was dispatched to remove the water from the street. A City stormwater inspector arrived on site and verified that a sediment discharge occurred during the winter storm on 1/3/2022. The storm caused tidal flooding at high tide, which overtopped erosion controls, which resulted in the unintentional discharge of sediment into state waters (Little Creek). Corrective measures were discussed with the contractor. The city inspector returned on Friday 1/7/2022 at 10:30 am. All the erosion controls that were damaged during the storm were either repaired or replaced. The additional placement of silt sock and inlet protection will be completed by EOB today. The city inspector is schedule to return to the site on Tuesday to follow-up on the additional erosion control measures.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 01/03/2022 at 02:14 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**302131**
REPORT DATE:	**January 7, 2022 1:30 pm**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sediment laden runoff from construction site during heavy rain and high tides.**
LOCATION:	**Pretty Lake Apts., 4801 Pretty Lake Drive, Norfolk, VA**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Jay Love, Huffman & Co., 15315 Kanis Road, Little Rock, AR 72223 (850)-545-6148**
DATE OF DISCHARGE:	**01/03/2022 1:30pm**
DATE/TIME REPORTED:	**01/03/2022 2:14 pm**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Sediment laden runoff entered state waters (Little Creek) during a heavy rain and high tide event.**
CORRECTIVE ACTION:	**All the erosion controls that were damaged during the storm were either repaired or replaced. The additional placement of silt sock and inlet protection will be completed by EOB today 1/7/2022.**
IMPACT TO STATE WATERS:	**Yes, Little Creek. A sediment plume was noted during the rain event.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

1-7-2022
Date

THE CITY OF NORFOLK
PUBLIC WORKS

January 12, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 302279

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that about 5 gallons of wash water was discovered in the gutter of the parking lot at the Wawa located at 3360 E Princess Anne Road on 1/6/2022 at 11:00 am. The description of the incident is as follows:

City of Norfolk FOG Inspector Lindsay Dierks discovered a potential grease spill in the gutter. Upon further investigation, it was wash water from the overnight pressure washing of the storage area and grease bin. The wash water did enter the storm drain but was contained on site between two basins. The Wawa manager called out their environmental contractor and vactored out the basin. Upon reinspection, it was discovered that the contractor did not clean one of the basins. They were called out again on Monday and vactored and cleaned the basin and pipes between the two basins. The cleanup was completed on Monday 1/10/2022 by 3:00 pm. No further investigation was warranted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 1/6/2022 3:12 pm.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**302279**
REPORT DATE:	**1/12/2022 7:30 am**
ESTIMATED QUANTITY:	**5 gallons**
TYPE OF DISCHARGE:	**Wash water w/grease**
LOCATION:	**ILLICIT DISCHARGE- Wawa, 3360 E Princess Anne Road, Norfolk, VA 23502**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Wawa, Andy Adams, 3360 E Princess Anne Road, Norfolk, VA 23502**
DATE OF DISCHARGE:	**1/6/2022 11:00 am**
DATE/TIME REPORTED:	**1/6/2022 3:12 pm**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**wash water from the overnight pressure washing of the storage area and grease bin.**
CORRECTIVE ACTION:	**The Wawa manager called out their environmental contractor and vactored out the basin. Upon reinspection, it was discovered that the contractor did not clean one of the basins. They were called out again on Monday and vactored and cleaned the basin and pipes between the two basins. The cleanup was completed on Monday 1/10/2022 by 3:00 pm**
IMPACT TO STATE WATERS:	**None**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

1-12-2022
Date

THE CITY OF NORFOLK
PUBLIC WORKS

January 12, 2021

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 302376

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 5 gallons of motor oil (presumedly) was dumped into Oastes Creek. The description of the incident is as follows:

Lions Club members were cleaning up their Adopt-A-Spot at Oastes Creek on Saturday 1/8/22 when they spotted what looked like motor oil in the creek. The Storm Water office was notified Monday night and investigated first thing Tuesday morning. There were about five gallons of emulsified oil in and around the pipe entrance going under Granby St. It did not appear to travel any further (would have outfalled directly to Mason's Creek). Based on the lack of staining and other evidence, it appears that the oil was dumped directly into the creek. The responsible party is unknown. HEPACO was called and blocked off either end of the pipe to prevent the oil traveling and performed remediation. The site will continue to be monitored.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 1/11/2022 1:26:19 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**302376**
REPORT DATE:	**1/12/2022 10:55 AM**
ESTIMATED QUANTITY:	**5 gallons**
TYPE OF DISCHARGE:	**Motor Oil**
LOCATION:	**ILLICIT DISCHARGE- 8918 Granby St**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**unknown**
DATE OF DISCHARGE:	**unknown**
DATE/TIME REPORTED:	**1/11/2022 1:26:19 PM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**There were about five gallons of emulsified oil in and around the pipe entrance going under Granby St. It did not appear to travel any further (would have outfalled directly to Mason's Creek). Based on the lack of staining and other evidence, it appears that the oil was dumped directly into the creek.**
CORRECTIVE ACTION:	**HEPACO was called and blocked off either end of the pipe to prevent the oil traveling and performed remediation. The site will continue to be monitored.**
IMPACT TO STATE WATERS:	**Oastes Creek**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

1/12/22
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

February 10, 2022

Virginia Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

Re: VPDES Permit No. VA0088650
Reference ID# 303071

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of plaster into a storm drain on February 8, 2022. The description of the incident is as follows:

Staff was notified of a storm drain containing approximately 1 gallon of plaster at 4500 Granby Street on February 8, 2022 at approximately 3:30pm. The product was contained to the basin due to a blockage in the adjacent pipe. A City vactor truck was dispatched to the scene, and the basin and pipes were cleaned. No waterways were affected.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on February 9, 2022 at approximately 7:30am.

Please let me know if you have any questions regarding this incident.

Respectfully,

Casey Magruder

Casey Magruder
Environmental Programs Manager

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**303071**
REPORT DATE:	**2/10/2022 8:30am**
ESTIMATED QUANTITY:	**1 gallon**
TYPE OF DISCHARGE:	**Plaster**
LOCATION:	**4200 Granby Street**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Unknown**
DATE OF DISCHARGE:	**2/8/2022 3:30pm**
DATE/TIME REPORTED:	**2/9/2022 7:30am**
REPORTED TO DEQ/DCR BY:	**C. Magruder**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Staff notified of plaster dumped into storm drain.**
CORRECTIVE ACTION:	**City vactor truck was dispatched and cleaned the structure and adjacent pipes.**
IMPACT TO STATE WATERS:	**None.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Casey Magruder
Signature

2/10/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

February 17, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 303155

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sanitary sewage on 02/14/2022 at 3:00 PM. The description of the incident is as follows:

Storm water staff observed a sewage overflow coming from a clean out on NRHA property into the nearest City storm drain. Brandon Banks from NRHA was notified of the issue. Stormwater staff was notified of the repair and the site was reinspected on 02/15/2022 to ensure that an overflow was still not occurring.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 02/14/2022 at 3:35 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**303155**
REPORT DATE:	**02/17/2022**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**ILLICIT DISCHARGE- Calvart Square at Bagnall Road and Chapel Street**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**NRHA – Brandon Banks 910 Ballentine Boulevard PO Box 968 | Norfolk, VA 23501 757-314-1656**
DATE OF DISCHARGE:	**02/14/2022 3:00 pm**
DATE/TIME REPORTED:	**02/14/2022 3:35 pm**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Storm water staff noticed a sanitary sewer overflow during a drive by. The SSO has reached our storm drain. Quantity is unknown.**
CORRECTIVE ACTION:	**Brandon Banks from NRHA was notified of the issue. Stormwater staff was notified of the repair and the site was reinspected on 02/15/2022 to ensure that an overflow was still not occurring.**
IMPACT TO STATE WATERS:	**unknown**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

2/17/2022
Date

THE CITY OF NORFOLK
PUBLIC WORKS

February 24, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 303356

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 75 gallons of greasy pressure washing washwater was spilled onto 22nd St behind the Moe's at 520 W 21st St. The description of the incident is as follows:

There was a grease spill around Moe's grease container on the other side of 22nd St on Tuesday. Moe's had contracted SteamProva to clean it up overnight. Early Wednesday morning (1:30-2 AM) they pressure washed the sidewalk instead of the parking lot where the container is and left all the washwater in the gutter of the street. Steam Pro was called back out to clean up the wastewater in the street and sucked up all the contaminated water by 3 PM Wednesday. None of the washwater reached a storm drain. Moe's grease issue was cleaned up overnight Wednesday night.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/23/2022 1:35:57 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**303356**
REPORT DATE:	**2/24/2022 8:00 AM**
ESTIMATED QUANTITY:	**75 gallons**
TYPE OF DISCHARGE:	**Washwater**
LOCATION:	**ILLICIT DISCHARGE- 501 W 21st St**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Steam Pro VA 2713 Sonic Drive, Virginia Beach, VA 23453**
DATE OF DISCHARGE:	**2/23/22 1:30:00 AM**
DATE/TIME REPORTED:	**2/23/2022 01:35:57 PM**
REPORTED TO DEQ/DCR BY:	**M.White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**There was a grease spill around Moe's grease container on the other side of 22nd St on Tuesday. Moe's had contracted SteamProva to clean it up overnight. Early Wednesday morning (1:30-2 AM) they pressure washed the sidewalk instead of the parking lot where the container is and left all the wastewater in the gutter of the street.**
CORRECTIVE ACTION:	**Steam Pro was called back out to clean up the washwater in the street and sucked up all the contaminated water by 3 PM Wednesday. None of the washwater reached a storm drain.**
MPACT TO STATE WATERS:	**N/A**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

2/24/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

March 16, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 303686

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that what appears to be greater than 25 gallons of wash water was discovered in the curb line and parking lot of Jose Tequilas Mexican Grill and Bar located at 1108 E Little Creek Road on 3/15/2022 at 11:30 am. The description of the incident is as follows:

Stormwater staff was notified by FOG Manager, Lindsey Dierks, of a spill of wash water from Jose Tequilas on March 15th. Peter Mack investigated and found the restaurant had their hood vents serviced overnight on March 14th. Staff investigated and found remnants of wash water in the parking lot and curb line. The Night Clean Company, who completed the hood maintenance returned to the site and provided remediation. The wash water in the curb line was vactored up, and the remnants from the parking lot where there was standing water (no oil sheen or smell was present) were moved over to a well vegetated area for filtering. Stormwater staff remained on site until spill was remediated. No storm drains were impacted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 3/16/2022 8:20 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	303686
REPORT DATE:	3/16/2022 9:14 AM
ESTIMATED QUANTITY:	Approximately 30 gallons
TYPE OF DISCHARGE:	Wash water with grease
LOCATION:	ILLICIT DISCHARGE- Jose Tequilas, 1108 E Little Creek Road, Norfolk, VA 23518
RESPONSIBLE PARTY: ADDRESS& PHONE:	Jose Tequilas Mexican Grill and Bar- Javier 1108 E Little Creek Road Norfolk, VA 23518 757-588-8014 The Night Clean Company 3501 Clydewood Ave Richmond, VA 23234
DATE OF DISCHARGE:	3/15/2022 11:30 AM
DATE/TIME REPORTED:	3/16/2022 8:20 AM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Wash water from the overnight pressure washing of the restaurant hoods.
CORRECTIVE ACTION:	Javier, the Manager from Jose Tequilas had The Night Clean Company return to the site to provide remediation. The wash water in the curb line was vactored up, and the remnants from the parking lot where there was standing water (no oil sheen or smell was present) were moved over to a well vegetated area for filtering.
IMPACT TO STATE WATERS:	None

THE CITY OF NORFOLK
PUBLIC WORKS

March 18, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 303745

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a garbage truck leaked about 1.5 gallons of transmission fluid of which some ended up in the storm drain. The description of the incident is as follows:

A City of Norfolk Waste Management truck had a transmission leak on Johnstons Road in between Sewell's Point Road and Gregory Street (leaked about 3 gallons on the road that went to the gutter (No curb and gutter or storm drains in proximity). The leak was contained, and the mechanic thought the leak was patched. The truck leaked about 1.5 gallons more of transmission fluid on Sewell's Point Road a couple feet before Atterbury St around 8 AM. The second leak was almost directly in front of a storm drain. Fluid entered the catch basin but did not go any further. HEPACO was called and arrived on scene at the storm drain around 10:30 AM. The storm drain and pipe were cleaned and absorbent was used on the oil on the street. HEPACO also used their vactor truck to clean up the spill on Johnstons Road and used absorbent to pick up any tracking and residual.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 3/18/2022 2:21:03 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**303745**
REPORT DATE:	**3/18/2022 3:00 PM**
ESTIMATED QUANTITY:	**1.5 + 3 = 4.5 gallons**
TYPE OF DISCHARGE:	**Transmission fluid**
LOCATION:	**ILLICIT DISCHARGE- 4841 Atterbury St**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Norfolk Waste Management – 1176 Pineridge Road Norfolk, VA 23502 - 7576646510**
DATE OF DISCHARGE:	**3/18/22 8:00:00 AM**
DATE/TIME REPORTED:	**3/18/2022 12:29:25 PM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**The truck leaked about 1.5 gallons more of transmission fluid on Sewell's Point Road a couple feet before Atterbury St around 8 AM. The second leak was almost directly in front of a storm drain. Fluid entered the catch basin but did not go any further.**
CORRECTIVE ACTION:	**HEPACO was called and arrived on scene at the storm drain around 10:30 AM. The storm drain and pipe were cleaned and absorbent was used on the oil on the street.**
IMPACT TO STATE WATERS:	**N/A**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

3/18/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

March 21, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 303749

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that environmental staff discovered sediment laden runoff discharging from a construction site after a significant rain event (2") and entering a stormdrain and discharging into the Elizabeth River. This occurred at 1:30 pm on 03-18-2022. The description of the incident is as follows:

A City stormwater inspector arrived on site at 1:30 pm on 03/18/2022 for a routine storm event inspection. The inspector noted that the contractor was dewatering without a sediment bag, however, they did have 57 stone placed in a pit for filtering. Dewatering was stopped until sediment control measures could be put in place. By end of business day, three sediment bags were installed at the discharge hoses, and a turbidity curtain was placed at the mouth of the outfall to the Elizabeth River. A follow-up inspection occurred at 8:30 am on 03/21/2022, and all measures were in place and functioning properly. There was no evidence of sediment entering the river.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 03/18/2022 at 3:00pm.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**303749**
REPORT DATE:	**March 21, 2022, 1:00pm**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sediment laden runoff from construction site after rain event**
LOCATION:	**602 Ford Drive**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Michael Trautman/Seaward Marine, 602 Ford Drive, Norfolk, VA 757-558-3939**
DATE OF DISCHARGE:	**03/18/2022 1:30 pm**
DATE/TIME REPORTED:	**03/18/2022 3:00 pm**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Sediment laden runoff entered state waters (Elizabeth River) due to lack of sediment control measures.**
CORRECTIVE ACTION:	**All sediment control measures were in place by EOB 03/15/2022. Re-inspection was conducted on 03/21/2022 and all measures were functioning properly, and no sediment was entering the Elizabeth River.**
IMPACT TO STATE WATERS:	**Yes, Elizabeth River. A sediment plume was noted during the site inspection.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

3/21/2022
Date

THE CITY OF NORFOLK
PUBLIC WORKS

March 24, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 303826

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised there was an illicit discharge located at 5957 E. Virginia Beach Blvd, and the date of the actual discharge is unknown. City Stormwater staff was notified of the incident on 3/23/2022 at 12:40 PM. The description of the incident is as follows:

Stormwater staff was notified by FOG Manager, Lindsey Dierks of a grease spill at 5957 E. Virginia Beach Blvd. Upon further investigation it appeared that tenants from this property were illegally dumping their trash and used oil into the stormwater ditch behind the property. The property manager was contacted and hired Accurate Marine Environmental for remediation. The stormwater pipe was clogged therefore the grease did not travel and was removed by remediation staff. Stormwater staff remained on site during the remediation.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 3/23/2022 1:43 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	303826
REPORT DATE:	3/24/2022 9:38 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Wash water with grease
LOCATION:	ILLICIT DISCHARGE- 5957 E. Virginia Beach Blvd
RESPONSIBLE PARTY: ADDRESS& PHONE:	Matt Hybel Senior Property Manager Military Crossing Associates, LC c/o The Cotswold Group, Inc. 550 Mamaroneck Ave., Suite 411 Harrison, NY 10528-1634 914-570-3442
DATE OF DISCHARGE:	3/23/2022 12:40 PM
DATE/TIME REPORTED:	3/23/2022 1:43 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by FOG Manager, Lindsey Dierks of a grease spill at 5957 E. Virginia Beach Blvd. Upon further investigation it appeared that tenants from this property were illegally dumping their trash and used oil into the stormwater ditch behind the property.
CORRECTIVE ACTION:	The property manager was contacted and hired Accurate Marine Environmental for remediation. The stormwater pipe was clogged therefore the grease did not travel and was removed by remediation staff. Stormwater staff remained on site during the remediation.
IMPACT TO STATE WATERS:	None

THE CITY OF
NORFOLK
PUBLIC WORKS

April 1, 2022

Virginia Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

Re: VPDES Permit No. VA0088650
Reference ID# 303921

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Sodium Hydroxide on March 30, 2022. The description of the incident is as follows:

The Norfolk Police Department notified the City of Norfolk Storm Water staff of an incident where approximately 3 gallons of Sodium hydroxide was spilled onto the street, ground, and into the storm drain after the cleaning of a boiler at Jodie's Popcorn. The spill was contained, and the responsible party hired a contractor to clean the area and storm drain. All product was recovered and no waterways were affected.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on March 30, 2022 at approximately 3:38pm.

Please let me know if you have any questions regarding this incident.

Respectfully,

Casey Magruder

Casey Magruder
Environmental Programs Manager

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**303921**
REPORT DATE:	**4/1/2022 11am**
ESTIMATED QUANTITY:	**3 gallons**
TYPE OF DISCHARGE:	**Sodium hydroxide**
LOCATION:	**2842 Cromwell Road**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Jodie's Popcorn 2842 Cromwell Road Norfolk, VA 23509 757-422-8646**
DATE OF DISCHARGE:	**3/30/2022**
DATE/TIME REPORTED:	**3/30/2022 3:38pm**
REPORTED TO DEQ/DCR BY:	**C. Magruder**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Norfolk Police Department notified the City of Norfolk Storm Water staff of an incident where approximately 3 gallons of Sodium hydroxide was spilled onto the street, ground, and into the storm drain after the cleaning of a boiler at Jodie's Popcorn.**
CORRECTIVE ACTION:	**The spill was contained, and the responsible party hired a contractor to clean the area and storm drain. All product was recovered and no waterways were affected.**
IMPACT TO STATE WATERS:	**None**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Casey Magruder — Signature

4/1/22 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

April 1, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 303917

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised there was an illicit discharge located at 115 Thole Street, Norfolk, VA, that occurred at 1:15 pm on March 30, 2022. City Stormwater staff was on site for a routine site inspection and noticed the release. The description of the incident is as follows:

This site is the Norfolk Fire Training Facility at Station 9. They were conducting fire training sessions utilizing the fire hose and diluted soap which created the foamy water. The soapy water drained into a nearby curb inlet. The fire department was asked to shut off the hose and then placed inlet protection at the curb inlet and in the gutter. The incident was resolved within 15 minutes.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 03/30/2022 at 2:46 pm.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**303917**
REPORT DATE:	**4/1/2022 2:00 pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Soapy Wash water**
LOCATION:	**ILLICIT DISCHARGE- 115 Thole Street**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Norfolk Fire Training Facility 115 Thole Street Norfolk, VA 23505**
DATE OF DISCHARGE:	**03/30/2022 at 1:15**
DATE/TIME REPORTED:	**03/30/2022 at 2:45**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Water with diluted soap was being used for simulation for training cadettes at the Norfolk Fire Training Facility. Once the water went through the different types of aeration nosils, it created foam.**
CORRECTIVE ACTION:	**The fire department immediately shut off the fire hose and placed inlet protection at the curb inlet and in the gutter.**
IMPACT TO STATE WATERS:	**None**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

4-1-2022
Date

THE CITY OF NORFOLK
PUBLIC WORKS

April 1, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 303932

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that environmental staff discovered sediment laden runoff discharging from a construction site after a water main break and entering a storm drain. The description of the incident is as follows:

A City stormwater inspector arrived on site at 10:30 am on 03/31/2022. After speaking with the City Construction Inspector on site, a water main break had occurred during construction activities on Wednesday evening on 03/30/2022. Sediment laden water had filled the gutter pan and discharged into the nearby storm drain. Upon arriving on site on 03/31/2022, the sediment laden water was still discharging into the storm drain without proper control measures. Within 15 minutes, a crew had installed several stone check dams along the gutter and installed a stone check dam with inlet protection at the storm drain. City staff returned again on 3/31/2022 at 1:30 pm and the sediment had settled out, and only clear water was entering the storm drain.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 03/31/2022 at 2:30 pm.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**303932**
REPORT DATE:	**April 1, 2022 2:50 pm**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sediment laden runoff from construction site after water main break**
LOCATION:	**Intersection of Colonial Avenue and Maryland Avenue**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Gaston Brothers Utilities LLC Kyle Fussell 757-473-4938 Kfussell@gbu-hr.com**
DATE OF DISCHARGE:	**03/30/2022**
DATE/TIME REPORTED:	**03/31/2022 2:30**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Due to a water main break, and lack of sediment control measures, sediment laden water entered a storm drain.**
CORRECTIVE ACTION:	**All sediment control measures were in place by 03/31/2022 at 10:45 am. Re-inspection was conducted on 03/31/2022 at 1:30 pm. Sediment has settled out in the gutter pan and only clear water was entering the storm drain.**
IMPACT TO STATE WATERS:	**No.**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan
Signature

4-1-2022
Date

THE CITY OF NORFOLK
PUBLIC WORKS

April 28, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304315

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sewage at an unknown date and time located at 4201 Powhatan Ave. The description of the incident is as follows:

Storm water staff was notified of a potential sanitary sewer overflow on 4/25/2022 by HRSD staff. Storm water staff investigated and found grey/opaque water in the stormwater ditch behind 4201Powhatan Ave. This ditch is part of the City of Norfolk's MS-4. HRSD staff investigated this ditch and have not found a cause as of this letter. HRSD and City of Norfolk staff are currently investigating this issue to determine a cause. Updates will be provided via e-mail to TRO once they are available.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 4/25/2022 3:01:26 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	304315
REPORT DATE:	4/28/2022 8:21 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE- 4201 Powhatan Ave
RESPONSIBLE PARTY: ADDRESS& PHONE:	HRSD Kelly Lamp 4201 Powhatan Ave Norfolk, VA 23508 757-440-2502
DATE OF DISCHARGE:	Unknown
DATE/TIME REPORTED:	4/25/2022 3:01:26 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Storm water staff was notified of a potential sanitary sewer overflow on 4/25/2022 by HRSD staff. Storm water staff investigated and found grey/opaque water in the stormwater ditch behind 4201Powhatan Ave. This ditch is part of the City of Norfolk's MS-4. HRSD staff investigated this ditch and have not found a cause as of this letter.
CORRECTIVE ACTION:	HRSD and City of Norfolk staff are currently investigating this issue to determine a cause. Updates will be provided via e-mail to TRO once they are available.
IMPACT TO STATE WATERS:	Yes-Elizabeth River

THE CITY OF NORFOLK
PUBLIC WORKS

April 28, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304314

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of sewage at an unknown date and time located at N S Terminal Drive The description of the incident is as follows:

Storm water staff was notified of a potential sanitary sewer overflow on 4/25/2022 by HRSD staff. Storm water staff investigated and found grey/opaque water in the railroad ditches along N S Terminal Drive. These ditches are railroad property and not part of the City of Norfolk's MS-4. HRSD staff sampled 2 outfalls along this road and found increasing levels of Ammonia in the outfall nearest the Elizabeth River. HRSD and City of Norfolk staff are currently investigating this issue to determine a cause. Updates will be provided via e-mail to TRO once they are available.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 4/25/2022 2:52:00 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	304314
REPORT DATE:	4/28/2022 8:06 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE- N S Terminal Drive
RESPONSIBLE PARTY: ADDRESS& PHONE:	HRSD Kelly Lamp 4201 Powhatan Ave Norfolk, VA 23508 757-440-2502
DATE OF DISCHARGE:	Unknown
DATE/TIME REPORTED:	4/25/2022 2:52:00 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Storm water staff was notified of a potential sanitary sewer overflow on 4/25/2022 by HRSD staff. Storm water staff investigated and found grey/opaque water in the railroad ditches along N S Terminal Drive. These ditches are railroad property and not part of the City of Norfolk's MS-4. HRSD staff sampled 2 outfalls along this road and found increasing levels of Ammonia in the outfall nearest the Elizabeth River.
CORRECTIVE ACTION:	HRSD and City of Norfolk staff are currently investigating this issue to determine a cause. Updates will be provided via e-mail to TRO once they are available.
IMPACT TO STATE WATERS:	Yes-Elizabeth River

THE CITY OF NORFOLK
PUBLIC WORKS

May 6, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304469

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a spill of approximately 50 gallons of hydraulic fluid on 5/4/2022 at 9:45:00 AM located at 601 E Brambleton Ave. The description of the incident is as follows:

City of Norfolk crews responded to a spill cleanup of hydraulic fluid of approximately 50 gallons in the roadway. Stormwater staff cleaned up the spill and properly disposed of the material. No storm drains were impacted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/4/2022 2:56:15 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**304469**
REPORT DATE:	**5/6/2022 10:53 AM**
ESTIMATED QUANTITY:	**50 gallons**
TYPE OF DISCHARGE:	**Hydraulic fluid**
LOCATION:	**ILLICIT DISCHARGE/SPILL- 601 E Brambleton Ave**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Unknown**
DATE OF DISCHARGE:	**5/4/2022 9:45:00 AM**
DATE/TIME REPORTED:	**5/4/2022 2:56:15 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**City of Norfolk crews responded to a spill cleanup of hydraulic fluid of approximately 50 gallons in the roadway.**
CORRECTIVE ACTION:	**Stormwater staff cleaned up the spill and properly disposed of the material. No storm drains were impacted.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Chiesi VanLear — Signature

5/6/22 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 6, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304447

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a spill of approximately 34 gallons of hydraulic fluid on 5/3/2022 at 4:00:00 AM located at 200 block of West Freemason Street. The description of the incident is as follows:

A City of Norfolk street sweeper #3768 blew a hydraulic line and released approximately 34 gallons of fluid. The site was secured by Stormwater staff and the spill was remediated. All spill material was disposed of properly. No storm drains were impacted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/3/2022 9:50:21 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**304447**
REPORT DATE:	**5/6/2022 10:31 AM**
ESTIMATED QUANTITY:	**34 gallons**
TYPE OF DISCHARGE:	**Hydraulic fluid**
LOCATION:	**ILLICIT DISCHARGE/SPILL- 200 block of West Freemason Street**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Public Works Kyle Quick 2233 McKann Ave Norfolk, VA 23509 757-359-1750**
DATE OF DISCHARGE:	**5/3/2022 4:00:00 AM**
DATE/TIME REPORTED:	**5/3/2022 9:50:21 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**A City of Norfolk street sweeper #3768 blew a hydraulic line and released approximately 34 gallons of fluid. No storm drains were impacted.**
CORRECTIVE ACTION:	**The site was secured by Stormwater staff and the spill was remediated. All spill material was disposed of properly.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Christi VanDear 5/6/22

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 6, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304434

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of cooking wastewater on 5/2/2022 at 12:50:00 PM located at 1551 Premium Outlets Blvd. The description of the incident is as follows:

Storm water staff was notified by F.O.G. Supervisor Lindsey Dierks of an illicit discharge in the storm drain behind Moe's. This storm drain is located in the sites BMP. Surburban Plumbing was contacted to perform spill remediation and vactored out the storm drains to remove all of the cooking wastewater and debris.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/2/2022 2:59:05 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**304434**
REPORT DATE:	**5/6/2022 10:04 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Cooking wastewater and debris**
LOCATION:	**ILLICIT DISCHARGE- 1551 Premium Outlets Blvd**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Moe's C/O Manager Todd 1551 Premium Outlets Blvd Norfolk, VA 23502**
DATE OF DISCHARGE:	**5/2/2022 12:50:00 PM**
DATE/TIME REPORTED:	**5/2/2022 2:59:05 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Storm water staff was notified by F.O.G. Supervisor Lindsey Dierks of an illicit discharge in the storm drain behind Moe's. This storm drain is located in the sites BMP.**
CORRECTIVE ACTION:	**Surburban Plumbing was contacted to perform spill remediation and vactored out the storm drains to remove all of the cooking wastewater and debris.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Chris VanDeer — Signature

5/10/22 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 6, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304505

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of plaster on 5/5/2022 at 3:30:00 PM located at 916 Ballentine Blvd. The description of the incident is as follows:

Storm water staff noticed a white powder that had been dropped across the street from 916 Ballentine Blvd. Upon further investigation, it was found to be plaster. Storm water responded for spill cleanup by vactoring out the nearest storm drain and sweeping the surrounding area.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/6/2022 9:24:24 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

2233 McKANN AVENUE ▪ NORFOLK, VIRGINIA 23509 ▪ 757-823-4010
www.norfolk.gov

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**304505**
REPORT DATE:	**5/6/2022 11:26 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Plaster**
LOCATION:	**ILLICIT DISCHARGE- 916 Ballentine Blvd**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Unknown**
DATE OF DISCHARGE:	**5/5/2022 3:30:00 PM**
DATE/TIME REPORTED:	**5/6/2022 9:24:24 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Storm water staff noticed a white powder that had been dropped across the street from 916 Ballentine Blvd. Upon further investigation, it was found to be plaster.**
CORRECTIVE ACTION:	**Storm water responded for spill cleanup by vactoring out the nearest storm drain and sweeping the surrounding area.**
IMPACT TO STATE WATERS:	**No**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Alicia VanLear — Signature

5/6/22 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 12, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304556

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 40 gallons of diesel fuel were spilled on the road at the intersection of Granby St and E Admiral Taussig Blvd and entered the nearest catch basin. The description of the incident is as follows:

Tuesday around 6:30 AM there was a motor vehicle accident between a tractor trailer and a car in which the tractor trailer's 55-gallon fuel tank was ruptured spilling roughly 40 gallons of fuel into the intersection, some of which entered the nearest catch basin. The Storm Water office was notified around 7:30 am by the fire marshal, who had already called Hepaco. Upon investigation, that catch basin was extremely impacted by sediment from erosion on the interstate ramp and the diesel was unable to travel any further. HEPACO performed remediation on the street and cleaned out the catch basin. In order to clean the catch basin, it was necessary to obtain permission cut the VDOT fence blocking access to the manhole. Remediation started around 12:30 pm and was complete by 3 pm.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/10/2022 10:18:32 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**304556**
REPORT DATE:	**5/12/2022 7:55 AM**
ESTIMATED QUANTITY:	**40 gallons**
TYPE OF DISCHARGE:	**Diesel fuel**
LOCATION:	**Intersection of Granby St and E Admiral Taussig Blvd primarily in the northbound right lane of Granby St**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Schundell Rakeem Beverly (Ray Beverly) driver for Taurus Express, LLC 202-956-8097 (obtained information from Fire Marshal who did not have current address)**
DATE OF DISCHARGE:	**5/10/2022 6:30:00 AM**
DATE/TIME REPORTED:	**5/10/2022 10:18:32 AM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Tuesday around 6:30 AM there was a motor vehicle accident between a tractor trailer and a car in which the tractor trailer's 55-gallon fuel tank was ruptured spilling roughly 40 gallons of fuel into the intersection, some of which entered the nearest catch basin**
CORRECTIVE ACTION:	**HEPACO performed remediation on the street and cleaned out the catch basin. In order to clean the catch basin, it was necessary to obtain permission cut the VDOT fence blocking access to the manhole. Remediation started around 12:30 pm and was complete by 3 pm.**
IMPACT TO STATE WATERS:	**N/A**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

5/12/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 17, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304692

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of pressure washing wastewater on 5/16/2022 at 10:00:00 AM located at 4251 Powhatan Ave. The description of the incident is as follows:

Stormwater staff observed pressure washing at L.R. Hill Sport Complex from ShineTime. I spoke with Mike Thomas from ShineTime and informed him that the solution of diluted Sodium Hydrocholoride and Enviro Spec soap could not be used. Mr. Thomas was informed that all pressure washing water must be reclaimed and that no wash water could enter into the storm water system. Mr. Thomas proceeded to block all drains and used water only to finish the pressure washing on the complex. This impacted Old Dominion University's MS-4 system directly, and it flows into the City's MS-4. ODU officials were notified of the discharge.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/17/2022 7:58:02 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	304692
REPORT DATE:	5/17/2022 8:00 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Pressure washing waste water
LOCATION:	ILLICIT DISCHARGE- 4251 Powhatan Ave
RESPONSIBLE PARTY: ADDRESS& PHONE:	ShineTime 1229 Jensen Drive Suite 102 Virginia Beach, VA 23451 757-797-5645
DATE OF DISCHARGE:	5/16/2022 10:00:00 AM
DATE/TIME REPORTED:	5/17/2022 7:58:02 AM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Stormwater staff observed pressure washing at L.R. Hill Sport Complex from ShineTime. I spoke with Mike Thomas from ShineTime and informed him that the solution of diluted Sodium Hydrocholoride and Enviro Spec soap could not be used. Mr. Thomas was informed that all pressure washing water must be reclaimed and that no wash water could enter into the storm water system.
CORRECTIVE ACTION:	Mr. Thomas proceeded to block all drains and used water only to finish the pressure washing on the complex. This impacted Old Dominion University's MS-4 system directly, and it flows into the City's MS-4. ODU officials were notified of the discharge.
IMPACT TO STATE WATERS:	No

THE CITY OF NORFOLK
PUBLIC WORKS

May 27, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 304908

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 5 gallons of concrete washout were dumped into the catch basin across from 6040 Newport Ave. The description of the incident is as follows:

Thursday around 2:15 PM a Tri State crew dumped about 5 gallons of concrete washout mixed with rainwater into a catch basin that discharged directly to a ditch. They were observed by a stormwater employee who stopped them. Tri State called out their vactor truck to clean the basin and line and to suck out the water at the ditch entrance, it was low tide and had not travelled further. (They ditch system in this neighborhood is heavily influenced by the tide). When starting the truck, it overheated and leaked less than a gallon of antifreeze onto the street that was quickly covered with absorbent and did not enter the storm drain. They got the vactor cooled down and running again and remediation was finished by 3:15 pm (including the picking up of the absorbent).

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/26/2022 03:27:48 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**304908**
REPORT DATE:	**5/27/2022 7:25 PM**
ESTIMATED QUANTITY:	**5 gallons**
TYPE OF DISCHARGE:	**Concrete washout**
LOCATION:	**Ditch entrance/catch basin across from 6040 Newport Ave**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Steve Beals (Tri-State Utilities) (252)340-9806**
DATE OF DISCHARGE:	**5/26/2022 2:15:00 PM**
DATE/TIME REPORTED:	**5/26/2022 03:27:48 AM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Thursday around 2:15 PM a Tri State crew dumped about 5 gallons of concrete washout mixed with rainwater into a catch basin that discharged directly to a ditch.**
CORRECTIVE ACTION:	**They were observed by a stormwater employee who stopped them. Tri State called out their vactor truck to clean the basin and line and to suck out the water at the ditch entrance, it was low tide and had not travelled further. (They ditch system in this neighborhood is heavily influenced by the tide).**
IMPACT TO STATE WATERS:	**N/A**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

5/27/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

June 3, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 305069

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 25 gallons of gasoline entered a catch basin at the southeast corner of Goff Street and Church Street. The description of the incident is as follows:

Friday morning on June 3, 2022, around 9:00 am., a car accident was reported, and gasoline had entered the catch basin. The fire department was dispatched and applied oil dry along the gutter and absorbent pads in the basin. A dam of oil dry was created to stop any further gasoline from entering onto the basin. The fire department notified Penske Truck Rental (whose gasoline tank was damaged and leaked) and then dispatched HEPACO to clean up the site. HEPACO arrived on site at 10:55 am. The basin was vactored and the street was cleaned by 12:00 pm.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/3/2022 at 2:15 pm.

Please let me know if you have any questions regarding this incident.

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**305069**
REPORT DATE:	**6/3/2022**
ESTIMATED QUANTITY:	**25 gallons**
TYPE OF DISCHARGE:	**gasoline**
LOCATION:	**Catch basin at the southeast corner of Goff Street and Church Street**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Penske Truck Rental 800 GoPenske**
DATE OF DISCHARGE:	**6/3/2022 9:00 am**
DATE/TIME REPORTED:	**6/3/2022 2:15**
REPORTED TO DEQ/DCR BY:	**A Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Approximately 25 gallons of gasoline was released into the gutter pan and catch basin due to a car accident.**
CORRECTIVE ACTION:	**Oil dry was placed on the gasoline in the street and along the gutter. Absorbent pads were placed at the mouth of the basin and in the basin. HEPACO was dispatched and the basin was vactored and the gasoline/oil dry was removed from the site.**
IMPACT TO STATE WATERS:	**N/A**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Audrey Doan 6/3/2022

Signature Date

June 8, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 305123

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a sanitary sewer overflow from a cleanout at 887 Bagnall Road this morning that entered the nearest yard basin. Total quantity is unknown. The description of the incident is as follows:

Stormwater received a complaint first thing this morning about potential washwater (original complaint was placed at 4:07 pm June 7). The Storm Water office investigated and determined it to be gray water coming from a clean out valve. NRHA was notified and their plumber came out first thing this morning to clear the blockage.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/8/2022 10:05:44 AM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**305123**
REPORT DATE:	**6/8/2022 1:35 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**SSO**
LOCATION:	**Intersection of Granby St and E Admiral Taussig Blvd primarily in the northbound right lane of Granby St**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**NRHA – Brandon Banks (757-647-2488)**
DATE OF DISCHARGE:	**6/7/2022 04:07:00 PM**
DATE/TIME REPORTED:	**6/8/2022 10:05:44 AM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**There was a sanitary sewer overflow from a cleanout at 887 Bagnall Road this morning that entered the nearest yard basin. Total quantity is unknown.**
CORRECTIVE ACTION:	**NRHA was notified and their plumber came out first thing this morning to clear the blockage.**
IMPACT TO STATE WATERS:	**unknown**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

6/8/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

June 9, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 305127

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was a grease spill at 201 E Berkley Ave. About a gallon was found on the ground by the dumpster and grease trap and there was evidence of grease in the catch basin as well. The description of the incident is as follows:

The Storm Water office was notified of a grease spill by the FOG program around noon on Wednesday. Upon investigation, the nearest catch basin had grease in it (most likely from a previous incident). The shopping center management (Colliers) called A Clean Bay Plumbing & Drain Cleaning to clean up both the grease spill and the catch basin. A Clean Bay pressure washed (while using their vacuum to collect the water) the dumpster area and cleaned out the storm drain. The incident was remediated by 3 pm.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/9/2022 01:11:05 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Madison White
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**305127**
REPORT DATE:	**6/9/2022 8:15 AM**
ESTIMATED QUANTITY:	**1 gallon**
TYPE OF DISCHARGE:	**Grease**
LOCATION:	**201 E Berkley Ave, behind the shopping center**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Henry Wilcox – Colliers henry.wilcox@colliers.com 757-490-3300**
DATE OF DISCHARGE:	**6/9/2022 11:30:00 AM**
DATE/TIME REPORTED:	**6/9/2022 01:11:05 PM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**There was a grease spill at 201 E Berkley Ave. About a gallon was found on the ground by the dumpster and grease trap and there was evidence of grease in the catch basin as well.**
CORRECTIVE ACTION:	**The shopping center management (Colliers) called A Clean Bay Plumbing & Drain Cleaning to clean up both the grease spill and the catch basin. A Clean Bay pressure washed (while using their vacuum to collect the water) the dumpster area and cleaned out the storm drain. The incident was remediated by 3 pm.**
IMPACT TO STATE WATERS:	**N/A**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system of those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature

6/9/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

June 29, 2022

Department of Environmental
Quality Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

RE: VPDES Permit No. VA0088650
IR 305406

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that concrete wash water entered into the gutter pan and nearest catch basin at 2501 E Little Creek Road. The description of the incident is as follows:

Stormwater staff observed staff from Branch Industries working at Andover Apartments and releasing concrete wash water out into the gutter pan, which ultimately made its way to the nearest catch basin. Stormwater staff spoke with Ron Lampkins on site and instructed Branch Industries staff to cease work and remediate the wash water. A Notice of Violation was issued to the apartment complex. The wash water was removed from the gutter pan and the catch basin. Due to a sediment blockage in the stormwater system, the pollutants were contained.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/27/2022 03:29:55 PM.

Please let me know if you have any questions regarding this incident.

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	305406
REPORT DATE:	6/29/2022 9:03 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Concrete wash water
LOCATION:	Andover Apartments 2501 E Little Creek Road
RESPONSIBLE PARTY: ADDRESS& PHONE:	Branch Industries, Inc Ron Lampkins P.O Box 62584 Virginia Beach, VA 23466 757-652-8886
DATE OF DISCHARGE:	6/27/2022 10:30:00 AM
DATE/TIME REPORTED:	6/27/2022 03:29:55 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	Online Prep
DESCRIPTION OF DISCHARGE:	Stormwater staff observed staff from Branch Industries working at Andover Apartments and releasing concrete wash water out into the gutter pan, which ultimately made its way to the nearest catch basin. Stormwater staff spoke with Ron Lampkins on site and instructed Branch Industries staff to cease work and remediate the wash water.
CORRECTIVE ACTION:	A Notice of Violation was issued to the apartment complex. The wash water was removed from the gutter pan and the catch basin. Due to a sediment blockage in the stormwater system, the pollutants were contained.
IMPACT TO STATE WATERS:	No

SSORS ID:	106015	**Reported:**	07/21/21 9:23 AM	**Amount Spilled:**	1000 Gallons
DEQ IR #:	SSORS#2022-T-106015	**Reported by:**	David Speer	**Amount Recovered:**	500 Gallons
Asset ID:		**Lasted Edited**	08/03/21 11:38 AM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	07/19/21 10:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	07/19/21 2:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	07/21/21 9:23 AM	**Spill Duration:**	3 hour(s) 30 minute(s)
Site Name:	5867 Finney			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared, the ditch was dammed to cut off flow into the storm drain system and was vactored out, and the area was cleaned up.

Possible Receptors
Broad Creek

Description of Materials
Sewage

Corrective Action
The blockage was cleared, the ditch was dammed to cut off flow into the storm drain system and was vactored out, and the area was cleaned up.
-----July 21, 2021 09:23 AM-----

DEQ Comments (Reviewed 8/3/2021 11:38:54 AM by Meghan Kies)

None.

Attachments
None.

SSORS ID:	106016	**Reported:**	07/27/21 4:17 PM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2022-T-106016	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	08/03/21 11:39 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	07/27/21 10:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	07/27/21 1:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	07/27/21 4:17 PM	**Spill Duration:**	3 hour(s) 0 minute(s)
Site Name:	St Pauls Blvd & E. Olney Rd intx			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the overflow cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the overflow cleaned up.
-----July 27, 2021 04:17 PM-----

DEQ Comments (Reviewed 8/3/2021 11:39:19 AM by Meghan Kies)

None.

Attachments
None.

SSORS ID:	106049	**Reported:**	09/24/21 3:50 PM	**Amount Spilled:**	200 Gallons
DEQ IR #:	SSORS#2022-T-106049	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons

Asset ID:		**Lasted Edited**	10/04/21 2:38 PM	**Reaching State Waters:**	200 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	09/23/21 3:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	09/23/21 5:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	09/24/21 3:50 PM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	6267 Sewells Point Rd			**SSO Classification:**	Maintenance-Debris

Cordinates:

Description Of Incident
Debris blocked a pipe and caused an overflow. The debris was cleared and the area cleaned up.

Possible Receptors
Wayne Creek

Description of Materials
Sewage

Corrective Action
The debris was cleared and the area cleaned up.
-----September 24, 2021 03:50 PM-----

DEQ Comments (Reviewed 10/4/2021 2:38:06 PM by Meghan Kies)

None.

Attachments

None.

SSORS ID:	106050	**Reported:**	10/06/21 10:12 AM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2022-T-106050	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	10/12/21 7:42 AM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Renee McKinnon	**Spill Date:**	10/01/21 12:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/01/21 3:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/06/21 10:12 AM	**Spill Duration:**	3 hour(s) 0 minute(s)
Site Name:	1425 Norchester Ave (behind it @ outfall)			**SSO Classification:**	Maintenance-Debris

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors
LaFayette River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----October 6, 2021 10:12 AM-----

DEQ Comments (Reviewed 10/12/2021 7:42:22 AM by Renee McKinnon)

None.

Attachments

None.

SSORS ID:	106059	**Reported:**	11/10/21 3:59 PM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2022-T-106059	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	11/15/21 2:32 PM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	11/10/21 9:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	11/10/21 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	11/10/21 3:59 PM	**Spill Duration:**	1 hour(s) 30 minute(s)

Site Name: 8508 Chesapeake Blvd
SSO Classification: Maintenance-Grease
Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors
Masons Creek

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----November 10, 2021 03:59 PM-----

DEQ Comments (Reviewed 11/15/2021 2:32:01 PM by Meghan Kies)
None.

Attachments
None.

SSORS ID:	106060	**Reported:**	11/23/21 1:21 PM	**Amount Spilled:**	250 Gallons
DEQ IR #:	SSORS#2022-T-106060	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	11/30/21 7:27 AM	**Reaching State Waters:**	250 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	11/21/21 9:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	11/21/21 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	11/23/21 1:21 PM	**Spill Duration:**	1 hour(s) 30 minute(s)
Site Name:	Boush & Brambleton intx			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----November 23, 2021 01:21 PM-----

DEQ Comments (Reviewed 11/30/2021 7:27:50 AM by Meghan Kies)
None.

Attachments
None.

SSORS ID:	106061	**Reported:**	12/01/21 10:58 AM	**Amount Spilled:**	250 Gallons
DEQ IR #:	SSORS#2022-T-106061	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/06/21 8:29 AM	**Reaching State Waters:**	250 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Renee McKinnon	**Spill Date:**	11/30/21 10:43 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	11/30/21 12:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/01/21 10:58 AM	**Spill Duration:**	1 hour(s) 17 minute(s)
Site Name:	313 E. Little Creek Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors

Masons Creek

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----December 1, 2021 10:58 AM-----

DEQ Comments (Reviewed 12/6/2021 8:29:14 AM by Renee McKinnon)

None.

Attachments

None.

SSORS ID:	106063	**Reported:**	12/06/21 4:19 PM	**Amount Spilled:**	100 Gallons
DEQ IR #:	SSORS#2022-T-106063	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/09/21 8:34 AM	**Reaching State Waters:**	100 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	12/03/21 8:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/03/21 9:30 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/06/21 4:19 PM	**Spill Duration:**	1 hour(s) 0 minute(s)
Site Name:	946 Bagnall Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----December 6, 2021 04:19 PM-----

DEQ Comments (Reviewed 12/9/2021 8:34:22 AM by Meghan Kies)

None.

Attachments

None.

SSORS ID:	106064	**Reported:**	12/06/21 4:21 PM	**Amount Spilled:**	100 Gallons
DEQ IR #:	SSORS#2022-T-106064	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/09/21 8:34 AM	**Reaching State Waters:**	100 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	12/03/21 10:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/06/21 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/06/21 4:21 PM	**Spill Duration:**	73 hour(s) 0 minute(s)
Site Name:	1000 Tidewater Dr			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----December 6, 2021 04:21 PM-----

DEQ Comments (Reviewed 12/9/2021 8:34:35 AM by Meghan Kies)

None.

Attachments

None.

SSORS ID:	106065	**Reported:**	12/08/21 3:10 PM	**Amount Spilled:**	150 Gallons
DEQ IR #:	SSORS#2022-T-106065	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/09/21 8:34 AM	**Reaching State Waters:**	150 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	12/03/21 8:40 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/03/21 10:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/08/21 3:10 PM	**Spill Duration:**	1 hour(s) 20 minute(s)
Site Name:	946 Bagnall Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----December 8, 2021 03:10 PM-----

DEQ Comments (Reviewed 12/9/2021 8:34:50 AM by Meghan Kies)

None.

Attachments

None.

SSORS ID:	106066	**Reported:**	12/08/21 3:57 PM	**Amount Spilled:**	150 Gallons
DEQ IR #:	SSORS#2022-T-106066	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/09/21 8:34 AM	**Reaching State Waters:**	150 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	12/03/21 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/03/21 10:15 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/08/21 3:57 PM	**Spill Duration:**	1 hour(s) 15 minute(s)
Site Name:	1000 Tidewater Dr			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the overflow was cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the overflow was cleaned up.
-----December 8, 2021 03:57 PM-----

DEQ Comments (Reviewed 12/9/2021 8:34:59 AM by Meghan Kies)

None.

Attachments

None.

SSORS ID:	106075	**Reported:**	12/28/21 2:55 PM	**Amount Spilled:**	5000 Gallons
DEQ IR #:	SSORS#2022-T-106075	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/04/22 2:48 PM	**Reaching State Waters:**	5000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Renee McKinnon	**Spill Date:**	12/27/21 8:25 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/27/21 4:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/28/21 2:55 PM	**Spill Duration:**	7 hour(s) 35 minute(s)
Site Name:	1826 Greenleaf Dr			**SSO Classification:**	Infrastructure
Cordinates:					

Description Of Incident

A pipe blockage caused an overflow. A pump and haul was initiated to divert the flow into City pump station #35.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

A pump and haul was initiated to divert the flow into City pump station #35.
-----December 28, 2021 02:55 PM-----

DEQ Comments (Reviewed 1/4/2022 2:48:19 PM by Renee McKinnon)

None.

Attachments

None.

SSORS ID:	106077	**Reported:**	01/05/22 7:33 AM	**Amount Spilled:**	600 Gallons
DEQ IR #:	SSORS#2022-T-106077	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/07/22 12:31 PM	**Reaching State Waters:**	600 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	01/03/22 2:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/03/22 4:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/05/22 7:33 AM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	9568 12th Bay St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors

Little Creek

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----January 5, 2022 07:33 AM-----

DEQ Comments (Reviewed 1/7/2022 12:31:42 PM by Meghan Kies)

None.

Attachments

None.

SSORS ID:	106078	**Reported:**	01/05/22 7:40 AM	**Amount Spilled:**	400 Gallons
DEQ IR #:	SSORS#2022-T-106078	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons

Asset ID:		**Lasted Edited**	01/07/22 12:31 PM	**Reaching State Waters:**	400 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	01/03/22 2:38 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/03/22 4:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/05/22 7:40 AM	**Spill Duration:**	1 hour(s) 22 minute(s)
Site Name:	3420 N. Military Highway			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors
Lake Whitehurst

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----January 5, 2022 07:40 AM-----

DEQ Comments (Reviewed 1/7/2022 12:31:52 PM by Meghan Kies)
None.

Attachments
None.

SSORS ID:	106079	**Reported:**	01/05/22 10:04 AM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2022-T-106079	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/07/22 12:32 PM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	01/04/22 11:42 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/04/22 1:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/05/22 10:04 AM	**Spill Duration:**	1 hour(s) 18 minute(s)
Site Name:	6267 Sewells Point Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors
Wayne Creek

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----January 5, 2022 10:04 AM-----

DEQ Comments (Reviewed 1/7/2022 12:32:02 PM by Meghan Kies)
None.

Attachments
None.

SSORS ID:	106080	**Reported:**	01/05/22 12:56 PM	**Amount Spilled:**	150 Gallons
DEQ IR #:	SSORS#2022-T-106080	**Reported by:**	Lauren Grimmer	**Amount Recovered:**	0 Gallons
Asset ID:	SF-069-16017	**Lasted Edited**	01/07/22 4:31 PM	**Reaching State Waters:**	150 Gallons
Reporting Jurisdiction:	HRSD	**Last Edited by:**	Lauren Grimmer	**Spill Date:**	01/05/22 5:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/05/22 6:30 AM
Responsible Party:	HRSD	**Final Submittal:**	01/07/22 4:31 PM	**Spill Duration:**	1 hour(s) 30 minute(s)

Site Name: Norview-Estabrook Ext. Div. I
SSO Classification: Infrastructure
Cordinates:

Description Of Incident
Sewage was observed leaking through the pavement.

Possible Receptors
Lafayette River via Wayne's Creek

Description of Materials
raw wastewater

Corrective Action
Staff saw cut and removed pavement and created a small excavation to capture and retain the sewage. Vactor was onsite by 6:30am and sewage leak to waterway was stopped. Leak was caused by a failed coupling, likely installed during original construction of pipeline in 1953. Fitting and a section of pipe was replaced.
-----January 5, 2022 12:56 PM-----

DEQ Comments (Reviewed 1/7/2022 12:32:13 PM by Meghan Kies)
None.

Attachments
None.

SSORS ID:	106090	**Reported:**	01/30/22 3:31 PM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2022-T-106090	**Reported by:**	Lauren Grimmer	**Amount Recovered:**	0 Gallons
Asset ID:	SF-042-112778	**Lasted Edited**	02/02/22 2:53 PM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	HRSD	**Last Edited by:**	Lauren Grimmer	**Spill Date:**	01/30/22 10:10 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/30/22 11:35 AM
Responsible Party:	HRSD	**Final Submittal:**	02/02/22 2:53 PM	**Spill Duration:**	1 hour(s) 25 minute(s)
Site Name:	Larchmont Force Main			**SSO Classification:**	Infrastructure

Cordinates:

Description Of Incident
Sewage leaking up through grass/soil near pump station

Possible Receptors
storm pipe leading to Lafayette River

Description of Materials
raw wastewater

Corrective Action
Staff turned off the HRSD pump station and closed nearby valve to isolate the leak. Leak was caused by a circumferential crack in the pipe, which was repaired with a full circle clamp.
-----February 2, 2022 02:53 PM-----

DEQ Comments (Reviewed 2/1/2022 9:32:12 AM by Meghan Kies)
None.

Attachments
None.

SSORS ID:	106110	**Reported:**	03/22/22 3:20 PM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2022-T-106110	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	04/12/22 10:59 AM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	Meghan Kies	**Spill Date:**	03/22/22 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	03/22/22 11:30 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	03/22/22 3:20 PM	**Spill Duration:**	2 hour(s) 30 minute(s)
Site Name:	2801 Villa Circle			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the overflow cleaned up.

Possible Receptors
LaFayette River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the overflow cleaned up.
-----March 22, 2022 03:20 PM-----

DEQ Comments (Reviewed 4/12/2022 10:59:56 AM by Meghan Kies)

None.

Attachments

None.

SSORS ID:	106125	**Reported:**	04/29/22 4:05 PM	**Amount Spilled:**	750 Gallons
DEQ IR #:	SSORS#2022-T-106125	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/20/22 11:53 AM	**Reaching State Waters:**	750 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	04/28/22 8:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	04/28/22 10:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	04/29/22 4:05 PM	**Spill Duration:**	1 hour(s) 30 minute(s)
Site Name:	966 Elgo St			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors
Broad Creek

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----April 29, 2022 04:05 PM-----

DEQ Comments (Reviewed 5/20/2022 11:53:45 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106129	**Reported:**	05/06/22 9:22 AM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2022-T-106129	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/20/22 11:58 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	05/04/22 3:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/04/22 5:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/06/22 9:22 AM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	Va Beach Blvd & Monticello Ave intersection			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the overflow cleaned up.

Possible Receptors

Elizabeth River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the overflow cleaned up.
-----May 6, 2022 09:22 AM-----

DEQ Comments (Reviewed 5/20/2022 11:58:06 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106132	**Reported:**	05/13/22 11:50 AM	**Amount Spilled:**	2000 Gallons
DEQ IR #:	SSORS#2022-T-106132	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/20/22 12:02 PM	**Reaching State Waters:**	2000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	05/12/22 11:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/12/22 3:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/13/22 11:50 AM	**Spill Duration:**	4 hour(s) 0 minute(s)
Site Name:	1741 Greenleaf Dr			**SSO Classification:**	Third Party Action

Cordinates:

Description Of Incident
A contractor's bypass pump quit pumping so the system backed up and an overflow occurred. The pump was checked, re-started, and pumped down the system.

Possible Receptors

Steamboat Creek

Description of Materials
Sewage

Corrective Action
The contractor was called, went out on site, and re-started the bypass pump. The pump then pumped down the system.
-----May 13, 2022 11:50 AM-----

DEQ Comments (Reviewed 5/20/2022 12:02:02 PM by David Taylor)

None.

Attachments

None.

SSORS ID:	106134	**Reported:**	05/19/22 12:15 PM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2022-T-106134	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/20/22 12:03 PM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	05/17/22 2:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/17/22 6:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/19/22 12:15 PM	**Spill Duration:**	4 hour(s) 0 minute(s)
Site Name:	201 E. Bay Ave			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors

Mason Creek

Description of Materials
Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----May 19, 2022 12:15 PM-----

DEQ Comments (Reviewed 5/20/2022 12:03:39 PM by David Taylor)

None.

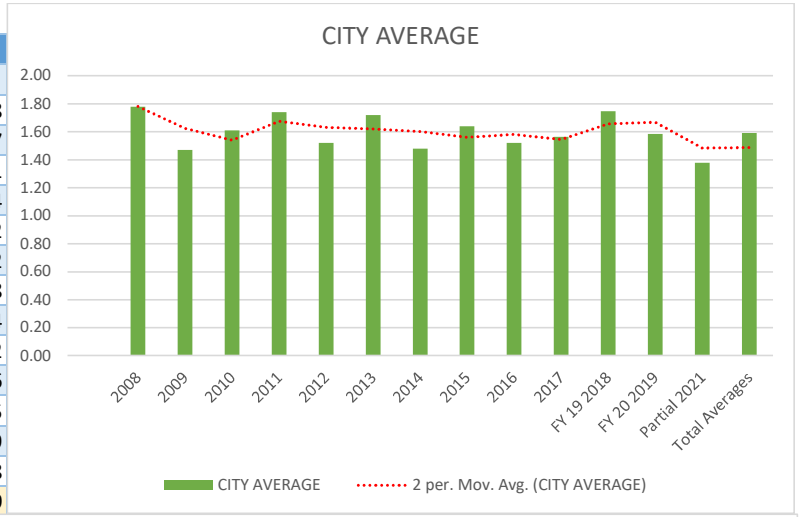
Attachments

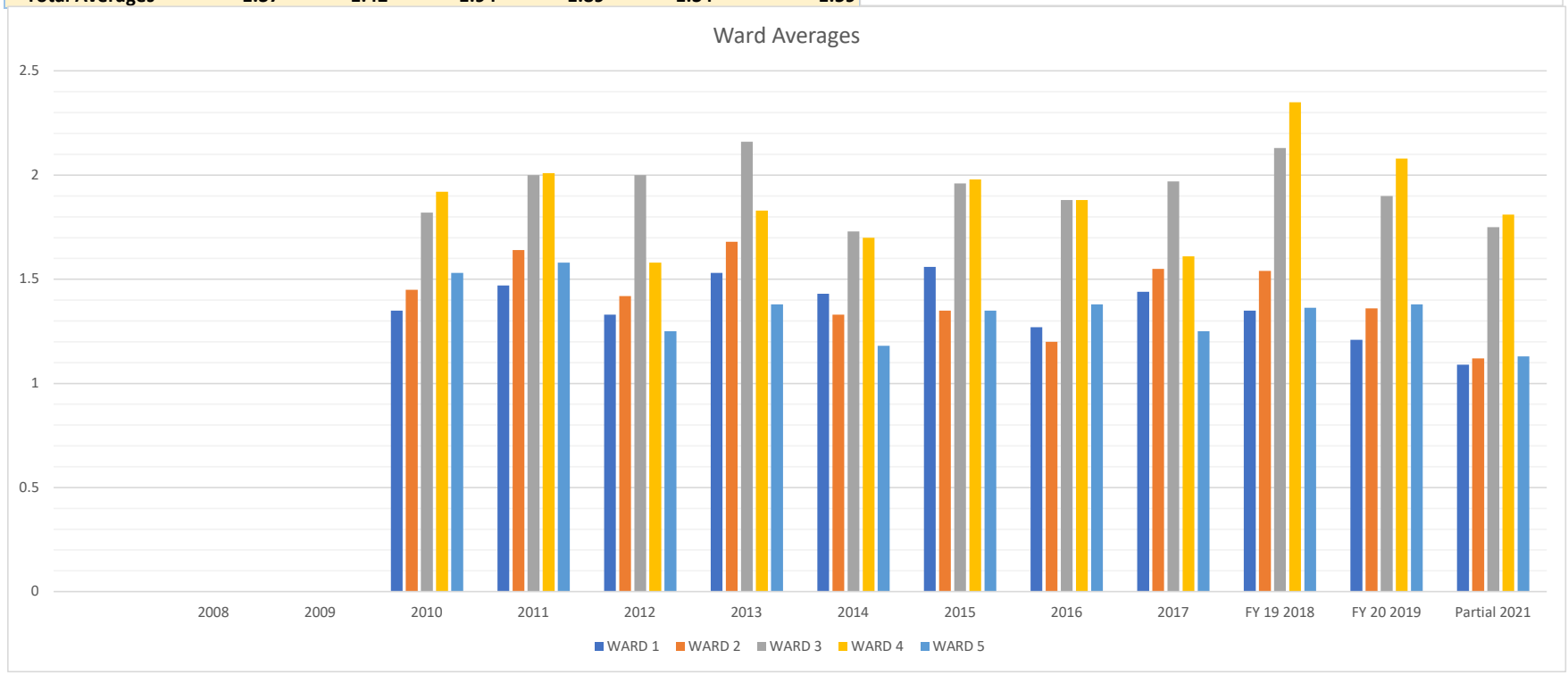
None.

	Cigarette Butts	Food Wrappers (candy, chips, etc.)	Take Out/Away Containers (Plastic)	Take Out/Away Containers (Foam)	Bottle Caps (Plastic)	Bottle Caps (Metal)	Lids (Plastic)	Straws, Stirrers	Forks, Knives, Spoons	Beverage Bottles (Plastic)	Beverage Bottles (Glass)	Beverage Cans	Grocery Bags (Plastic)	Other Plastic Bags	Paper Bags	Cups, Plates (Paper)	Cups, Plates (Plastic)	Cups, Plates (Foam)	Fishing Buoys, Pots & Traps	Fishing Net & Pieces	Fishing Line (1 yard/meter = 1 piece)	Rope (1 yard/meter = 1 piece)	Fishing Gear (Clean Swell)	6-Pack Holders	Other Plastic/Foam Packaging	Other Plastic Bottles (oil, bleach, etc.)	Strapping Bands	Tobacco Packaging/ Wrap	Other Packaging (Clean Swell)	Appliances (refrigerators, washers, etc.)	Balloons	Cigar Tips	Cigarette Lighters	Construction Materials	Fireworks	Tires	Toys	Other Trash (Clean Swell)	Condoms	Diapers	Syringes	Tampons/Tampon Applicators	PPE/Mask/Gloves	Foam Pieces	Glass Pieces	Plastic Pieces	Total Items Collected	Number of volunteers	Volunteer hours	Pounds of litter	Number of Miles
Barreud Park 10/16/21	2724	778	18	21	780	4332	77	368	136	161	62	95	103	123	59	23	41	74	3	5	6.5	7	196	17	19	336	2	31	405	19	52	9	6	7	10	11	1	1	3	47	754	1347	13269.5	87	174	1100	3
Ocean View Beach Park 9/20/2021	180	54	2	11	48	39		24	17	28	19	32	17	5	2	20		9												4											32	19	69	631	10	20	100	2
Old Dominion University	13	42			9	1		6	6	2				4	3		2	1			2			4					1		1	1				1				14	2	12	48	175	10	20	20	0.5
East Ocean View	684	136	6	1	44	37	8	37	4	20	32	30	11	10	4	3	5	4	4	22	10		10		10	14			27		11				4	1	2	1		11	15	126	1340	26	52	130	1
Willoughby Spit 9/4/2021	231	13	5	19	76	29	7	7	9	38	19	15	12	5	4	1	4	15	2	3	5	3	1		1	7			49	4		4	1		2	4				10	17	44	666	9	18	130	0.5
The Hague	113	42	2	37	53	22	17	9	42	68	23	82	52			9	13	2	1		3		1		2	17			39	14					4					17		117	801	13	26	160	1
Lakewood Park - 10/8/21	67	22	3	3	49	17		35	7	51	2	31	6			1	2				6					7			12	2	5				1	1		2				93	419	8	16	120	3
1900-1300 East Ocean View Avenue	14	2	1		9	1	1	0		1			12	1	2						6				1			1	4											11	1	54	128	10	15	60	1
Harbor Park (ERT) 9/26/2021	438	382	52	66	177	36	86	67	20	358	98	218	192	256	96	142	111	127	2	13	49	27	4	78	18	11	28	4	2	55	5	87	4		1	4		2	22	308	120	860	4626	52	104	408	1.5
Town Point Park/Nautilous 08/23/21	346	183	51	14	81	26	41	73	21	53	14	38	32	60	20	64	34	11	1		1	1	1	180	2	30	19	2	1	69	2	32	1	1		3	3	1	2	13	98	19	423	2066	10	20	55	1
100 Ocean View Ave 10/13/21	103	17			31	14		5	3	3	5	4	3	16	2		1		0		1			2				4	12	2	2									1			5	236	5	10	20	0.5
TOTAL	4913	1671	140	172	1326	4540	237	632	262	780	269	541	425	475	188	261	212	244	6	23	81	58.5	0	14	468	40	71	428	0	8	36	660	51	188	14	12	0	26	24	4	8	52	536	957	3181	24121.5	235	465	2283	14.5

COMMUNITY APPEARANCE INDEX FOR KEEP NORFOLK BEAUTIFUL 2010- 2019

YEAR	WARD 1	WARD 2	WARD 3	WARD 4	WARD 5	CITY AVERAGE
2008						1.78
2009						1.47
2010	1.35	1.45	1.82	1.92	1.53	1.61
2011	1.47	1.64	2	2.01	1.58	1.74
2012	1.33	1.42	2	1.58	1.25	1.52
2013	1.53	1.68	2.16	1.83	1.38	1.72
2014	1.43	1.33	1.73	1.7	1.18	1.48
2015	1.56	1.35	1.96	1.98	1.35	1.64
2016	1.27	1.2	1.88	1.88	1.38	1.52
2017	1.44	1.55	1.97	1.61	1.25	1.56
FY 19 2018	1.35	1.54	2.13	2.35	1.3625	1.75
FY 20 2019	1.21	1.36	1.9	2.08	1.38	1.59
Partial 2021	1.09	1.12	1.75	1.81	1.13	1.38
Total Averages	**1.37**	**1.42**	**1.94**	**1.89**	**1.34**	**1.59**





Training Script for Scorers

Introduction: Welcome all the scorers and thank them for participating. Introduce everyone. Provide an overview of the day. Training will be approximately 1 hour including a video. After training, the scorers will convene at the van. The scorers will conduct 2-3 sample Site scorings and will conduct the scoring for all Sites divided into Areas. The group will stop for lunch and breaks as needed. At the end of the day, the scorers will be asked to gather back at the meeting location to review the scoring process.

Background: Review the background information briefly. Information is included in the purpose, introduction, and research sections.

Keep America Beautiful, Inc. developed an approach to measuring litter, based on the research of our experts, Litter Measurement Technical Committee, field-testing, and review by selected Keep America Beautiful affiliates and state leaders. The Index has been designed to make your litter-prevention work easier and your reported results more credible. The results will help you quickly and reliably assess the litter situation in your community with the aim of achieving long-term, sustainable results. The purpose of the process is to gather information and not to point fingers. Over time, comparisons of the Index data can be used to evaluate results and identify what works locally to change attitudes and behaviors regarding litter and related community improvement issues.

Scoring: Discuss the scoring process. The Litter Index, section of the Community Appearance Index, is conducted annually, at approximately the same time. The affiliate may choose to conduct the Optional Indices. Distribute scorer packets and review score sheet and photos from the instructional materials. Explain part of the process is the consistency of using the 4-point Likert scale and definitions.

Review the descriptions, scale and photographs in Exhibit 4 and 5.

Show the local map including the Areas and Sites that will be scored.

Show the video: Show entire video and then during the Site review section provide your own commentary using the information outlined below:

1. The scoring leader will announce the Area and Site number and call "start" for each Site to be scored. When the entire Site has been viewed, the leader will call "stop."

2. Unless instructed otherwise, scorers should look left and right into alleyways, parking lots, businesses, residences, etc. to assess the overall Site. Both public and private property should be included. Consider the following:
    - How visible is the litter?
    - How continuous or frequent is the litter?
    - How difficult would it be to clean up the Site?
3. When stop is called, each scorer will write down a 1, 2, 3 or 4 opposite the appropriate Site number on the scoring sheet. The scorer should use a whole number only. Emphasize the scorer makes a decision on whether the Site most closely matches the descriptions provided and circles the applicable number.

4. During the scoring process, there should be no discussion among scorers.

5. Scorers may use the "notable conditions" column on the scoring sheet to indicate other circumstances, such as more litter at intersection, graffiti, illegal dumpsites, broken windows, or unkempt vegetation. This column can be used for listing conditions that might guide a work plan in one of the other Keep America Beautiful focus areas such as beautification or waste reduction and recycling.

6. When all Site scoring is complete, the scoring leader will collect the score sheets and check to be sure that all scoring sheets are complete.

If Optional Indices will be conducted, review Exhibit 6. Provide a brief review of the applicable local codes or ordinances related to each Optional Index. View the Optional Indices video.

Ask if the scorers have any questions.

Conclude by reviewing the agenda for the day. Ask scorers to make any calls needed and then turn off ringer before joining you in the van.

Litter Scale: Photographs

Score	Example
1 "Minimal or No Litter"	
2 "Slightly Littered"	
3 "Littered"	
4 "Extremely Littered"	

Litter Scale: Photographs

1 "Minimal No Litter"

Exhibit 5: Litter Scale: Photographs

2 "Slightly Littered"

Exhibit 5: Litter Scale: Photographs

3 "Littered"

Exhibit 5: Litter Scale: Photographs

4 "Extremely Littered"

Litter Scale Descriptions

Score	Instructions for Scores	Instructions for Scores
1 "Minimal or No Litter"	• Virtually no litter • 1 or 2 small items in a city block or equivalent • Collected quickly by 1 individual • Generally neat and tidy	Virtually no litter can be observed in the Site. The scorer may see one or two small items in a city block, or equivalent. Any litter seen could be collected quickly by one individual. The entire Site has a generally neat and tidy appearance.
2 "Slightly Littered"	• Small amount of litter • Eye is not continually grabbed by littered items • Site cleaned in a short period of time	Litter is obvious, but the eye is not continually grabbed by littered items. The Site could be cleaned in a short period of time.
3 "Littered"	• Visible litter catches your eye frequently • Organized effort for removal • Considerable effort to clean	Visible litter catches your eye frequently throughout the Site. An organized effort for removal is required with considerable effort to clean up the Site.
4 "Extremely Littered"	• Continuous amount of litter • Litter first thing noticed • Might include an illegal dump • Equipment may be required for removal • Strong impression of a lack of concern about litter	A continuous amount of litter is one of the first things noticed about the Site. Illegal dumpsites might be observed. Equipment may be required to clean up. There is a strong impression of a lack of concern about litter in the Site.

Consider the following:
How visible is the litter?
How continuous or frequent is the litter?
How difficult would it be to clean up the Site?

FOR IMMEDIATE RELEASE
CONTACT: Jasmine Duncan
Phone: 757-681-3477
jasmine.duncan@norfolk.gov
Nov. XX, 2021

THE CITY OF NORFOLK, KEEP NORFOLK BEAUTIFUL AND LITTERATI LAUNCH THE CITY FINGERPRINT PROJECT TO EXPAND DATA MONITORING SYSTEMS FOR LITTER PREVENTION

Developing solutions for a litter-free world: The project will set a baseline for understanding litter conditions in Norfolk, evaluate litter prevention solutions and connect data across the Litterati platform.

Norfolk, VA

The global litter data science company, Litterati recently selected the city of Norfolk VA and Keep Norfolk Beautiful, along with Hayward CA and Memphis TN, to participate in the exciting new ***City Fingerprint Project using the Analyze platform.*** Analyze allows cities to take a data science approach to develop a litter composite baseline throughout a certain section of the city such as commercial corridors or illegal dumping hotspots, and provides government partners with the who, what, where and when data on litter so that the city can better develop strategies to prevent litter.

The City Fingerprint Project expands on this platform to cover more geographic research areas than is currently exists in Analyzes scope. The project also expands the research through four evaluation periods in Norfolk to monitor changing conditions, as well as determine which litter prevention interventions are working and which are not.

Norfolk (Official) says of the opportunity, "

Keep Norfolk Beautiful has been working tirelessly with their Love Our City, Litter Free Norfolk campaign, utilizing a variety of public awareness, education, and outreach to mitigate litter and illegal dumping, which has seen an exponential increase during the COVID-19 pandemic. During the past eighteen months, t volunteer outreach activities included Adopt-A-Spots, community cleanups, special waste collections, green education, beautification efforts, and resident and business partnerships with the Green Bucket Brigade litter kit adoption project.

Litterati is very excited to work with a city like Norfolk that has such strong dedication to using data in all their efforts, including those of Keep Norfolk beautiful, to make their city smarter and a better place to live and work for residents and the business community.

“You can’t solve a problem without first understanding it,” explains Litterati Founder and CEO Jeff Kirschner. “Norfolk is taking the first step to getting to the root of their litter problem.”

The City Fingerprint Project launched in Norfolk on November 18th and will continue for the entire year to conduct four litter monitoring periods, culminating with a final report on litter composition and evaluation of effective prevention strategies for Norfolk.

About the City of Norfolk

About Keep Norfolk Beautiful

As the local Keep America Beautiful affiliate, and division in the Department of Norfolk Public Works, Keep Norfolk Beautiful leads our community to reduce litter, recycle right, and beautify Norfolk through education and volunteerism.

About Litterati

Litterati is a global litter intelligence company using machine learning and data science to help cities get to the root cause of litter.

Media Contact:
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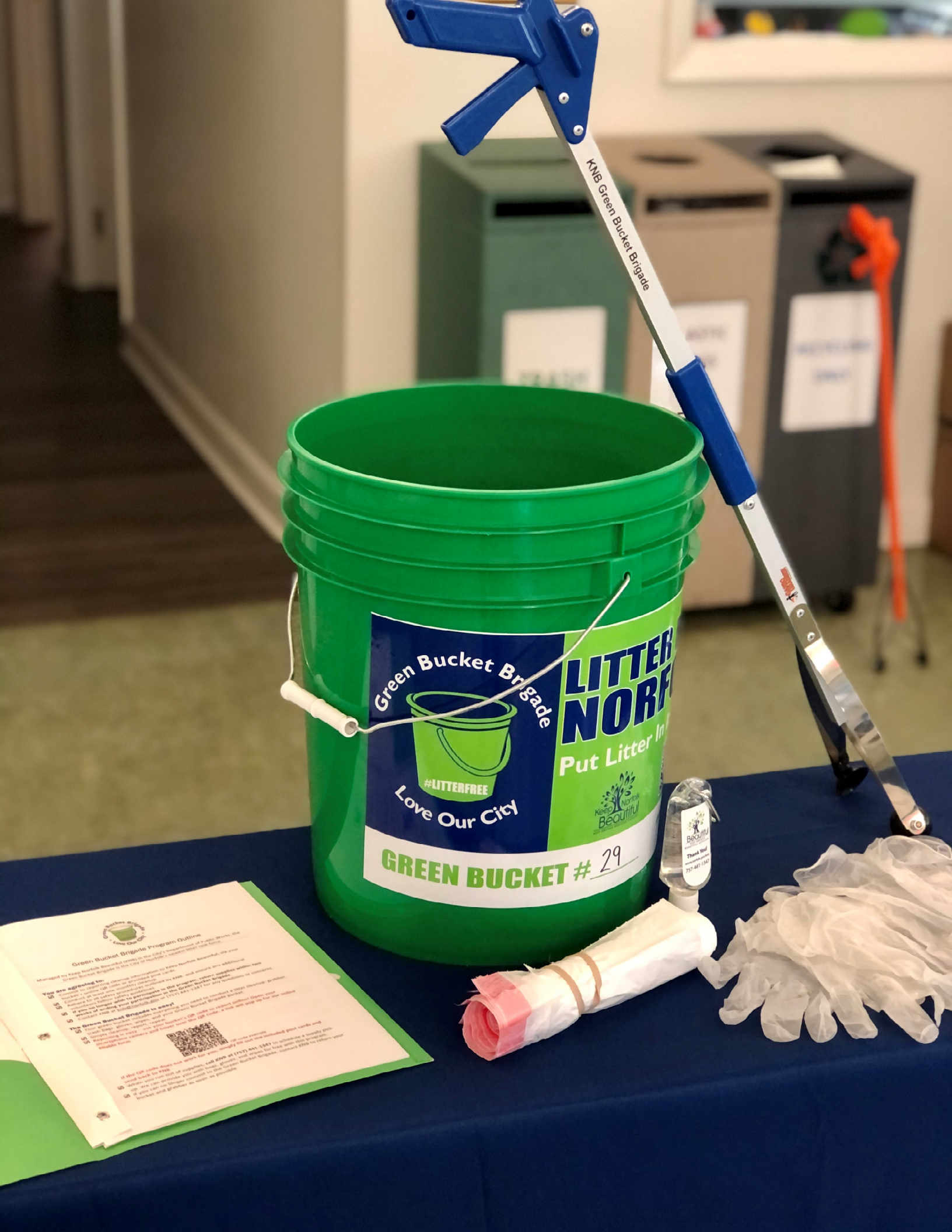
HAMPTON ROADS TRANSIT
1 OCEAN VIEW GRANBY ST
LITTER FREE NORFOLK
Leave No Trace. Put Litter In Its Place!
Our CITY
2026
LITTER FREE NORFOLK
Our CITY


KNB Green Bucket Brigade
Green Bucket Brigade
#LITTERFREE
Love Our City
LITTER
NORF
Put Litter In
Keep Norfolk Beautiful
GREEN BUCKET # 29
Green Bucket Brigade Program Outline

Green Bucket Brigade

First Name	Last Name	Email	Phone	Zip	Type	Name of Organization	Litter Kit #	Pickup Date
Lavonne	Pledger	lavonne.pledger@norfolk.gov	7574411765	23517	Club/Organization	Norfolk RPOS	1	10/20/2021
Rachel	Smith	e.rachel.smith@protonmail.com	7573398211	23513	Individual		2	3/26/2021
Rosemary	Morton	rosie1959@gmail.com	757 286-6102	23509	Individual		3	4/15/2021
Jennifer	Adams	Jkadams@cox.net	7576813400	23509	Individual		4	4/15/2021
Andrew	Whitfield	awhit140@gmail.com	757-297-3029	23503	Individual		5	4/15/2021
Tracy	Cullinan	tborczyk@gmail.com	708-717-8926	23505	Individual		6	4/19/2021
Jared	Beasley	jaredcbeasley@gmail.com	7852489100	23517	Individual		7	8/2/2021
Martina	Dunlap	dunlap.martina@gmail.com	757-739-8336	23505	Individual		8	4/21/2021
Melanie	Wills	coolwills5@aol.com	7576529327	23505	Individual		9	4/27/2021
Ayla	Marhev	ayla.marhev@gmail.com	9079874935	23505	Individual		10	6/14/2021
Andrea	Griffith	a.griffin9@verizon.net	757-652-4904	23508	Individual		11	4/19/2021
Ivan	Ash	Ivan.k.ash@gmail.com	757-679-5463	23503	Individual		12	4/14/2021
Chaevis	El	chefchaevis@gmail.com	7573873656	23504	Business		13	4/15/2021
Ken	Danser	twodansers@aol.com	7575363031	23505	Individual		14	4/15/2021
Adora	Parker	adoraparker@gmail.com	757-636-9393	23517	Individual		15	4/19/2021
Jan	House	imblesed@gmail.com / naacpcommunitycoord@gmail.com	7574093342	23513	Club/Organization	Norfolk NAACP & Seniors Aging Gracefully	16	6/8/2021
Jon	Landis	jonlandis@me.com	717-814-2696	23503	Individual		17	5/24/2021
Sheri	Hogue	smlawnz2@gmail.com	757-761-5832	23518	Individual		18	4/21/2021
Tamara	Hall	Thb.messages@yahoo.com	5127120324	23505	Individual		19	4/21/2021
Reina	Fernandes	rfernandes@hotmail.com	7573513641	23513	Individual		20	4/21/2021
Roberto	Lovik	robertolovick182@gmail.com	7575891602	23504	Individual		21	4/22/2021
Kristin	Macak	kmacak@gmail.com	850-240-0175	23503	Individual		22	6/15/2021
Rebecca	Luce	rebeccajluce@gmail.com	7574048072	23505	Individual		23	4/23/2021
Kim/Emma	Reaghard	reaghard@aol.com	757-376-7865	23508	Individual		24	6/15/2021
Christina	Masslock	ec.mlock@outlook.com	757-401-3462	23503	Individual		25	6/15/2021
Yolanda	Stoner	yolandastoner3@yahoo.com	7572773988	23504	Individual		26	6/10/2021
Susan	Collins	beach4susie@yahoo.com	757-581-8465	23518	Individual		27	6/16/2021
Jennifer	VanDavier	jvandavier@smhdc.org	7576222208	23502	Club/Organization	Albero House	28	8/2/2021
Esi	Langston	esi.langston@gmail.com	3016550280	23508	Individual		29	7/26/2021
East Ocean View Community and Senior Center			(757) 441-1785	23518	Club/Organization	East Ocean View Community Center	30	7/9/2021
Lambert's Point Community Center			(757) 423-1088	23508	Club/Organization	Lambert's Point Community Center	31	7/9/2021
Norview Community Center			757-441-1440	23513	Club/Organization	Norview Community Center	32	7/9/2021
Maddy	Ruth	allyson.moore@hotmail.com	7575362579	23573	Individual	(Sharing Bucket with Allyson Moore)	33	8/24/2021
Kathy	Moore	kmoore1234@cox.net	7576476606	23505	Individual		34	6/16/2021
Gail	Irby	gailandthebear@aol.com		23505	Individual		35	6/16/2021
Nicole	Knudson	ladyfernsnativeplants@cox.net	7576786041	23508	Business	Lady Ferns Native Plants	36	8/23/2021
Brian	Barnes	rev.brianbarnes@gmail.com	7575352821	23518	Faith Group	Azalea Baptist Church	37	8/24/2021
Stacy	McKinney	stacy870225@gmail.com	7575124031	23513	Individual		**38**	12/21/2021
Naomi	Lederman	ledermannaomi@gmail.com	540-335-7931		Individual		39	7/21/2021
Debbie	Kitchell	stretch5891@gmail.com	7576425891	23510	Individual		40	8/20/2021
Dee	Hall	thedeehall@gmail.com	7573091871	23508	Business	Mermaid City Flowers	41	8/13/2021
Tiffany	James	james.tiffany.k@gmail.com	7576460053	23505	Individual	**With Lorenzo Pettus (757-837-5307)	43	7/29/2021
Rob	Lauser	norfolkroundnet@gmail.com	609-605-5453	23503	Club/Organization	Norfolk Roundnet	44	7/19/2021
Drew	Normand	normand.drew1982@gmail.com	757-202-9958	23508	Individual		45	7/14/2021
Tinee Giant					Business	Tinee Giant	46	7/2/2021
Tinee Giant					Business	Tinee Giant	47	7/2/2021
Tinee Giant					Business	Tinee Giant	48	7/2/2021
Mary	Babcock	ballentine2001@aol.com	7576151648	23509	Individual		49	7/13/2021
Kelly	Flammia	kellyflammia@gmail.com	8044774560	23503	Individual		50	8/25/2021
Tinee Giant					Business	Tinee Giant	51	7/2/2021
Tinee Giant					Business	Tinee Giant	52	7/2/2021
Tinee Giant					Business	Tinee Giant	53	7/2/2021
Tinee Giant					Business	Tinee Giant	54	7/2/2021
Tinee Giant					Business	Tinee Giant	55	7/2/2021
Tinee Giant					Business	Tinee Giant	56	7/2/2021
Tinee Giant					Business	Tinee Giant	57	7/2/2021
Tinee Giant					Business	Tinee Giant	58	7/2/2021
Sam	Haga	sam@hagaguitars.com	7576173005	23507	Business	Haga Guitars	60	8/20/2021
David	Hausmann	david@toastplace.com	7577499880	23517	Business	Toast	61	7/28/2021
Sia	Alexander	siachinye@gmail.com	5103321470	23510	Business	Pure Lagos	62	8/25/2021
Sara	Conde	saraconde25@gmail.com	7575538675	23505	Individual		63	8/9/2021
Mike	Oehler	safety@etgresham.com	7576274583	23517	Business	ET Gresham	64	8/10/2021
Wanda	Turner	wanda.turner14@gmail.com	7573392339	23504	Club/Organization	Middle Town Arch, Broad Creek Civic Leag	65	8/20/2021
Sandy	Gerhardt	oregon91@cox.net	7575747638	23518	Individual		66	8/20/2021
Donna	Hager	dhagertate@icloud.com	7576856758	23600	Individual		67	8/20/2021
Patricia	Howarth	barneysbuddies757@gmail.com	7576139059	23509	Business	Barney's Buddies	68	8/20/2021
Wanda	Turner	wanda.turner14@gmail.com	7573392339	23504	Club/Organization	Middle Town Arch, Broad Creek Civic Leag	69	8/20/2021
Tishauna	Brevard	tishauna.brevard@norfolk.gov	7578060300	23513	Club/Organization	Norfolk RPOS	70	10/20/2021
Jeffrey	Gross	j.g.gross.jr@gmail.com	7817303473	23501	Club/Organization	USS Whidbay Island FCPOA	71	10/20/2021
Julia	Cornelius	cornelius.jul@gmail.com	7576348129	23510	Individual		72	11/17/2021
Katelyn	Ott	katieg04@msn.com	7576207071	23503	Individual		73	10/20/2021
Cathlyn	McPoland	aprilfoolgirl60@gmail.com	7572189080	23513	Individual		74	12/2/2021
Bonnie	Gordon-Rabinowitz	bonnie.rabinowitz@gmail.com	7576180471	23507	Individual		75	11/1/2021
Darryl	Huff	huffdarryl62@yahoo.com	7573896510	23704	Club/Organization	King Cyprus 729	76	10/20/2021
Oliver	Love				Individual		77	10/20/2021
Joseph	Garcia	acethunderdragon@gmail.com	5125578111	23704	Club/Organization	CVN-78 CAT-EL	78	12/2/2021
Jeff	Stark	jstarkitect@cox.net	7575509025	23508	Individual		79	12/13/2021
Casey	Reed	cjlandrum@gmail.com	7578697311	23508	Individual		80	12/13/2021
Athena	Karn	karnartinc@gmail.com	7572147687	23507	Business	Otzi Tattoo Agency	81	12/14/2021
Talia	Tennant	talia@benchtopbrewing.com	7577734457	23507	Business	Benchtop Brewing	82	12/14/2021
Alissa	Wilson	alissa.wilson@shrhabitat.org	7578971163	23504	Business	Habitat for Humanity SHR	84	12/14/2021
Sharon	McGlone	sbt54@aol.com	7574063180	23508	Individual	CPRV Civic League	85	12/14/2021
Ashley	Olin	Adolin83@gmail.com	7573166526	23508	Individual		86	12/14/2021
Christine	Dore	christinedore7@gmail.com	6197561350	23507	Individual		**87**	1/18/2022
Carmen	Bryant	carmens28stude@gmail.com	7574036756	23503	Individual		**88**	1/18/2022
Eco	Best	ecochef999@hotmail.com / kal_91@hotr	7575350738	23513	Individual		**89**	2/14/2022
Nicolas	Fooy	nick.navy06@gmail.com	5869810277	23511	Individual	Navy - Community Service	**90**	2/8/2022
Brett	Darlington	bdarl003@odu.edu	3215369929	23462	Club/Organization	SEAD	**91**	2/19/2022
David	Rosenthal	david.rosenthal@norfolk.gov	7574415678		Club/Organization	City of Norfolk Utilities	**92**	2/8/2022
Alissa	Bunner	larrymorePTA@gmail.com	7573731675	23518	Other	Larrymore Elementary	**93**	3/23/2022
Dusti	Johnson-Brinker	dustirj@aol.com	7577178260	23503	Club/Organization	Greater Pinewell Civic League	**94**	4/8/2022
Heather	Galbreath	hgbluesky2day@gmail.com	7575363319	23513	Individual		**95**	2/2/2022
Dusti	Johnson-Brinker	dustirj@aol.com	7577178260	23503	Club/Organization	Greater Pinewell Civic League	**96**	4/8/2022
David	Rosenthal	david.rosenthal@norfolk.gov	7574415678		Club/Organization	City of Norfolk Utilities	**97**	2/8/2022
Peggy	Scott	tarralltontigers@yahoo.com	7572394405	23518	Individual		**97**	2/1/2022
Debbie	Baker	debca44@gmail.com	7576205200	23518	Individual		**98**	2/4/2022
Dusti	Johnson-Brinker	dustirj@aol.com	7577178260	23503	Club/Organization	Greater Pinewell Civic League	**98**	4/8/2022
Dusti	Johnson-Brinker	dustirj@aol.com	7577178260	23503	Club/Organization	Greater Pinewell Civic League	**99**	4/8/2022
Mary	Pittman	chessie757@gmail.com	7578034887	23505	Individual		**100**	1/31/2022
Dane	Blythe	Blythedu13@aol.com	7575371700	23508	Individual		**102**	2/1/2022
Zoe	Amon	zoe.amon1015@gmail.com	8505724564	23508	Individual		**103**	2/1/2022
David	Rosenthal	david.rosenthal@norfolk.gov	7574415678		Club/Organization	City of Norfolk Utilities	**104**	2/8/2022
Raychel	Smithson	rsmithson@norfolkspca.org	7576223319	23504	Club/Organization	Norfolk SPCA	**110**	4/21/2022
Niki	Jeffrey	nikijeffrey85@gmail.com	7576393607	23518	Individual			8/10/2021
Jennifer	Torres	jenniferdauertorres@yahoo.com	7572861527	23505	Individual			2/8/2022
Alexendre	Migala	migalaaf@yahoo.com	2547023845	23503	Individual		**112**	6/29/2022
Terry	Jerome	jerome.terry46@gmail.com	7573528231	23503	Business	Renthouse	**117**	6/13/2022
Terry	Jerome	renthousecraigslist@gmail.com	7573528231	23503	Business	Renthouse	**118**	6/13/2022
Terry	Jerome	renthousecraigslist@gmail.com	7573528231	23503	Business	Renthouse	**119**	6/13/2022

Special Waste Collection Event

NOVEMBER 13

9 AM - Noon

Southside STEM Academy
1106 Campostella Road

FREE drive-thru and walk-up drop-off event for Norfolk Residents!

Household hazardous waste

Electronics

Secure, on-site shredding

Plastic bags and clear film

FREE Tree and bush giveaway!

Keep Norfolk Beautiful
KEEP AMERICA BEAUTIFUL AFFILIATE

Learn more at www.norfolk.gov/knb

Accepted Items

Household Hazardous Waste - SPSA Norfolk

- Cooking oil
- Kitchen & bathroom cleaners
- Bleach
- Pesticides (indoor and outdoor use)
- Vehicle oils and fluids
- Vehicle batteries
- Batteries
- Light bulbs
- Compact fluorescent bulbs
- Mercury containing thermometers and thermostats
- Aerosol cans & propane tanks
- Nail polish remover

Electronics - Goodwill

- Gaming consoles
- LCD & CRT Monitors
- streaming devices
- Laptop & desktop computers
- Smart TV's
- Printers
- Blu-ray, CD & DVD players
- Cell phones & tablets
- Routers, modems & docks
- Wires, cords & cables
- Digital cameras
- Audio equipment

Plastic Bags and Wrap

- Plastic grocery bags
- Paper towel and toilet paper wrap
- Clear plastic packaging wrap
- **No cellophane**

Document Shredding - Iron Mountain

Norfolk residents may bring personal documents for on-site, secure shredding. Standard office staples do not need to be removed. Large, industrial size staples **must** be removed.

*Vendors reserve the right to not accept items.

LEARN MORE ABOUT ACCEPTABLE ITEMS FOR DROP-OFF AT

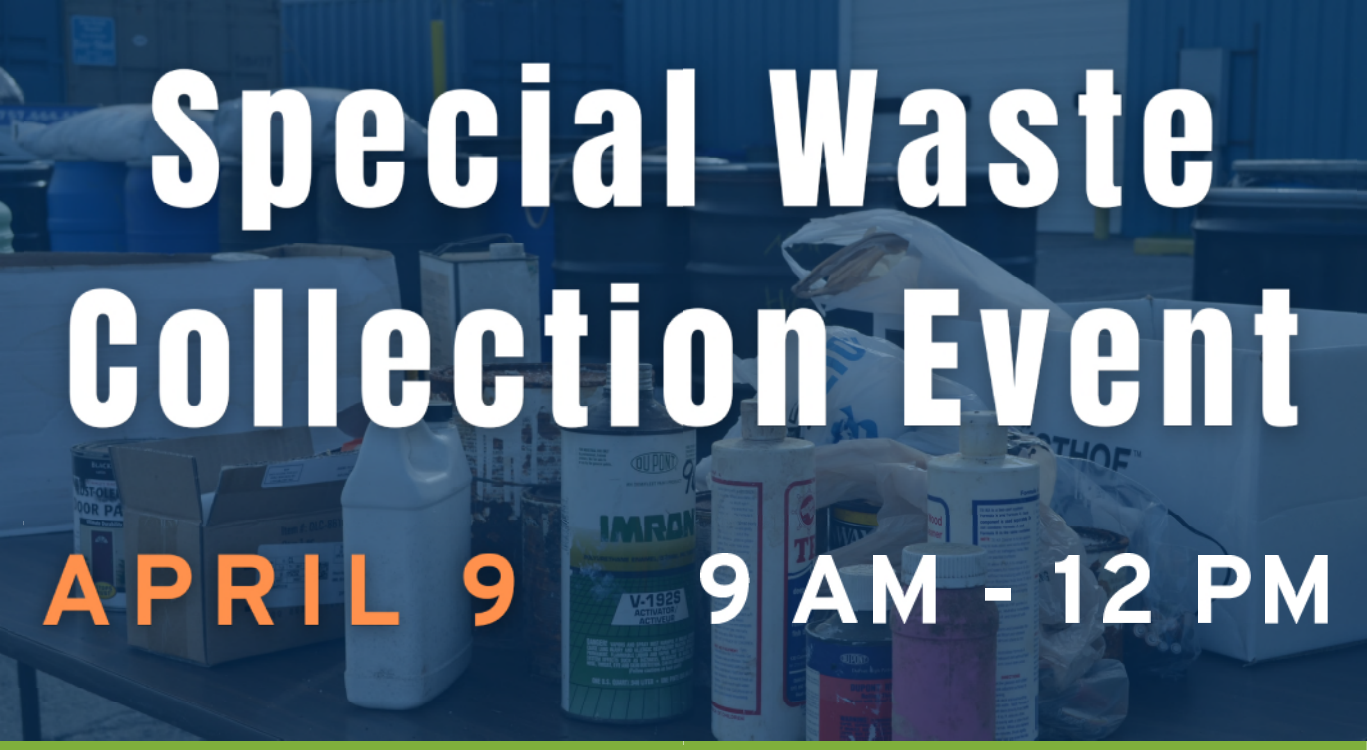
WWW.NORFOLK.GOV/KNB

Keep Norfolk Beautiful
Recycles Day Event
Southside STEM
Academy

11/13/2021

Inventory of Collected Materials				
	Gallons	**Count**	**Drum (55 Gal)**	**Pounds**
Latex Paint	300			2999
Antifreeze	55			422
Used Oil	165			1267
Gasoline	27			166
Acids	4			33
Liquid Poison	160			1348
Solid Poison				45
Aerosols		16	0.50	24
Alkaline Batteries				40
Other Batteries		8		80
Oxidizers				30
Cleaners	14			118
Kerosene	0			
Lead Acid Batteries		5		195
Propane Tanks		4		73
Helium Tanks		2		94
Fluorescent Bulbs		12		5
Paint related materials	55			464
Used cooking Oil	5			38
Fire Extinguishers		2		10
				7451

Norfolk Residents 180



Special Waste Collection Event

APRIL 9 9 AM - 12 PM

Southside STEM Academy
1106 Campostella Road

FREE drive-thru and walk-up drop-off event for Norfolk Residents!

Household hazardous waste

Grocery bags and clear film

Foodbank of Southeastern Virginia and the Eastern Shore

Bring donations to support your local Foodbank

Electronics

Secure, on-site shredding

Keep Norfolk Beautiful
KEEP AMERICA BEAUTIFUL AFFILIATE

Learn more at
www.norfolk.gov/knb
knb@norfolk.gov

Accepted Items

Household Hazardous Waste - SPSA Norfolk

- Cooking oil
- Kitchen & bathroom cleaners
- Bleach
- Pesticides (indoor and outdoor use)
- Vehicle oils and fluids
- Vehicle batteries
- Batteries
- Light bulbs
- Compact fluorescent bulbs
- Mercury containing thermometers and thermostats
- Aerosol cans & propane tanks
- Nail polish remover

Electronics - Goodwill

- Gaming consoles
- LCD & CRT Monitors
- streaming devices
- Laptop & desktop computers
- Smart TV's
- Printers
- Blu-ray, CD & DVD players
- Cell phones & tablets
- Routers, modems & docks
- Wires, cords & cables
- Digital cameras
- Audio equipment

Plastic Bags and Wrap

- Plastic grocery bags
- Paper towel and toilet paper wrap
- Clear plastic packaging wrap
- No cellophane

Document Shredding - Iron Mountain

Norfolk residents may bring personal documents for on-site, secure shredding. Standard office staples do not need to be removed. Large, industrial size staples **must** be removed. No other metal or plastic.

Foodbank of Southeast Virginia

- Spaghetti sauce
- Canned fruit
- Feminine hygiene items
- Deodorant
- Cereal
- Oatmeal
- Shampoo
- Adult Diapers
- Peanut butter
- Pasta
- Baby food & formula
- baby diapers

*Vendors reserve the right to not accept items.

LEARN MORE ABOUT ACCEPTABLE ITEMS FOR DROP-OFF AT

WWW.NORFOLK.GOV/KNB | 757-441-1347

Keep Norfolk Beautiful
Recycles Day Event
Southside STEM
Academy

4/9/2022

Inventory of Collected Materials				
	Gallons	**Count**	**Drum (55 Gal)**	**Pounds**
Latex Paint	315			3149
Antifreeze	30			230
Used Oil	88			675
Gasoline	16			98
Acids	4			34
Liquid Poison	125			1082
Solid Poison				50
Aerosols			0.50	106
Alkaline Batteries				25
Other Batteries		12		10
Oxidizers				10
Cleaners	25			215
Kerosene	0			0
Lead Acid Batteries		7		280
Propane Tanks		6		102
Helium Tanks		1		14
Fluorescent Bulbs		10		4
Paint related materials	75			749
Used cooking Oil	10			76
Fire Extinguishers		4		40
total pounds				6949
Norfolk Residents	167			

April 9 2022 Special Waste Collection Event Totals

Number of Organizations Involved Number of partners	Single Stream/Commingled TFC Recyclables (lbs)	Single Beverage Containers	Shredding	Plasitc Bags and Film Plastic bag collection (lbs)	Electronics Collected (lbs)	Hand-Held Devices Collected	Clothing/Textiesl (lbs)	Other Recyclables Collected All other HHW (lbs)	Total Pounds	Number of Volunteers	Total Volunteer Hours Worked	Total Value of Volunteer Hours	Total Volunteers hours	Length of Event (in hours)	Total Participants
4			2140	83	920	320		6,949	10412	16	4	$ 1,712.00	64	3	123

July 24 2022 Special Waste Collection Event Totals

Number of Organizations Involved Number of partners	Single Stream/Commingled TFC Recyclables (lbs)	Single Beverage Containers	Shredding	Plasitc Bags and Film Plastic bag collection (lbs)	Electronics Collected (lbs)	Hand-Held Devices Collected	Clothing/Textiesl (lbs)	Other Recyclables Collected All other HHW (lbs)	Total Pounds	Number of Volunteers	Total Volunteer Hours Worked	Total Value of Volunteer Hours	Total Volunteers hours	Length of Event (in hours)	Total Participants
1	0	0	0	10	0			1,857	1866.5	13	4	$ 1,283.88	52	3	17

November 13 2022 Special Waste Collection Event Totals

Number of Organizations Involved Number of partners	Single Stream/Commingled TFC Recyclables (lbs)	Single Beverage Containers	Shredding	Plasitc Bags and Film Plastic bag collection (lbs)	Electronics Collected (lbs)	Hand-Held Devices Collected	Clothing/Textiesl (lbs)	Other Recyclables Collected All other HHW (lbs)	Total Pounds	Number of Volunteers	Total Volunteer Hours Worked	Total Value of Volunteer Hours	Total Volunteers hours	Length of Event (in hours)	Total Participants
4	0	0	8300	80	3500		210	7451	19541	16	4	$ 1,580.16	64	3	175

SOP 652

DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENVIRONMENTAL
STORM WATER MANAGEMENT
HIGH-RISK COMMERCIAL AND INDUSTRIAL OUTFALL INSPECTION PROGRAM

DATE WRITTEN: May 13, 2014
DATE REVISED: June 28, 2017; November 25, 2019; February 10, 2020
PREPARED BY: June Whitehurst, Environmental Program Manager; Casey Magruder, Environmental Program Administrator
REVIEWED BY: John M. White, Storm Water Engineer
FILE PATH:
REFERENCE: MS4 Permit; City Ordinances; SOP628, Storm Water Infrastructure Inspection Program
DISTRIBUTION: Management Services; Operations

PURPOSE/OBJECTIVE:

To meet regulatory requirements outlined in Part I.A.2.g of the MS4 permit.

To define guidelines, protocols, and procedures for the high-risk Commercial and Industrial "outfall" Inspection Program. The purpose of this program is to identify and control pollutants in storm water discharges from commercial and industrial facilities that have been identified in the MS4 permit as high risk of discharging pollutants to the City's MS4.

This SOP is to be used by Public Works Storm Water staff to assist with the implementation of the program.

BACKGROUND:

The City of Norfolk is mandated by federal and state law, as well as the City's MS4 VPDES Permit, VA0088650, to monitor and control pollutants in storm water discharges from the City storm water conveyances. One component of the program is the detection and elimination of illicit discharges into the City's MS4 system.

Facilities operating under a VPDES permit issued by DEQ are required to meet certain effluent standards and implement best management practices depending upon the nature of the activity undertaken at the facility and are inspected by the State.

The focus of the City's program will be on those high-risk commercial and industrial sites which have a point source outfall from the facility directly into City's MS4 system.

DEFINITIONS:

Best Management Practices (BMP's) – Schedules of activities, practices (and prohibitions of practices), structures, vegetation, maintenance procedures, and other management practices to prevent or reduce the discharge of pollutants to surface waters. BMP's also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

High-risk Facilities – Any industrial or commercial facility that discharges to the MS4 that has been determined to contribute a significant pollutant loading (e.g. municipal landfills, TSD facilities, hazardous waste TSD facilities, facilities subject to EPCRA Title III, Section 313, facilities with

DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENVIRONMENTAL
STORM WATER MANAGEMENT
HIGH-RISK COMMERCIAL AND INDUSTRIAL
OUTFALL INSPECTION PROGRAM

VPDES industrial permits etc.).

Illicit Discharge – Discharge to the storm water system that is not comprised entirely of rainwater or an authorized discharge. Illicit discharges are often, but not limited to, petroleum products (i.e., motor oil, antifreeze, hydraulic oil, transmission fluid, etc.), paint and solid waste.

MS4 VPDES Permit – Municipal Separate Storm Sewer System Virginia Pollution Discharge Elimination System is a permit issued to the City of Norfolk by the state of Virginia authorizing, under prescribed conditions, the potential or actual discharge of pollutants from a point source to surface waters. Best management practices and good housekeeping practices must be implemented and maintained to the maximum extent practicable to reduce the pollutants from discharging to natural waterways of the US.

RESPONSIBILITIES:

Division – The Department of Public Works, Division of Environmental Storm Water Management is the administrator of the MS4 VPDES Permit, VA0088650. Environmental staff ensures compliance with the VPDES permit associated with illicit discharges to the storm water system.

Environmental Staff develop and maintain a list of high priority commercial and industrial facilities. This list is reviewed and updated annually. Staff conduct the outfall inspection at these industrial and commercial high-risk facilities.

PROCEDURES:

1) Identify known industrial and commercial high-risk facilities:

The City obtains a list of current VPDES industrial storm water permit holders in the City of Norfolk from the DEQ Comprehensive Environmental Database System (CEDS). The CEDS data can be accessed via the following link:
http://www.deq.virginia.gov/programs/water/permittingcompliance/pollutiondischargeelimination/permitsfees.aspx

No exposure certifications issued by DEQ exclude a facility from requiring a permit for storm water discharges associated with industrial activity. These certifications only apply to industrial facilities when all industrial materials and activities are protected by a storm-resistant shelter to prevent exposure to rain, snow, snowmelt, and/or runoff. A list of facilities in the City of Norfolk that hold no exposure certifications is also requested.

A list of business licenses in the City of Norfolk will be requested and received from the Commissioner of the Revenue's office. From this information, a prioritized inventory of high-risk commercial and industrial businesses is developed. City staff cross reference the business licenses with DEQ VPDES Industrial permitted facilities and no-exposure facilities. Facilities operating under a no exposure certification issued by DEQ are excluded from this inspection program. Additionally, facilities that sheet flow or discharge directly to state waters will be also excluded from the City's inspection program.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENVIRONMENTAL
STORM WATER MANAGEMENT
HIGH-RISK COMMERCIAL AND INDUSTRIAL OUTFALL INSPECTION PROGRAM

The list of high-risk facilities will be refined throughout the permit cycle. Industrial and commercial properties removed from the inspection program will be documented with justification.

2) Prioritize high-risk facilities:

Currently, the City prioritizes facility outfall inspections by concentrating on those commercial and industrial entities that have been identified as high-risk facilities in the MS4 permit. This prioritized inventory of target businesses includes:

High-risk Facilities:

- VPDES Industrial sites
- High-priority City municipal facilities
- Car wash/auto detailing facilities (including new/used car dealerships and rental facilities)
- Junk dealers
- Auto repair shops (mechanical and body)
- Transportation services (tow truck, taxi)
- Gas/service stations
- Nurseries
- Marinas
- Pet care facilities (kennels, day care)
- Waste Management Solid Waste Collection Sites / Material Recovery Facilities

The Department of Fire-Rescue permits and inspects commercial and industrial facilities subject to Section 313 of SARA Title III. The Department of Fire-Rescue also permits and monitors demolition certificates, fireworks performances, hazardous materials storage, underground fuel tanks filling or removal, and welding or cutting metal. These facilities will also be excluded from the Commercial/Industrial Inspection Outfall Program inspection inventory.

3) VDPES Industrial Facility DMR Review

On an annual basis, the City will track submittals of all discharge monitoring reports (DMR's) by current VPDES industrial permit holders in the City of Norfolk. These documents will be used to identify and investigate facilities contributing significant pollutant loadings to the environment. Facilities that have not submitted a copy of their DMR to the City by June 30th of each year will be reported to DEQ by the annual report process.

4) Develop and implement a standard high-risk outfall inspection program:

The high-risk facilities outfall/tie-in inspections occur during the standard storm water preventative maintenance inspection program. This program consists of visual inspections of the storm water infrastructure including catch basins, manholes or drop inlets. The Inspector observes the structure for dry weather or illicit discharges from the facilities; if discovered the source is identified and eliminated. Details of the inspection program can be found in SOP657.

Upon discovery of an unauthorized discharge, the inspector will refer facilities to the DEQ TRO for the following:

DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENVIRONMENTAL
STORM WATER MANAGEMENT
HIGH-RISK COMMERCIAL AND INDUSTRIAL
OUTFALL INSPECTION PROGRAM

- Facilities that have non-stormwater discharges that do not currently have coverage under and existing VPDES industrial permit,
- Facilities that do not have coverage under an existing VPDES industrial permit and have been identified as required to obtain VPDES industrial permit coverage, and
- VPDES permit facilities that have evidence of significant pollutant loading.

5) Prepare reports to document inspection activities:

Standard high-risk facility outfall/tie-in inspections are documented and tracked by the preventative maintenance inspector. Documentation of the high-risk facilities completed will be reported to DEQ in the annual report.

Facilities that are referred to DEQ will also be tracked and reported in the City's annual report.

6) Analyze trends and modify/improve the program as necessary:

The overall success of the high-risk Commercial and Industrial Outfall Inspection Program will be measured through the successful implementation of outfall inspections as part of the program. Success will also be measured by the number of inspections conducted, and the number of problems discovered and resolved.

Program assessment will be submitted with each annual report discussing the activities completed for the previous program year. This will include a report on inventory, including the type and total number of facilities inspected.

Due to the ever-evolving nature of the program the inventory will be evaluated and updated. The program will exclude those properties that do not have a point source discharge directly to the City's MS4 or do not have the potential to pollute the MS4.

APPROVED:

John M. White
Storm Water Engineer
Public Works, Division of Environmental Storm Water Management

FY2022 Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Schedule Date	Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2022	Feb-22	2/1/22	TINEE GIANT #147	123 W OCEAN VIEW AVE	COASTAL INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	2	WEST OCEAN VIEW
	2022	Feb-22	2/1/22	COMPETITIVE BUSINESS SYSTEMS INC	413 PINEWELL DR	COMPETITIVE BUSINESS SYSTEMS INC	485999.00	All Other Passenger Transportation	2	WEST OCEAN VIEW
	2022	Feb-22	2/1/22	C/O BLACK & WHITE CAB	124 DUPRE AVE	CANTRELL, DAVID L	485310.00	Taxi	2	WEST OCEAN VIEW
	2022	Feb-22	2/1/22	ANNAS TOWING OF NORFOLK	9665 1ST VIEW STREET	ALL-CITY TOWING & RECOVERY INC	488410.00	Tow Truck Services	2	WEST OCEAN VIEW
	2022	Feb-22	2/1/22	COAST 2 COAST OF NORFOLK	9665 1ST VIEW STREET	ALL-CITY TOWING & RECOVERY INC	488410.00	Tow Truck Services	2	WEST OCEAN VIEW
	2022	Mar-22	3/3/22	ENTERPRISE RENT-A-CAR	6252 E VIRGINIA BEACH BLVD	ENTERPRISE LEASING CO OF NFLK/RICH	532111.00	Passenger Car Rental	79	KEMPSVILLE
	2022	Mar-22	3/3/22	PERRY BUICK CO A CORP	6633 E VIRGINIA BEACH BLVD	PERRY BUICK CO	532111.00	Passenger Car Rental	79	KEMPSVILLE
	2022	Mar-22	3/3/22	B AUTOMOTIVE	6539 E VIRGINIA BEACH BLVD	B AUTOMOTIVE INC	811113.00	Automotive Transmission Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	THE AUTO CONNECTION	6401 E VIRGINIA BEACH BLVD	AUTO CONNECTION INC THE	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	RICK HENDRICK CHEVROLET	6252 E VIRGINIA BEACH BLVD	COLONIAL CHEVROLET CORP	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	CAR-LIFE TRANSMISSIONS	6420 E VIRGINIA BEACH BLVD	CAR-LIFE INC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	PERRY BUICK CO A CORP	6633 E VIRGINIA BEACH BLVD	PERRY BUICK CO	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	SHAFFER'S AUTO REPAIR INC	6539 E VIRGINIA BEACH BLVD	SHAFFER'S AUTO REPAIR INC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	CHECKERED FLAG HONDA	6541 E VIRGINIA BEACH BLVD	CHECKERED FLAG STORE #1 LLC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	COASTAL SAFETY BRAKE CENTER	6656 E VIRGINIA BEACH BLVD	BENNETT, SHARIF T	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	AUTO CONNECTION PREMIER COLLECTION	6401 E VIRGINIA BEACH BLVD	AUTO CONNECTION PREMIER COLL INC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	ACE AUTO	6539 E VIRGINIA BEACH BLVD	ACE AUTO LLC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	HAJJIS WHOLESALE	6400 E VIRGINIA BEACH BLVD	HAJJIS WHOLESALE LLC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2022	Mar-22	3/3/22	LUXURY AUTO SALES INC	6430 E VIRGINIA BEACH BLVD	LUXURY AUTO SALES INC	441110.00	New Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/3/22	TIRE STOP ONE	6646 E VIRGINIA BEACH BLVD	TIRE STOP ONE LLC	441320.00	Tire Dealers	79	KEMPSVILLE
	2022	Mar-22	3/4/22	THE AUTO CONNECTIOB1624:B1655N	6401 E VIRGINIA BEACH BLVD	AUTO CONNECTION INC THE	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/4/22	RICK HENDRICK CHEVROLET	6252 E VIRGINIA BEACH BLVD	COLONIAL CHEVROLET CORP	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/4/22	1 STOP AUTO	6440 E VIRGINIA BEACH BLVD	1 STOP AUTO DISCOUNTERS INC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/4/22	PERRY BUICK CO A CORP	6633 E VIRGINIA BEACH BLVD	PERRY BUICK CO	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/4/22	CHECKERED FLAG HONDA	6541 E VIRGINIA BEACH BLVD	CHECKERED FLAG STORE #1 LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/4/22	AUTO MAX	6530 E VIRGINIA BEACH BLVD	AMINA CORPORATION	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/4/22	CARAFELLO'S AUTO SALES LLC	6328 E VIRGINIA BEACH BLVD	CARAFELLO'S AUTO SALES LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/4/22	PORTAL AUTOMOTIVE	6626 E VIRGINIA BEACH BLVD	PORTAL AUTOMOTIVE INC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/7/22	HAJJIS WHOLESALE	6400 E VIRGINIA BEACH BLVD	HAJJIS WHOLESALE LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/7/22	ALL RIDE MOTORS	6336 E VIRGINIA BEACH BLVD	ALL RIDE MOTORS LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/7/22	Z AUTOMOTIVE	6512 E VIRGINIA BEACH BLVD	Z AUTOMOTIVE LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/7/22	518 WHOLESALE LLC	6328 E VIRGINIA BEACH BLVD	518 WHOLESALE LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2022	Mar-22	3/7/22	FIRST CLASS CHARIOTS LLC	6401 E VIRGINIA BEACH BLVD	FIRST CLASS CHARIOTS LLC	485320.00	Limousine Services	79	KEMPSVILLE
	2022	Mar-22	3/7/22	C J TRANSPORTOTION	6630 STONEY POINT SOUTH	JOSEPH, GLENFORD F	485310.00	Taxi	79	KEMPSVILLE
	2022	Mar-22	3/7/22	FIRST TRANSIT	6350 CENTER DR	FIRST TRANSIT INC	485999.00	All Other Passenger Transportation	79	KEMPSVILLE
	2022	Mar-22	3/7/22	ARISTIOCRAT TOWING INC	6539 E VIRGINIA BEACH BLVD	ARISTOCRAT TOWING INC	488410.00	Tow Truck Services	79	KEMPSVILLE
	2022	Apr-22	4/5/22	WARDS CORNER SHELL	7726 GRANBY STREET	RACIBORSKI, STANLEY W	811111.00	General Automotive Repair	25	WARDS CORNER
	2022	Apr-22	4/5/22	BINGO AUTO & TIRE SERVICE LLC	7718 GRANBY STREET	BINGO AUTO & TIRE SERVICE LLC	811111.00	General Automotive Repair	25	WARDS CORNER
	2022	Apr-22	4/5/22	WARDS CORNER SHELL	7726 GRANBY STREET	RACIBORSKI, STANLEY W	447110.00	Gas Station @ Convenience Store	25	WARDS CORNER
	2022	May-22	4/6/22	JOE'S TIRES & RIMS INC	1110 GRANBY STREET	GRANBY STORE INC	447110.00	Gas Station @ Convenience Store	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/6/22	JOE'S TIRES & RIMS INC	113 E PRINCESS ANNE RD	BOON'S CAR SALOON INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/6/22	TREADQUARTERS # 1038	113 E PRINCESS ANNE RD	BOON'S CAR SALOON INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/6/22	ACCURATE TUNE PLUS	116 W 25TH STREET	ALPINE MOTOR SPORTS LLC	811121.00	Auto Body & Paint Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/6/22	JOE'S TIRE & AUTO SALES	1200 MONTICELLO AVE	MILLERS II LLC	447110.00	Gas Station @ Convenience Store	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/6/22	BOON'S CAR SALOON	1201 MONTICELLO AVE	JOE'S TIRES & RIMS INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/6/22	7-ELEVEN #39536B	1202 GRANBY STREET	PASSAWALA INC	447110.00	Gas Station @ Convenience Store	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	JOE'S TIRES & RIMS INC	1209 MONTICELLO AVE	JOE'S TIRES & RIMS INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	TREADQUARTERS # 1038	1209 MONTICELLO AVE	JOE'S TIRE & AUTO SALES INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	JOE'S TIRE & AUTO SALES	1209 MONTICELLO AVE	JOE'S TIRES & RIMS INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	BOON'S CAR SALOON	1209 MONTICELLO AVE	JOE'S TIRE & AUTO SALES INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	JOE'S TIRE & AUTO SALES	1209 MONTICELLO AVE	JOE'S TIRE & AUTO SALES INC	441120.00	Used Car Dealer	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	ENVY LIMOUSINE	1209 MONTICELLO AVE	ENVY LIMOUSINE INC	485320.00	Limousine Services	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	RECYCLING PERKS LLC	1312 MONTICELLO AVE	WET AUTOMOTIVE SERVICES INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	GROOMINGDALE'S	1700 MONTICELLO AVE	MONRO MUFFLER BRAKE INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	FOREVER HOME REHABILITATION & TRAINING CENTER INC	1700 MONTICELLO AVE	MONRO MUFFLER BRAKE INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	ALLIANCE COLLISION CENTER	1855 CHURCH STREET	A M'S AUTO REPAIRS INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	STARK AUTO BODY REPAIR	209 W 25TH STREET	OCEANSIDE EXECUTIVE TRANSPORTATION	485310.00	Taxi	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	ALPINE MOTOR SPORTS LLC	220 E 25TH STREET	EGEE INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	BAUM'S SERVICE CENTER	220 W 25TH STREET	RICKS, RODNEY	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	FIRESTONE COMPLETE AUTO CARE #3956	222 W 21ST STREET	WARD, CHRYSTAL	812910.00	Pet Services (not Veterinary)	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	BOYD AUTOMOTIVE CENTER	240 W 25TH STREET	BAZEMORE, LLOYD L	811121.00	Auto Body & Paint Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	COASTAL IMPORT REPAIR LTD	240 W 25TH STREET	MUDSLIDE MOTORSPORTS LLC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	PRO'S AUTO REPAIR	240 W 25TH STREET	MUDSLIDE MOTORSPORTS LLC	441120.00	Used Car Dealer	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	A M'S AUTO REPAIRS INC	245 W 24TH STREET	MARTIN'S AUTO REPAIR INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	MIDWAY RADIATOR	2501 FAWN STREET	RECYCLING PERKS LLC	562998.00	Misc Waste Management	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	FRANKIE TIRE & AUTO SERVICES	2610 CHURCH STREET	YONO BROTHERS LLC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	MARTIN'S AUTO REPAIR	312 18TH STREET	CRYBABYS TOWING RECOVERY LLC	488410.00	Tow Truck Services	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/7/22	HOWELL'S HOBBIE SHOP	312 18TH STREET	HAMPTON ROADS RECOVERY SERVICES LLC	488410.00	Tow Truck Services	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	YONO BROTHERS LLC	403 W 24TH STREET	BOYD, ROBERT C III	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	MUDSLIDE MOTORSPORTS	422 W 21ST STREET	COASTAL IMPORT REPAIR LTD	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	EMERSON Z GARLAND	430 W 24TH STREET	GARLAND, EMERSON Z	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	GHENT FOOD MART	727 E 26TH STREET	BAUM'S SERVICE CENTER INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	HAPPY SHOPPER #25	727 E 26TH STREET	BAUM'S SERVICE CENTER INC	441120.00	Used Car Dealer	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	FRANKIE TIRE & AUTO SERVICES	737 E 23RD STREET	POP TS TIRES & RIMS LLC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	PTT & R POP T'S TIRES & RIMS	742 E 25TH STREET	FOREVER HOME REHABILITATION & TRAINING CENTER INC	812910.00	Pet Services (not Veterinary)	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	BAUM'S SERVICE CENTER	744 E 25TH STREET	STARK INC	811121.00	Auto Body & Paint Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	MUDSLIDE MOTORSPORTS	816 E 25TH STREET	HOWELL, MARQUE D	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	OCEANSIDE TAXI	816 E 25TH STREET	WATERSIDE TAXI CO INC	485310.00	Taxi	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	WATERSIDE TAXI CO	816 E 25TH STREET	RAHMING, HENRY	485310.00	Taxi	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	HAPPY HENRY CABBY	818 E 26TH STREET	MAXES INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	CRYBABYS TOWING RECOVERY	818 E 26TH STREET	MAXES INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2022	May-22	4/8/22	HAMPTON ROADS RECOVERY SERVICES	856 GRANBY STREET	BRIDGESTONE RETAIL OPERATIONS LLC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2022	Jun-22	5/25/22	CHARLES WITH THE GOLDEN TOUCH LLC	3203 E PRINCESS ANNE RD	CHARLES WITH THE GOLDEN TOUCH LLC	811192.00	Car Wash	73	INDUSTRIAL PARK

FY2022 Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Schedule Date	Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2022	Jun-22	5/25/22	TRADEBE TREATMENT & RECYCLING OF TENNESSEE	1333 AZALEA GARDEN RD	TRADEBE TREATMENT & RECYCLING OF TENNESSEE LLC	562998.00	Misc Waste Management	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	ENTERPRISE RENT-A-CAR	3375 E PRINCESS ANNE RD	ENTERPRISE LEASING CO OF NFLK/RICH	532111.00	Passenger Car Rental	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	ELITE AUTO BODY	1384 INGLESIDE RD	ELITE AUTO BODY INC	811121.00	Auto Body & Paint Repair	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	COLONY TIRE CORPORATION	3749 PROGRESS RD	COLONY TIRE CORPORATION	811111.00	General Automotive Repair	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	NORFOLK IDEALEASE	1146 INGLESIDE RD	RUSH TRUCK LEASING INC	811111.00	General Automotive Repair	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	COLONY TIRE CORPORATION	3749 PROGRESS RD	COLONY TIRE CORPORATION	441320.00	Tire Dealers	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	BAY DISPOSAL INC	1384 INGLESIDE RD	BAY DISPOSAL INC	562111.00	Solid Waste Collection	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	FIVE STAR UNDERCAR LLC	1164 KINGWOOD AVE	FIVE STAR UNDERCAR LLC	423110.00	Auto Sales Wholesale	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	AMERICAN TIRE DISTRIBUTORS INC	4554 PROGRESS RD	AMERICAN TIRE DISTRIBUTION INC	423130.00	Tires & Tubes Wholesale	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	CARROLL TIRE CO	3499 INVENTORS RD	CARROLL'S LLC	423130.00	Tires & Tubes Wholesale	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	CAMSO USA INC	1360 INGLESIDE RD	CAMSO USA INC	423130.00	Tires & Tubes Wholesale	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	COLONY TIRE CORPORATION	3749 PROGRESS RD	COLONY TIRE CORPORATION	423130.00	Tires & Tubes Wholesale	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	H F ENTERPRISES INC	1302 INGLESIDE ROAD	H F ENTERPRISES INC	532112.00	Passenger Car Leasing	73	INDUSTRIAL PARK
	2022	Jun-22	5/25/22	MOBILE PREVENTATIVE MAINTENANCE INC	1006 BALLENTINE BLVD	MOBILE PREVENTATIVE MAINTENANCE INC	811111.00	General Automotive Repair	73	INDUSTRIAL PARK
	2022	Jun-22	5/26/22	TRUCK FLEET REPAIR	1422 BALLENTINE BLVD	TRUCK FLEET PARTS LTD	811111.00	General Automotive Repair	73	INDUSTRIAL PARK
	2022	Jun-22	5/26/22	A GOFF LIMO.COM LLC	1114 BALLENTINE BLVD	A GOFF LIMO.COM LLC	485320.00	Limousine Services	73	INDUSTRIAL PARK
VAR052006	2022	Jun-22	5/26/22	Norfolk City - Div of Waste Mgmt- Pineridge	1176 Pineridge Road				73	INDUSTRIAL PARK

SOP 654

DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENVIRONMENTAL
STORM WATER MANAGEMENT
STORM WATER BMP INSPECTIONS

DATE WRITTEN: March 8, 2005
DATE REVISED: June 28, 2017; September 18, 2018; November 25, 2019; February 10, 2020
PREPARED BY: Kyle Quick, Environmental Specialist; June Whitehurst, Environmental Programs Manager
REVIEWED BY: John M. White, Storm Water Engineer
FILE PATH: Enter Link Here

DISTRIBUTION: Operations Personnel

PURPOSE / OBJECTIVE:

To define guidelines for the inspection and enforcement for the installation and maintenance of all private and city-owned storm water structural best management practices (BMPs). BMPs reduce unwanted contaminants and/or the volume of storm water entering the City MS4 system and local waterways. BMPs are regularly inspected to ensure they are working as designed and maintained in such a manner to not cause flooding, become a nuisance, or impose a threat to health and safety.

RESPONSIBILITIES:

Division – The Department of Public Works, Division of Environmental Storm Water Management is the administrator of the MS4 VPDES Permit, VA0088650. Environmental staff ensures compliance with the VPDES permit associated with BMP inspections to the storm water system. State law requires BMPs to be inspected once every 5-years. The City's MS4 permit requires city-owned BMPs be inspected and maintained once per year.

Environmental Staff develop and maintain a list of BMPs within the geographic boundary of the City of Norfolk. This list is routinely updated following site plan review. Environmental staff conduct routine inspections of both private and public storm water BMPs.

OTHER:

BMPs are used to reduce pollution in and/or volume of storm water runoff, thereby protecting area waterways. Some examples of structural storm water BMPs include infiltration trenches, grass swales, detention basins, retention ponds, oil/grit separators, bioretention basins, manufactured BMPs, etc.

REQUIREMENTS:

1. BMPs are approved for installation after an extensive site plan review by a designated storm water engineer. All pertinent information pertaining to the BMPs are entered into the current BMP tracking database.

2. As part of the site plan approval process, a Declaration of Covenants for Storm and Surface Water Facility and System Maintenance (BMP Maintenance Agreement) should be signed and notarized by the owner or responsible party of the private property being developed to maintain the BMP after construction. That party will remain responsible for all maintenance until the property is sold; at which time the new owner is responsible for maintaining the BMP. A copy of the agreement is filed with the clerk of the court by the owner or responsible party. A copy of the agreement is also maintained in the site plan file at the Division.

3. Storm water management (SWM) facilities or BMPs are required to be installed in accordance with the approved plans, and manufacturers' specifications where applicable. The City of Norfolk Planning Department, Building Safety Bureau will inspect the installation of onsite stormwater piping and structures. The Department of Public Works, Environmental Storm Water Management

staff will inspect the installation of BMPs. Additionally, they also inspect stormwater piping and structures within the City Right-of-Way and piping that ties into the City's MS4 system. During construction, environmental staff will have completed the following procedures:

a. A pre-construction meeting will be scheduled to go over expectations. Pre-construction meetings will be documented.

b. Follow up inspections with the contractor will occur throughout the construction process to verify that the BMPs are installed in accordance with the approved plans. These inspections should take place before any backfilling occurs and should include pictures for documentation. If there is a tie-in to the city system, a storm water inspector will inspect the tie-in.

c. A construction record drawing ("As-built" submission) signed and sealed by a professional registered in Virginia will be reviewed by a storm water engineer or their designee to verify the SWM facilities have been installed per the approved plan.

d. A final inspection will be performed by the environmental staff to ensure that the BMP and contributing drainage areas are stabilized. The inspector will also ensure that the site is free of excessive litter or debris, sediment build up, or erosion, and no deviations from the approved construction record drawing.

e. Upon approval of the construction record drawing and the final inspection, the environmental staff will approve the release of the Certificate of Occupancy (if required) and approval to terminate bonds for stormwater improvements.

4. All privately-owned and city-owned BMP inspections are tracked in the current BMP tracking database. The database enables the Division to maintain inspection data and to ensure inspections are completed on a routine schedule.

5. When an inspection is conducted, the following items are checked to ensure that the BMP will consistently perform its water quality improvement and/or runoff reduction functions.

a. *Sediment Buildup*: Sediment buildup can reduce the effectiveness of the BMP by blocking inlets and outlets, reducing infiltration rates, and reducing effectiveness of pretreatment practices.

b. *Erosion*: Erosion can lead to reduced volume of the BMP and/or structural failure. Erosion is a common problem around inlets and outlets of BMPs, and may also be caused by roots of woody vegetation and animal burrows.

c. *Debris and Litter Removal*: Regular removal of litter and debris is essential to ensure the BMP is working properly. The BMP must be free from debris and litter in or around the BMP structure.

d. *Vegetation*: Vegetation must be established and maintained to guard against erosion and sediment buildup, and to maintain designed pollutant removal rates where applicable. Excessive vegetation clippings must be removed from the BMP and disposed of properly.

e. *Deviation from the Construction Record Drawing*: Verify a property owner, tenant, or other responsible party has not modified a post-construction BMP without written approval from the City of Norfolk Department of Public Works storm water engineer, or their designee.

DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENVIRONMENTAL
STORM WATER MANAGEMENT
STORM WATER BMP INSPECTIONS

f. *Manufactured BMPs*: The owner or responsible party are required to maintain manufactured BMPs in accordance with the manufacturer's specifications, and to provide evidence of continued maintenance by copies of maintenance records and/or photographic proof.

g. *Other Maintenance Concerns*: Refer to the Virginia Department of Environmental Quality Stormwater Design Specifications for other BMP maintenance concerns.

6. The environmental staff will complete an inspection report and track inspections in the current BMP tracking database. The responsible party will either be sent an email or a letter that lists the BMP maintenance discrepancies and includes a copy of the inspection report, if necessary. The responsible party will have a specified time-period to complete the maintenance after the report has been sent. A re-inspection will occur after the allotted time-period to ensure all corrections have been made. If the inspector has had no contact from the property owner, if letters have been returned, or if the discrepancies have not been addressed a Notice of Violation (NOV) may be sent or issued. If no progress occurs after the NOV has been issued, further legal actions should be taken. The City also holds the right to conduct the corrections after proper warning, and then charge the responsible party for any financial obligations. If the BMP is working properly and does not appear to have any maintenance discrepancies, a note will be made in the file and no report will be sent to the responsible party.

7. Routine maintenance for any City-owned BMP is conducted by the Division which is submitted in a service request and put into the work management tracking system. The City-owned BMPs must also follow all the guidelines established above.

8. The Norfolk Public Schools BMPs are inspected by the environmental staff, however, the school board facilities manager is the main point of contact for any discrepancies regarding BMP maintenance at school facilities. The school board is responsible for maintaining the BMPs and if major work is required beyond the capabilities of facilities personnel, then they will hire a contractor.

Approved:

John M. White
Storm Water Engineer
Public Works, Division of Environmental Storm Water Management

SWMF Inspections/Reinspections - FY2022

Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Bus Transfer Station	13-0085.2	ADOAN - 2021-06-28 10:23:52 -- Filterra needs to be maintained.;	09/14/2020	Yes	Manufactured Treatment Device	1	08-17-2021	Public
Harbor Park Picnic Area	16-0065.1	ADOAN - 2020-09-15 07:28:01 -- Remove trash and sediment from Filterra. Trim Vegetation and replace mulch.;	09/14/2020	No	Manufactured Treatment Device	1	08-05-2021	Private
Harbor Walk	02-0275.1	ADOAN - 2020-10-29 07:39:17 -- Swale is maintained with mowing. The inlets grates are full of leaves and sediment. One grate has tree limb debris piled on top. Remove sediment, leaves and tree debris.; ADOAN - 2021-01-19 10:08:04 -- A re-inspection was conducted on 1-6-21 with no corrections made.
 Also, please provide maintenance records for the CDS unit at the docks.;	10/28/2020	Yes	Infiltration Practices	1	09-16-2021	Private
Sherwin Williams	12-0066.1	ADOAN - 2020-12-16 15:01:44 -- Please provide maintenance according to manufacturers specifications and provide maintenance records. ; ADOAN - 2021-03-01 09:17:51 -- Re-inspected the site on 2/25/21. Accessed the manholes into the system. The access nearest the street had visible erosion around the collar of the manhole. Repairs are needed.
 A call is into the corporate office as to who is the local contact to get the report to and get these repairs done. ; ADOAN - 2021-03-01 09:23:25 -- During the inspection it was noted that sediment and standing water was noted within the system. Remove this sediment and standing water.;	12/15/2020	Yes	Extended Detention Basin	1	05-17-2022	Private
Premium Outlets Boulevard	15-0043.1	ADOAN - 2021-02-08 14:27:16 -- All 4 Filterras need to be maintained according to manufacturer specifications. A tree is missing in one Filterra and all had accumulated sediment and trash. ;	02/05/2021	Yes	Manufactured Treatment Device	1	07-14-2021	Public
Premium Outlets Boulevard	15-0043.2	ADOAN - 2021-02-08 14:53:18 -- 6 Filterras need to be maintained according to manufacturer specifications. All 6 Filterras contained trash and accumulated sediment. Some trees were missing and others needed to be trimmed. One FIlterra was completely filled with water (choked) .;	02/05/2021	Yes	Manufactured Treatment Device	1	11-10-2021	Public
IKEA	17-0014.2	ADOAN - 2021-02-19 08:44:57 -- Maintain the stormchamber system according to manufacturer specifications. Some ports had trash and sediment, and one had gravel present. The outfall had some visible erosion due to roof drains. Repair area with some stones to dissipate the water as it leaves the roof drain. There were also areas of cave in around the outfall that need repair. ;	02/08/2021	Yes	Manufactured Treatment Device	1	07-01-2021	Private
Savannah Suites	04-0111.1	ADOAN - 2021-02-18 11:29:42 -- Maintain Filterra according to the manufacturer specifications. Please provide maintenance records.;	02/16/2021	Yes	Manufactured Treatment Device	1	10-13-2021	Private
Savannah Suites	04-0111.2	ADOAN - 2021-02-18 11:33:38 -- Maintain Filterra according to the manufacturer specifications. Please provide maintenance records.;	02/16/2021	Yes	Manufactured Treatment Device	1	10-13-2021	Private
Savannah Suites	04-0111.3	ADOAN - 2021-02-18 11:35:45 -- Maintain Filterra according to the manufacturer specifications. Please provide maintenance records.;	02/16/2021	Yes	Manufactured Treatment Device	1	10-13-2021	Private
Savannah Suites	04-0111.4	ADOAN - 2021-02-18 11:38:01 -- Maintain Filterra according to the manufacturer specifications. Please provide maintenance records.;	02/16/2021	Yes	Manufactured Treatment Device	1	10-13-2021	Private
Savannah Suites	04-0111.5	ADOAN - 2021-02-18 11:40:02 -- Remove accumulated sediment and trash from outfalls and basin.;	02/16/2021	Yes	Detention Basin	1	10-13-2021	Private
Savannah Suites	04-0111.6	ADOAN - 2021-02-18 12:22:58 -- Maintain the U/G Nyloplast storage system according to manufacturer specifications. Please provide maintenance records. ;	02/18/2021	Yes	Manufactured Treatment Device	1	10-13-2021	Private
IKEA	17-0014.1	ADOAN - 2021-02-26 14:12:21 -- Maintain the underground stormchamber system according to the manufacturer specifications. Remove accumulated sediment and trash from the system. The outfall appears to be in good condition. ;	02/26/2021	Yes	Manufactured Treatment Device	1	07-01-2021	Private
Lowe's	99-4237.1	ADOAN - 2021-03-03 12:50:51 -- Remove overgrown vegetation, trash, and sediment from the concrete culvert. Cutback overgrown vegetation, remove trash, and accumulated sediment at the outfalls of the wet pond. Remove any accumulated sediment along the gutters and curb inlets in the parking lot leading to the pond. ;	03/02/2021	Yes	Wet Pond	1	07-08-2021	Private
Booker T. Washington High School &	T315.1	ADOAN - 2021-03-11 09:05:59 -- Maintain stormceptor according to manufacturer specifications. Please provide maintenance records.;	03/08/2021	Yes	Manufactured Treatment Device	1	12-15-2021	School
Booker T. Washington High School &	T315.2	ADOAN - 2021-03-11 09:10:48 -- Maintain stormceptor according to manufacturer specifications. Please provide maintenance records. ;	03/10/2021	Yes	Manufactured Treatment Device	1	12-15-2021	School
BB&T	T616.1	CLVANLE - 2021-03-25 13:16:28 -- Please remove and dispose of properly the accumulated sediment and debris from drop inlet. ;	03/25/2021	Yes	Infiltration Practices	2	08-30-2021	Private
Dollar General Store	15-0035.1	MWHITE02 - 2021-04-08 14:43:24 -- Please maintain the Contech system according to the manufacturer's specifications and provide a copy of the maintenance record. ;	04/08/2021	Yes	Manufactured Treatment Device	1	07-14-2021	Private
Condos	03-0148.1	MWHITE02 - 2021-04-14 13:43:15 -- Please remove leaf and mulch debris from the drop inlet in your planting bed. Otherwise BMP is functioning well. ;	04/14/2021	Yes	Infiltration Practices	1	07-13-2021	Private
Walgreens	01-0224.1	MWHITE02 - 2021-04-15 08:51:39 -- Manhole is marked by blue glove, could not access due to overgrowth. Please maintain the Stormceptor in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.;	04/15/2021	Yes	Manufactured Treatment Device	1	07-06-2021	Private
7-Eleven	15-0049.1	MWHITE02 - 2021-04-15 10:27:06 -- Observation well was dry, catch basin was free of debris. BMP appears well maintained.; MWHITE02 - 2021-04-15 10:34:10 -- Please maintain the Modular Wetland System in accordance with the manufacturer's specifications and provide copies of the maintenance reports. ;	04/15/2021	Yes	Manufactured Treatment Device	1	12-29-2021	Private
7-Eleven	15-0049.2	MWHITE02 - 2021-04-15 10:17:19 -- Please maintain the underground storage system in accordance with the manufacturer's specifications and provide a copy of the maintenance record.;	04/15/2021	Yes	Manufactured Treatment Device	1	12-29-2021	Private
7-Eleven	15-0049.3	MWHITE02 - 2021-04-15 10:39:47 -- Please maintain the Modular Wetland System in accordance with the manufacturer's
 specifications and provide copies of the maintenance reports.;	04/15/2021	Yes	Manufactured Treatment Device	1	12-29-2021	Private
7-Eleven	15-0049.4	MWHITE02 - 2021-04-15 10:30:03 -- Please inspect and maintain the Oil Water Separator in accordance with the manufacturer's specifications. Please provide a copy of maintenance records.;	04/15/2021	Yes	Manufactured Treatment Device	1	12-29-2021	Private
Duplex - Willoughby	04-0062.1	MWHITE02 - 2021-04-19 10:20:48 -- Please refresh the VDOT #1 stone according to the plan specifications. ;	04/19/2021	Yes	Infiltration Practices	1	07-22-2021	Private
Union Chapel A.M.E. Church	T38.1	MWHITE02 - 2021-04-20 09:32:21 -- Please remove accumulated sediment from curb-cut inlets. Please remove vegetation and debris from the stone of the BMP. ;	04/20/2021	Yes	Infiltration Practices	4	11-15-2021	Private
Union Chapel A.M.E. Church	T38.2	MWHITE02 - 2021-04-20 09:33:21 -- Please remove accumulated sediment from curb-cut inlets. Please remove vegetation and debris from the stone of the BMP. ;	04/20/2021	Yes	Infiltration Practices	4	11-15-2021	Private
Union Chapel A.M.E. Church	T38.3	MWHITE02 - 2021-04-20 09:33:30 -- Please remove accumulated sediment from curb-cut inlets. Please remove vegetation and debris from the stone of the BMP. ;	04/20/2021	Yes	Infiltration Practices	1	07-23-2021	Private
Auxiliary Systems	T309.1	MWHITE02 - 2021-04-21 15:08:09 -- Please remove equipment and materials from swale. Please remove accumulated sediment from the trench drain. Please restore swale along Church St. ;	04/21/2021	Yes	Grass Channel	1	07-12-2021	Private
Covenant Presbyterian Church	T448.1	MWHITE02 - 2021-04-21 14:23:11 -- Please clear accumulated sediment from around the curb-cut inlet and from the outlet pipe.;	04/21/2021	Yes	Detention Basin	1	08-02-2021	Private
Covenant Presbyterian Church	T448.2	MWHITE02 - 2021-04-21 14:29:38 -- Please clear accumulated sediment from the curb-cut inlet and the rip rap. Please clear accumulated sediment and debris from the outlet pipe.;	04/21/2021	Yes	Detention Basin	1	08-02-2021	Private
Arcet Equipment Co.	T769.1	MWHITE02 - 2021-04-22 07:14:33 -- Please provide a maintenance report from a certified inspector or documentation showing that the unit has been cleaned out in the last year for your Oil Water Separator.;	04/22/2021	Yes	Manufactured Treatment Device	3	11-29-2021	Private
901 Ballentine Boulevard Parking Lot	15-0019.1	MWHITE02 - 2021-04-22 15:21:47 -- Please pick up trash. Please remove accumulated debris and sediment from drop inlet. Please remove accumulated sediment from curb-cut inlets. ;	04/22/2021	Yes	Bioretention 1	1	07-26-2021	Private
901 Ballentine Boulevard Parking Lot	15-0019.2	MWHITE02 - 2021-04-22 15:25:54 -- Please remove accumulated debris and sediment from drop inlet. Please remove accumulated sediment from the curb-cut inlets. ;	04/22/2021	Yes	Bioretention 1	1	07-26-2021	Private
901 Ballentine Boulevard Parking Lot	15-0019.3	MWHITE02 - 2021-04-23 07:23:08 -- Please pick up trash. Please remove accumulated sediment from curb-cut inlets.
 ;	04/23/2021	Yes	Bioretention 2	1	07-26-2021	Private
901 Ballentine Boulevard Parking Lot	15-0019.4	MWHITE02 - 2021-04-23 07:19:15 -- Please remove accumulated sediment from the curb-cut inlets.
 ;	04/23/2021	Yes	Bioretention 1	1	07-26-2021	Private

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Family Dollar	04-0140.1	MWHITE02 - 2021-04-26 08:26:45 -- Remove accumulated sediment, trash, and debris from within the detention basin and from the parking lot. Remove overgrown vegetation from the BMP. ;	04/26/2021	Yes	Detention Basin	1	08-24-2021	Private
YMCA Family Center on Granby Stree	12-0024.1	MWHITE02 - 2021-04-26 07:32:42 -- Please maintain the Filterra units in accordance with the manufacturer's recommendations, and please provide a copy of the maintenance records.;	04/26/2021	Yes	Manufactured Treatment Device	2	08-05-2021	Private
YMCA Family Center on Granby Stree	12-0024.2	MWHITE02 - 2021-04-26 07:33:50 -- Please maintain the Filterra units in accordance with the manufacturer's recommendations, and please provide a copy of the maintenance records.;	04/26/2021	Yes	Manufactured Treatment Device	2	08-05-2021	Private
Warehouse extension	05-0016.1	MWHITE02 - 2021-04-27 09:11:59 -- Please cut back overgrown vegetation in the pond. Remove vegetation from around inlet pipe and outlet control structure. Remove accumulated sediment from inlet pipe. Please address cut catch basin. ;	04/27/2021	Yes	Detention Basin	1	07-28-2021	Private
River House Apartments	07-0073.1	MWHITE02 - 2021-04-27 08:40:52 -- Please maintain Filterra units according to the manufacturer's specifications and provide maintenance logs. Trees are too large. ;	04/27/2021	Yes	Manufactured Treatment Device	1	07-28-2021	Private
River House Apartments	07-0073.2	MWHITE02 - 2021-04-27 08:38:55 -- Please maintain Filterra units according to the manufacturer's specifications and provide maintenance logs. Trees are too large. ;	04/27/2021	Yes	Manufactured Treatment Device	1	07-28-2021	Private
Jerusalem Apostolic Christian Church	11-0042.1	MWHITE02 - 2021-05-04 14:34:44 -- Please maintain the Stormfilter BMP in accordance with the manufacturer's specifications and provide a copy of the maintenance record.;	05/04/2021	Yes	Manufactured Treatment Device	5	11-17-2021	Private
Granby Townhomes	16-0011.1	MWHITE02 - 2021-05-04 10:18:10 -- Please remove plastic fabric and sediment from the inlet grates. ; MWHITE02 - 2021-05-04 10:25:55 -- Please make sure grate is properly placed over the pipe. ;	05/04/2021	Yes	Bioretention 1	2	08-10-2021	Private
Granby Townhomes	16-0011.2	MWHITE02 - 2021-05-04 10:40:03 -- Please remove plastic fabric and sediment from the inlet grates. Please restore front bioretention to plans. ;	05/04/2021	Yes	Bioretention 1	2	08-10-2021	Private
Granby Townhomes	16-0011.3	MWHITE02 - 2021-05-04 10:31:46 -- Please remove plastic fabric and sediment from the inlet grates.;	05/04/2021	Yes	Bioretention 1	2	08-10-2021	Private
Granby Townhomes	16-0011.4	MWHITE02 - 2021-05-04 10:09:25 -- Please remove plastic fabric and sediment from the inlet grates. ;	05/04/2021	Yes	Bioretention 1	3	08-25-2021	Private
9 Lot Townhouse Subdivision	11-0073.1	MWHITE02 - 2021-05-06 14:24:46 -- Please address the area where the embankment has sloughed. Please pick up any trash and debris. ;	05/06/2021	Yes	Infiltration Practices	1	07-06-2021	Private
Rebuild and Convenience Store Additi	12-0013.1	MWHITE02 - 2021-05-07 08:30:13 -- Please clean up trash from the timber-walled infiltration basin and associated catch basins. Please clear accumulated sediment and debris from inlet pipes. Please clean out the basins and pipes for the infiltration catch basins in the front (off Virginia Beach Blvd).;	05/07/2021	Yes	Infiltration Practices	2	09-30-2021	Private
Barraud Park	07-0086.1	MWHITE02 - 2021-05-07 10:40:31 -- Please remove accumulated sediment along the curb lines and curb cut inlet. ;	05/07/2021	Yes	Infiltration Practices	1	07-06-2021	Public
Shorewood Shores Phase II	06-0044.1	CLVANLE - 2021-05-21 09:54:00 -- Filterra was maintained 03/2021 by BMP crew. There is sediment accumulation in the inlet. Please remove accumulation from inlet and rocks. Replace rocks if necessary.; CLVANLE - 2021-05-21 10:01:01 -- Please ignore previous comment. BMP was scheduled for maintenance 03/2021, and was not completed. Will follow up with BMP crew.;	05/11/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
Shorewood Shores Phase II	06-0044.2	CLVANLE - 2021-05-21 10:07:44 -- BMP was scheduled for maintenance 03/2021, and was not completed. Will follow up with BMP crew.;	05/11/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
Shorewood Shores Phase II	06-0044.3	CLVANLE - 2021-05-21 10:19:10 -- BMP was scheduled for maintenance 03/2021, and was not completed. Will follow up with BMP crew.;	05/11/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
Shorewood Shores Phase II	06-0044.4	CLVANLE - 2021-05-21 10:43:18 -- Filterra was scheduled for maintenance 03/2021, and was not completed. Will follow up with BMP crew.;	05/11/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
Shorewood Shores Phase II	06-0044.5	CLVANLE - 2021-05-21 10:49:32 -- Filterra was scheduled to be maintained 03/2021 by BMP crew, and was not completed. Will follow up with BMP crew.;	05/11/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
Shorewood Shores Phase II	06-0044.6		05/11/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
Little Creek Retail Shops	06-0062.1	MWHITE02 - 2021-05-11 14:49:26 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. Please remove concrete chunks and replace with appropriate stone. ;	05/11/2021	Yes	Manufactured Treatment Device	4	09-30-2021	Private
Shorewood Shores-Phase 1	05-0082.5	CLVANLE - 2021-05-14 10:08:47 -- Please maintain Filterra's. Replace mulch, remove trash and debris, replace rock in inlet if necessary.;	05/11/2021	Yes	Manufactured Treatment Device	1	07-15-2021	Public
Shorewood Shores-Phase 1	05-0082.4	CLVANLE - 2021-05-14 10:23:58 -- Please maintain Filterra's. Replace mulch, remove trash and debris, replace rock in inlet if necessary.; CLVANLE - 2021-05-14 10:25:27 -- Tree will need to be replaced.;	05/11/2021	Yes	Manufactured Treatment Device	1	07-14-2021	Public
Shorewood Shores-Phase 1	05-0082.3	CLVANLE - 2021-05-14 10:34:07 -- Please maintain Filterra's. Replace mulch, remove trash and debris, replace rock in inlet if necessary.;	05/11/2021	Yes	Manufactured Treatment Device	2	11-19-2021	Public
Shorewood Shores-Phase 1	05-0082.2	CLVANLE - 2021-05-14 10:40:11 -- Please maintain Filterra's. Replace mulch, remove trash and debris, replace rock in inlet if necessary.;	05/11/2021	Yes	Manufactured Treatment Device	2	11-19-2021	Public
Shorewood Shores-Phase 1	05-0082.1	CLVANLE - 2021-05-14 10:58:12 -- Please maintain Filterra's. Replace mulch, remove trash and debris, replace rock in inlet if necessary. Please replace tree.;	05/11/2021	Yes	Manufactured Treatment Device	1	07-15-2021	Public
Shorewood Shores-Phase 1	05-0082.6	CLVANLE - 2021-06-15 09:21:51 -- Please maintain Filterra's. Replace mulch, remove trash and debris, replace rock in inlet if necessary.;	05/11/2021	Yes	Manufactured Treatment Device	1	07-14-2021	Public
Titustown Recreation Center	00-4462.1	MWHITE02 - 2021-05-12 15:20:40 -- Vegetation is overgrown and needs to be maintained. PM for July (added comments).;	05/12/2021	Yes	Extended Detention Basin	1	07-12-2021	Public
Norfolk Fitness and Wellness Center	T217.1	MWHITE02 - 2021-05-12 13:51:51 -- On PM for July. Clear sediment from inlet pipe and maintain vegetation. ;	05/12/2021	Yes	Detention Basin	1	07-12-2021	Public
Parking Lot	11-0032.1	MWHITE02 - 2021-05-13 07:31:59 -- Please remove sediment and debris from curb lines. Please clean catch basins and pipe. ;	05/13/2021	Yes	Infiltration Practices	1	07-08-2021	Public
Maiden's Watch 7 Lot Subdivision	15-0016.3	MWHITE02 - 2021-05-13 13:44:12 -- Please restore BMP (infiltration basin and swale) to meet the approved site plans.;	05/13/2021	Yes	Infiltration 1	1	09-01-2021	Private
Broad Creek Library	16-0057.1	ADOAN - 2021-05-14 13:41:42 -- Repair cave in/erosion at the grated overflow inlet. ;	05/13/2021	Yes	Dry Swale 2	1	12-27-2021	Public
Gethsemane Baptist Church Bldg Add	12-0064.2	MWHITE02 - 2021-05-13 08:29:58 -- Please remove filter fabric from below the drop inlet grate in front of the detention basin. ;	05/13/2021	No	Detention Basin	1	07-26-2021	Private
5th-7th Bay Redevelopment	16-0013.2	ADOAN - 2021-05-21 08:31:39 -- 1st inspection after installation. BMP in good condition.;	05/14/2021	No	Infiltration 2	1	06-13-2022	Public
5th-7th Bay Redevelopment	16-0013.5	ADOAN - 2021-05-21 08:41:26 -- Bubblers along East Ocean View Avenue need to be cleaned out and some of the caps replaced. The infiltration inlet between 2505 and 2509 needs to be cleaned-holding water and sediment. Please check with homeowner at 2513 who has a sprinkler system running through the infiltration trench. The sprinkler system cannot be in the infiltration trench. ;	05/14/2021	Yes	Infiltration 2	1	10-01-2021	Public
5th-7th Bay Redevelopment	16-0013.6	ADOAN - 2021-05-21 08:52:46 -- This system could not be accessed. Please access and maintain. Please provide maintenance records of cleanout. ;	05/14/2021	Yes	Manufactured Treatment Device	1	10-01-2021	Public
Norfolk Collegiate Middle School	03-0042.1	MWHITE02 - 2021-05-18 13:26:11 -- Please clear the accumulated sediment and debris from the parking lot and curb-cut inlet. Restore the grade near the inlet so that water flows into the BMP and re-stabilize. Please address the hole in the middle right of the basin. Please maintain the weeds and vegetation growing in the BMP.;	05/18/2021	Yes	Infiltration Practices	1	07-19-2021	Private
Suburban Park Redevelopment of Wa	12.0039.2	MWHITE02 - 2021-05-18 12:47:06 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide copies of the maintenance records.;	05/18/2021	Yes	Manufactured Treatment Device	3	09-30-2021	Private
Suburban Park Redevelopment of Wa	12-0039.3	MWHITE02 - 2021-05-18 12:47:45 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide copies of the maintenance records.;	05/18/2021	Yes	Manufactured Treatment Device	3	09-30-2021	Private
Suburban Park Redevelopment of Wa	12-0039.4	MWHITE02 - 2021-05-18 12:47:17 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide copies of the maintenance records.;	05/18/2021	Yes	Manufactured Treatment Device	3	09-30-2021	Private
Suburban Park Redevelopment of Wa	12-0039.5	MWHITE02 - 2021-05-18 12:45:37 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide copies of the maintenance records. ;	05/18/2021	Yes	Manufactured Treatment Device	3	09-30-2021	Private

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Suburban Park Redevelopment of Wa	12-0039.6	MWHITE02 - 2021-05-18 12:47:34 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide copies of the maintenance records.;	05/18/2021	Yes	Manufactured Treatment Device	3	09-30-2021	Private
Greek Orthodox Church	91067.012.1	MWHITE02 - 2021-05-18 07:16:25 -- Please clean out the drop inlets in the parking lot. Please remove accumulated sediment and debris from the parking lot in front of the basin. Please maintain the vegetation in the basin. ;	05/18/2021	Yes	Infiltration Practices	1	07-19-2021	Private
The Anchorage-South Hampton Road	T158.1	MWHITE02 - 2021-05-18 13:52:23 -- Please remove trash and debris from within and around the detention basin. Please clear vegetation and debris off of the outlet structure. Please address the pipe in front of the inlet pipe to the BMP. ;	05/18/2021	Yes	Detention Basin	3	09-24-2021	Private
711	T161.1	MWHITE02 - 2021-05-18 07:58:59 -- Please uncover and clean out the accumulated sediment and debris from the trench drains. ;	05/18/2021	Yes	Infiltration Practices	1	07-19-2021	Private
HRT Station Wards Corner	T402.1	MWHITE02 - 2021-05-18 08:43:09 -- Please remove accumulated sediment from curb inlets. Please remove woody vegetation from basin bottom and sides. Please re-stabilize portions of the swales that have been eroded and denuded. Please remove the accumulated sediment, debris, and trash and maintain the vegetation around the outfalls into the basin. ;	05/18/2021	Yes	Detention Basin	1	07-19-2021	Private
Langley Federal Credit Union	T455.1	MWHITE02 - 2021-05-18 08:16:25 -- Please clear the mulch, debris, and sediment from the inlet grates and infiltration pipes. ;	05/18/2021	Yes	Infiltration Practices	6	11-23-2021	Private
Combined McKann Ave. Facility	T650.3	CLVANLE - 2021-05-21 09:22:50 -- Please vactor out grit chamber to remove accumulated sediment. ;	05/18/2021	Yes	Manufactured BMP Systems	1	08-17-2021	Public
Combined McKann Ave. Facility	T650.2	CLVANLE - 2021-05-21 09:30:38 -- Please vactor out grit chamber to remove accumulated sediment. ;	05/18/2021	Yes	Manufactured BMP Systems	1	08-17-2021	Public
The Ballentine Expansion	14-0074.1	MWHITE02 - 2021-05-20 15:20:27 -- BMP is holding water, please vacuum out. ;	05/20/2021	Yes	Manufactured Treatment Device	1	07-16-2021	Private
Ballentine Home	99-4169.1	MWHITE02 - 2021-05-20 15:20:58 -- BMP is holding water, please vacuum out.;	05/20/2021	Yes	Infiltration Practices	1	07-16-2021	Private
Tabernacle Church	T537.1	MWHITE02 - 2021-05-20 13:51:29 -- Please maintain vegetation in the basin. Please clear the areas around the inlet pipes so that they are visible. Please make sure both pipes in the outlet control structure are visible on both sides. Please place rip rap by the inlet pipes to create dissipation where the water is pulling. There is something blocking the flow of water from the catch basin in the parking lot to the BMP, please address this.;	05/20/2021	Yes	Extended Detention Basin	2	08-24-2021	Private
Senior Housing Development	02-0158.1	MWHITE02 - 2021-05-21 07:43:02 -- Please address the sinkhole on the right side (looking at it from the building) of the basin. Please address any trash in the basin and any vegetation growing through the bulkhead. ;	05/21/2021	Yes	Wet Pond	2	08-25-2021	Private
Ray and Joan Kroc Center	11-0065.2	ADOAN - 2021-06-03 07:51:08 -- Remove accumulated sediment and leaf debris from pervious concrete, gutters, and inlets throughout the site. ;	05/21/2021	Yes	Permeable Pavement	1	09-16-2021	Private
Mount Pleasant Baptist Church Parkir	T593.1	MWHITE02 - 2021-05-21 13:55:52 -- Please remove accumulated trash, debris, and sediment from the basin, inlet draining into the basin, drop inlet in the parking lot, and the inlet pipe into the basin from the parking lot. ;	05/21/2021	Yes	Detention Basin	1	07-20-2021	Private
Archers Green Apartments	91067.006.1	MWHITE02 - 2021-05-21 13:22:05 -- Please clear sediment and debris out of the infiltration pipes and adjacent stormwater structures.;	05/21/2021	Yes	Infiltration Practices	1	07-21-2021	Private
Parking Lot	08-0103.1	ADOAN - 2021-05-24 12:48:27 -- Repair cave in next to curb inlet. WO requested. ;	05/24/2021	Yes	Infiltration Practices	1	07-27-2021	Public
Parking Lot	08-0103.2	ADOAN - 2021-05-24 12:50:53 -- Remove accumulated sediment from gutters in parking area and around curb inlets. ;	05/24/2021	No	Infiltration Practices	1	07-27-2021	Public
Parking Lot	08-0103.3	ADOAN - 2021-05-24 12:53:27 -- Remove accumulated sediment and leaf litter from gutters in parking area and around curb inlets. WO requested. ;	05/24/2021	No	Infiltration Practices	1	07-27-2021	Public
Watermark at Talbot Park - Ph. I	15-0036.1	MWHITE02 - 2021-05-24 08:04:51 -- Please clean mulch out of overflow drop inlet structure. Please remove accumulated sediment from curb and gutter, curb cuts, and the stone dissipation paths at the curb cuts. ;	05/24/2021	Yes	Bioretention 1	1	07-27-2021	Private
Watermark at Talbot Park - Ph. I	15-0036.2	MWHITE02 - 2021-05-24 08:14:56 -- Please remove accumulated sediment from curb and gutter, curb cuts, and the stone dissipation paths at the curb cuts. ;	05/24/2021	Yes	Bioretention 1	1	07-27-2021	Private
Watermark at Talbot Park - Ph. I	15-0036.3	MWHITE02 - 2021-05-24 08:10:48 -- Please clean mulch out of overflow drop inlet structure. Please remove accumulated sediment from curb and gutter, curb cuts, and the stone dissipation paths at the curb cuts. ;	05/24/2021	Yes	Bioretention 1	1	07-27-2021	Private
Ray & Joan Krock Center	S103.1	ADOAN - 2021-08-18 07:46:08 -- BMP well maintained. PM was just completed in March 2021.;	05/24/2021	No	Wet Pond	1	01-19-2022	Public
Walmart @ Tidewater	05-0074.2	MWHITE02 - 2021-05-25 14:14:09 -- Please maintain the Vortechnics unit according to the manufacturer's specifications and provide a maintenance record. ;	05/25/2021	Yes	Manufactured Treatment Device	2	10-05-2021	Private
Walmart @ Tidewater	05-0074.3	MWHITE02 - 2021-05-25 14:20:34 -- Please maintain the Vortechnics unit according to the manufacturer's specifications and provide a maintenance record.
05/25/2021	Yes	Manufactured Treatment Device	2	10-05-2021	Private
Consolidated Courts Complex	10-0060.1	MWHITE02 - 2021-05-25 10:43:08 -- DIs are holding water, please clean out the DIs and underdrain. Please remove and replace any dead vegetation. ;	05/25/2021	Yes	Bioretention	1	07-21-2021	Public
Consolidated Courts Complex	10-0060.2	MWHITE02 - 2021-05-25 10:50:16 -- Please clear debris and sediment from the DIs.;	05/25/2021	Yes	Bioretention	1	07-21-2021	Public
Consolidated Courts Complex	10-0060.3	MWHITE02 - 2021-05-25 10:56:49 -- Remove any accumulated sediment and debris from the drop inlets. Maintain any overgrown vegetation.;	05/25/2021	Yes	Bioretention	1	07-22-2021	Public
Virginia Zoological Park, Phase I	T473.1	MWHITE02 - 2021-05-25 07:59:58 -- Could not open more than one door on sand filter shell. Per maintenance recommendations it needs to be pumped out. Schedule time to meet on site and see if the vactor truck can get in there. ;	05/25/2021	Yes	Sand Filter	1	09-15-2021	Public
Jack Rabbit Self-Storage	06-0115.1	MWHITE02 - 2021-05-26 14:15:29 -- Please maintain the Stormceptor in accordance with the manufacturer's specifications and provide a copy of the inspection and maintenance record. ;	05/26/2021	Yes	Manufactured Treatment Device	1	08-04-2021	Private
Commerce Bank	06-0146.1	MWHITE02 - 2021-05-26 15:21:23 -- Please maintain the Filterra in accordance with the manufacturer's specifications and provide a copy of the maintenance record. Tree is overgrown and growing into the grate, it needs to be replaced. Please remove accumulated debris and sediment from inlet.;	05/26/2021	Yes	Manufactured Treatment Device	5	11-19-2021	Private
Commonwealth Building Materials	T285.1	MWHITE02 - 2021-05-26 08:03:05 -- Please replace hay bales around the perimeter per the approved plans. Please refresh stone and remove accumulated sediment and debris. ;	05/26/2021	Yes	Infiltration Practices	1	07-27-2021	Private
Dunkin Donuts	15-0051.1	MWHITE02 - 2021-05-26 13:14:30 -- Please remove trash and accumulated sediment from the curb cut inlets. Please clean out the outlet control structure and remove mulch from the top of it. Please re-establish grass in the denuded areas of the basin. ; MWHITE02 - 2021-05-26 13:16:07 -- Please remove trash from the basin and surrounding areas. ;	05/26/2021	Yes	Bioretention 1	1	07-27-2021	Private
Wawa Food Market	05-0046.1	MWHITE02 - 2021-05-27 10:56:44 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. ;	05/27/2021	Yes	Manufactured Treatment Device	4	11-04-2021	Private
Wawa Food Market	05-0046.2	MWHITE02 - 2021-05-27 10:59:32 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a maintenance record. The tree is growing into the grate and needs to be replaced. Please remove all trash and debris from the unit and the inlet.;	05/27/2021	Yes	Manufactured Treatment Device	4	11-04-2021	Private
Wawa Food Market	05-0046.3	MWHITE02 - 2021-05-27 07:29:20 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a maintenance record. The tree is missing and needs to be replaced. Please remove all trash and debris from the unit and the inlet. ;	05/27/2021	Yes	Manufactured Treatment Device	4	11-04-2021	Private
Dunkin Donuts	08-0055.1	MWHITE02 - 2021-05-28 15:10:44 -- Please remove accumulated sediment from curb cut inlets and the curb line. Please remove all accumulated trash and debris and dispose of it lawfully. Please remove accumulated sediment and debris from within and on top of the outlet control structure. ;	05/28/2021	Yes	Bioretention	2	08-30-2021	Private
Sam's Club	14-0049.1	MWHITE02 - 2021-05-28 08:42:50 -- Please maintain the Stormceptor in accordance with the manufacturer's specifications and please provide a copy of the maintenance log. ;	05/28/2021	Yes	Manufactured Treatment Device	3	09-20-2021	Private
Sam's Club	14-0049.2	MWHITE02 - 2021-05-28 08:31:40 -- Please maintain the Oil-Water Separator in accordance with the manufacturer's specifications and please provide a copy of the maintenance log. ;	05/28/2021	Yes	Manufactured Treatment Device	3	09-20-2021	Private
EVMS Parking Garage Addition	09-0050.1	MWHITE02 - 2021-06-01 15:01:52 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	06/01/2021	Yes	Manufactured Treatment Device	2	08-02-2021	Private
Granby High School Renovations	T345.2	ADOAN - 2021-06-02 13:24:13 -- Remove leaf litter from BMP. Locate and clear drop inlet within the BMP. ; ADOAN - 2021-08-16 12:48:00 -- 2021-8-12: No drop inlets were found. Place stones back in hole, replace filter fabric, and top with soils. Remove any soil clumps from the BMP. ;	06/01/2021	Yes	Infiltration Practices	1	08-17-2021	School

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Granby High School Renovations	T345.3	ADOAN - 2021-06-02 13:25:24 -- Remove accumulated sediment and leaf litter throughout the BMP. Located and clear sediment and leaf litter from drop inlet. ; ADOAN - 2021-08-16 12:49:52 -- 2021-8-12: no drop inlet was found. Replace soils in hole and remove any soil clumps from the BMP.;	06/01/2021	Yes	Infiltration Practices	1	08-17-2021	School
Duplex	04-0125.1	MWHITE02 - 2021-06-03 14:41:59 -- Please remove vegetation growing into the BMP. Please address any areas of erosion and clear any accumulated sediment. ;	06/03/2021	Yes	Infiltration Practices	2	09-03-2021	Private
Mazzika Restaurant	T4.1	MWHITE02 - 2021-06-03 15:17:08 -- Please clear accumulated sediment and debris from curb-cut inlets. ;	06/03/2021	Yes	Infiltration Practices	2	08-25-2021	Private
CHKD Parking Lot	05-0169.1	MWHITE02 - 2021-06-04 15:20:20 -- BMP has been paved over. Please restore BMP.;	06/04/2021	Yes	Permeable Pavement	1	12-15-2021	Private
AAAA Self Storage	01-0166.1	MWHITE02 - 2021-06-07 08:53:25 -- Please maintain the vegetation in the BMP. Please remove any accumulated trash and debris.;	06/07/2021	Yes	Detention Basin	2	08-17-2021	Private
MHI Building Addition and Bulkhead	06-0144.1	MWHITE02 - 2021-06-07 08:23:15 -- Please maintain the Baysaver unit per the manufacturer's specifications and provide a copy of the maintenance record. ;	06/07/2021	Yes	Manufactured Treatment Device	3	09-28-2021	Private
Bazemore's	T705.1	MWHITE02 - 2021-06-07 07:20:18 -- Please maintain the Vortechnics unit per the manufacturer's specifications and provide a copy of the maintenance records. ;	06/07/2021	Yes	Manufactured Treatment Device	1	08-09-2021	Private
Shell	00-4243.1	MWHITE02 - 2021-06-08 10:39:49 -- Please remove overgrown vegetation from within the basin. Please remove trash and debris. Please remove accumulated sediment from inlet and outlet pipes and the drop inlet. ;	06/08/2021	Yes	Detention Basin	5	12-21-2021	Private
Village Point Senior Housing	00-4322.3	MWHITE02 - 2021-06-10 08:47:34 -- Please clear accumulated sediment and debris from the drop inlet structures and underground infiltration pipes.;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Village Point Senior Housing	00-4332.1	MWHITE02 - 2021-06-10 08:42:23 -- Please clear accumulated sediment and debris from the drop inlet structures and underground infiltration pipes.;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Village Point Senior Housing	00-4332.2	MWHITE02 - 2021-06-10 08:59:31 -- Please clear accumulated sediment and debris from the drop inlet structures and underground infiltration pipes.;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Village Point Senior Housing	00-4332.4	MWHITE02 - 2021-06-10 08:49:50 -- Please clear accumulated sediment and debris from the drop inlet structures and underground infiltration pipes.;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Village Point Senior Housing	00-4332.5	MWHITE02 - 2021-06-10 08:57:24 -- Please clear accumulated sediment and debris from the drop inlet structures and underground infiltration pipes;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Building Addition - Baker and Compar	03-0267.1	MWHITE02 - 2021-06-10 07:18:06 -- Please remove vegetation from inlet pipe discharging into the BMP. Please remove vegetation from the outlet structure. Please maintain the vegetation. ;	06/10/2021	Yes	Extended Detention Basin	2	08-16-2021	Private
Bolling Square Apartments Phase I	03-0280.1	MWHITE02 - 2021-06-10 10:14:26 -- Please remove any obstructions from the curb cut inlets. ;	06/10/2021	Yes	Bioretention	1	08-12-2021	Private
Village Garden Senior Housing	08-0056.1	MWHITE02 - 2021-06-10 09:28:10 -- Please clear accumulated sediment from the drop inlet. ;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Village Garden Senior Housing	08-0056.2	MWHITE02 - 2021-06-10 09:29:35 -- Please address erosion in the bottom of the basin where you can see the filter fabric. ;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Village Garden Senior Housing	08-0056.3	MWHITE02 - 2021-06-10 09:24:25 -- Please clean out infiltration trench and drop inlets.;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Village Garden Senior Housing	08-0056.4	MWHITE02 - 2021-06-10 09:21:33 -- Please clean out infiltration trench and drop inlets.;	06/10/2021	Yes	Infiltration Practices	1	08-12-2021	Private
Village Garden Senior Housing	08-0056.5	MWHITE02 - 2021-06-10 09:12:12 -- Please clean out infiltration trench and drop inlets. Please also clean out the drop inlets in the parking lot that are holding water. ;	06/10/2021	Yes	Bioretention	1	08-12-2021	Private
7-11 Colley Avenue	16-0020.1	MWHITE02 - 2021-06-10 07:48:54 -- Please maintain the Oil-Water Separator according to the manufacturer's specifications and provide a copy of the maintenance record. ;	06/10/2021	Yes	Manufactured Treatment Device	3	12-02-2021	Private
Claremont Commons	04-0045.2	MWHITE02 - 2021-06-11 14:28:53 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. Please clear accumulated sediment and debris from the pipe and the drop inlet on Redgate Ave.;	06/11/2021	Yes	Manufactured Treatment Device	2	08-12-2021	Private
Floor Busters	08-0047.1	MWHITE02 - 2021-06-11 13:04:27 -- Gravel swale covered by dumpsters, materials, and debris. Please address this. ;	06/11/2021	Yes	Grass Channel	2	11-18-2021	Private
Floor Busters	08-0047.2	MWHITE02 - 2021-06-11 13:05:29 -- Gravel swale and filter strip covered by materials and debris. Please address this. ;	06/11/2021	Yes	Vegetated Filter Strip	2	11-18-2021	Private
Mount Hermon Baptist Church Parkin	09-0058.1	MWHITE02 - 2021-06-11 12:30:51 -- Please clear accumulated sediment from the curb cut inlet and curb line. Please remove accumulated debris and sediment from the drop inlet. ;	06/11/2021	Yes	Extended Detention Basin	1	08-02-2021	Private
Mount Hermon Baptist Church Parkin	09-0058.2	MWHITE02 - 2021-06-11 12:35:38 -- Please clear accumulated sediment from the curb cut inlet.;	06/11/2021	Yes	Detention Basin	1	08-02-2021	Private
Mount Hermon Baptist Church Parkin	09-0058.3	MWHITE02 - 2021-06-11 12:37:40 -- Please clear accumulated sediment and debris from the parking lot. Holding water from rain last night. Structures downstream were blocked.;	06/11/2021	Yes	Detention Basin	1	08-02-2021	Private
Heritage Bank & Trust	T457.2	MWHITE02 - 2021-06-11 13:49:29 -- Please regrade the infiltration basin to ensure positive drainage from the parking lot's curb cut inlet into the infiltration basin. Please remove the pipe from the curb. It is against city code to convey water across the sidewalk. ;	06/11/2021	Yes	Infiltration Practices	3	12-20-2021	Private
First Presbyterian Church	06-0125.2	MWHITE02 - 2021-06-14 07:31:48 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	06/14/2021	Yes	Manufactured Treatment Device	2	09-23-2021	Private
BP Gas Station	T106.1	MWHITE02 - 2021-06-14 10:47:02 -- Please clear accumulated sediment and debris from the curb cut inlet, the drop inlet, and the underground infiltration trench.;	06/14/2021	Yes	Infiltration Practices	1	08-30-2021	Private
Mixed Use Building	12-0082.1	MWHITE02 - 2021-06-15 12:34:26 -- Could not gain access. Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. ;	06/15/2021	Yes	Manufactured Treatment Device	4	11-23-2021	Private
NRHA Broad Creek Ph. 5	14-0022.1	MWHITE02 - 2021-06-15 14:37:46 -- Please remove overgrown vegetation near the inlets/outlets. Please maintain overgrown vegetation as part of routine maintenance and remove any cat tails. Please remove all trash and debris from within and around the basin. ;	06/15/2021	Yes	Extended Detention Basin	2	09-28-2021	Public
Norfolk General New Pavilion & Parkir	03-0327.2	MWHITE02 - 2021-06-17 11:54:11 -- Please maintain overgrown vegetation and remove woody vegetation from within the basin. Please remove accumulated trash and debris and dispose of it lawfully. Please clear vegetation and debris from the inlets and outlets of the basin. ;	06/17/2021	Yes	Bioretention	1	08-24-2021	Private
Norfolk General New Pavilion & Parkir	03-0327.4	MWHITE02 - 2021-06-17 12:02:31 -- Please maintain the Stormceptor unit according to the manufacturer's specifications and provide a copy of the maintenance log. ;	06/17/2021	Yes	Manufactured Treatment Device	1	08-24-2021	Private
The Beauty Parlor	08-0078.1	MWHITE02 - 2021-06-17 11:03:50 -- Please maintain the Flo Guard unit in accordance with the manufacturer's specifications and provide copies of the maintenance records. ;	06/17/2021	Yes	Manufactured Treatment Device	1	07-22-2021	Private
Norfolk General New Pavilion & Parkir	03-0327.1	MWHITE02 - 2021-06-22 12:24:20 -- Please maintain overgrown vegetation and remove woody vegetation from within the basin. Please remove accumulated trash and debris and dispose of it lawfully. Please clear vegetation and debris from the inlets and outlets of the basin.
;	06/22/2021	Yes	Bioretention	1	08-24-2021	Private
Norfolk General New Pavilion & Parkir	03-0327.3	MWHITE02 - 2021-06-22 12:12:30 -- Please maintain the Stormceptor according to the manufacturer's specifications and provide a copy of the maintenance log. ;	06/22/2021	Yes	Manufactured Treatment Device	1	08-24-2021	Private
EG Middleton Office Addition	06-0023.1	MWHITE02 - 2021-06-22 08:08:41 -- Please keep vehicles, trailers, and materials off of the BMP. ;	06/22/2021	Yes	Infiltration Practices	1	08-24-2021	Private
Red Cross Parking Lot	07-0104.1	MWHITE02 - 2021-06-24 09:46:53 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	06/24/2021	Yes	Manufactured Treatment Device	1	08-13-2021	Private
Red Cross Parking Lot	07-0104.2	MWHITE02 - 2021-06-24 09:46:14 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. ;	06/24/2021	Yes	Manufactured Treatment Device	1	08-13-2021	Private
Red Cross Parking Lot	07-0104.3	MWHITE02 - 2021-06-24 09:42:07 -- Please maintain the Contech system in accordance with the manufacturer's specifications and provide copies of the maintenance logs. ;	06/24/2021	Yes	Manufactured Treatment Device	1	08-13-2021	Private

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Trader Square	04-0136.1	MWHITE02 - 2021-06-25 11:09:31 -- Please maintain the Vortechnics units per the manufacturer's specifications and provide a copy of the maintenance records. ;	06/25/2021	Yes	Manufactured Treatment Device	1	08-19-2021	Private
Trader Square	04-0136.2	MWHITE02 - 2021-06-25 11:11:04 -- Please maintain the Vortechnics units per the manufacturer's specifications and provide a copy of the maintenance records.;	06/25/2021	Yes	Manufactured Treatment Device	1	08-19-2021	Private
Fort Norfolk Plaza	08-0038.1	MWHITE02 - 2021-06-25 07:56:58 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	06/25/2021	Yes	Manufactured Treatment Device	3	10-25-2021	Private
Fort Norfolk Plaza	08-0038.2	MWHITE02 - 2021-06-25 07:52:10 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. ;	06/25/2021	Yes	Manufactured Treatment Device	3	10-25-2021	Private
Fort Norfolk Plaza	08-0038.3	MWHITE02 - 2021-06-25 08:20:23 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	06/25/2021	Yes	Manufactured Treatment Device	3	10-25-2021	Private
Fort Norfolk Plaza	08-0038.4	MWHITE02 - 2021-06-25 08:23:08 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	06/25/2021	Yes	Manufactured Treatment Device	3	10-25-2021	Private
Wells Fargo	09-0039.1	ADOAN - 2021-08-27 10:11:29 -- Bi-Annual maintenance scheduled for September 2021.;	06/28/2021	Yes	Manufactured Treatment Device	1	09-03-2021	Private
Wells Fargo	09-0039.2	ADOAN - 2021-08-27 10:04:10 -- Contact Carolyn Queensbury for maintenance records. ;	06/28/2021	Yes	Manufactured Treatment Device	1	09-03-2021	Private
Wells Fargo	09-0039.3	ADOAN - 2021-08-27 10:10:09 -- Bi-Annual maintenance scheduled for September 2021.;	06/28/2021	No	Manufactured Treatment Device	1	09-03-2021	Private
Wells Fargo	09-0039.4	ADOAN - 2021-06-28 15:01:57 -- Units are on a PM schedule for August 2021. ;	06/28/2021	Yes	Manufactured Treatment Device	1	09-02-2021	Public
Wells Fargo	09-0039.5	ADOAN - 2021-08-27 10:06:55 -- Bi-Annual Maintenance scheduled for September 2021.;	06/28/2021	Yes	Manufactured Treatment Device	1	09-03-2021	Private
Filipino Christian Church	12-0014.1	MWHITE02 - 2021-06-30 15:11:09 -- Please address holes in the basin. Please make sure the inlet and outlet are clear and flow is unobstructed. Please remove trash and debris from the outlet control structure. ;	06/30/2021	Yes	Detention Basin	1	08-30-2021	Private
Waterview 5 Lot Subdivision	13-0004.1	MWHITE02 - 2021-06-30 12:56:48 -- Swales are not present and need to be restored. Please restore the three swales called out in the site plans. ;	06/30/2021	Yes	Grass Channel	1	08-31-2021	Private
Lafayette Park Basin	S101.1		06/30/2021	Yes	Detention Basin	1	08-18-2021	Public
The Inspections located above had initial inspections in FY 21, but the reinspections occurred during FY22.								
R.E. Michel Building Addition	12-0030.1	MWHITE02 - 2021-07-01 13:39:17 -- BMP is well maintained. ;	07/01/2021	No	Extended Detention Basin	0		Private
Navy Federal Credit Union	T326.1	MWHITE02 - 2021-07-01 13:08:56 -- BMP is well maintained. ;	07/01/2021	No	Detention Basin	0		Private
Family Dollar	T486.1	MWHITE02 - 2021-07-01 14:37:35 -- Please remove trash and debris from the basin and dispose of it properly. Please clear any woody vegetation and maintain overgrown vegetation in the basin. Please clear the area around the inlet pipe so that the pipe is visible and clear any debris and sediment from the pipe. Please remove trash, debris and sediment from the catch basin in front of the BMP that drains into the BMP and the outlet control structure. ;	07/01/2021	Yes	Extended Detention Basin	5	01-18-2022	Private
Duplex	T612.1	MWHITE02 - 2021-07-01 14:11:13 -- BMP is well maintained. Bushes cover the extent of the mulch BMP. ;	07/01/2021	No	Infiltration Practices	0		Private
Almeda Business Center	T744.1	MWHITE02 - 2021-07-06 14:49:36 -- Swale connected to ditch out back along the highway. ;	07/06/2021	No	Grass Channel	0		Private
United Way	T598.1	MWHITE02 - 2021-07-08 10:20:21 -- Keep an eye on the slope around the outlet control structure and watch for erosion during the next inspection. ;	07/08/2021	No	Detention Basin	0		Private
Raytheon	92067.076.1	MWHITE02 - 2021-07-12 08:20:05 -- Keep an eye on the accumulation of straw in the basin. ;	07/12/2021	No	Detention Basin	0		Private
Robin Hood Road Parking Lot	T223.1	MWHITE02 - 2021-07-12 08:30:27 -- Please remove accumulated sediment from the inlet pipe. ;	07/12/2021	Yes	Detention Basin	3	10-18-2021	Private
Abyssinia Baptist Church Parking Lot	T245.1	MWHITE02 - 2021-07-12 08:01:27 -- They used gravel to stabilized BMP because it had to be re-dug. ;	07/12/2021	No	Infiltration Practices	0		Private
Covan Building Addition	T251.1	MWHITE02 - 2021-07-12 08:58:43 -- Please remove trash from the drop inlet within the basin. Please remove the accumulated sediment in and in front of the inlet pipe. ;	07/12/2021	Yes	Detention Basin	2	10-18-2021	Private
Department of Homeland Security Bui	T284.1	MWHITE02 - 2021-07-12 08:09:31 -- BMP is well maintained.;	07/12/2021	No	Detention Basin	0		Private
Oaks at Elmhurst	14-0070.2	MWHITE02 - 2021-07-12 07:49:51 -- Could not access all the backyards but the swale appeared to be well maintained.;	07/12/2021	No	Grass Channel	0		Private
Lamberts Point Community Center	08-0008.2	ADOAN - 2021-07-13 12:48:05 -- Underground storage with permeable pavers. BMP maintained.;	07/13/2021	No	Manufactured Treatment Device	0		Public
Lamberts Point 26th St. Improvement	09-0072.1	ADOAN - 2021-07-13 13:42:40 -- Filterra in good condition. On schedule for PM in November 2021.;	07/13/2021	No	Manufactured Treatment Device	0		Public
Lambert's Point Rec Center Parking A	10-0073.1	ADOAN - 2021-07-13 12:19:53 -- Pavers are in good condition. ;	07/13/2021	No	Permeable Pavement	0		Public
RiverStar Homes Bioretention	S69.1	ADOAN - 2021-07-13 11:57:38 -- BMP maintained.;	07/13/2021	No	Bioretention Basins	0		Public
Herbert St Subdivision	Herbert St. Sub. Infiltration Basins.1	MWHITE02 - 2021-07-13 08:38:25 -- Could not gain access (gate was broken). OK.;	07/13/2021	No	Grass Channel	0		Private
Herbert St Subdivision	Herbert St. Sub. Infiltration Basins.2	MWHITE02 - 2021-07-13 08:51:28 -- BMP appears to be well maintained. ;	07/13/2021	No	Grass Channel	0		Private
Herbert St Subdivision	Herbert St. Sub. Infiltration Basins.3	MWHITE02 - 2021-07-13 08:47:23 -- BMP is well maintained, minor sediment/debris in yard basin. ;	07/13/2021	No	Grass Channel	0		Private
Herbert St Subdivision	Herbert St. Sub. Infiltration Basins.4	MWHITE02 - 2021-07-13 07:14:55 -- Please restore BMP to meet the approved site plans. Nothing can be built on or impede the BMP. ; MWHITE02 - 2021-07-13 07:23:23 -- Please remove accumulated debris and sediment from the yard basin. ; MWHITE02 - 2021-09-09 09:12:54 -- Patio was removed as of 9/1/21, homeowner is overseas. Will be stabilized upon his return in January. ; MWHITE02 - 2022-01-31 08:50:46 -- Homeowner has returned from deployment, basin has been restored. Is waiting for sod because grass failed to take. ;	07/13/2021	Yes	Grass Channel	1	04-04-2022	Private
Lamberts Point Community Center	08-0008.1	ADOAN - 2021-07-30 07:21:49 -- WO requested to flush yard basins. ;	07/13/2021	Yes	Bioretention	0		Public
Lamberts Point Community Center	08-0008.3		07/13/2021	No	Permeable Pavement	0		Public
Cape Henry Subdivision	05-0008.1	ADOAN - 2021-07-15 07:18:09 -- Mow grass. WO generated back on 6-24-21.;	07/14/2021	Yes	Detention Basin	1	07-28-2021	Public
Cape Henry Subdivision	05-0008.2	ADOAN - 2021-07-15 07:20:08 -- Maintain overgrown woody vegetation and mow grass. WO and PM have been scheduled.;	07/14/2021	Yes	Detention Basin	1	07-28-2021	Public
Cape Henry Subdivision	05-0008.3	ADOAN - 2021-07-15 07:21:48 -- Swale maintained.;	07/14/2021	No	Grass Channel	0		Public

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Lamberts Point Pond	01-0095.1	ADOAN - 2021-07-14 15:26:20 -- BMP well maintained.;	07/14/2021	No	Wet Pond	0		Public
ODU University Village	02-2367.1	ADOAN - 2021-07-14 14:57:32 -- BMP well maintained. ;	07/14/2021	No	Wet Pond	0		Public
Fairmount Park Phase 13B	15-0010.1	ADOAN - 2021-07-15 08:16:16 -- Cut back overgrown trees and remove trash. Maintain Filterrra according to manufacturer Specs.;	07/14/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
Fairmount Park Phase 13B	15-0010.2	ADOAN - 2021-07-15 08:20:08 -- Cutback overgrown trees. Maintain Filterra according to manufacturer specs.;	07/14/2021	Yes	Manufactured Treatment Device	2	04-12-2022	Public
Fairmount Park Phase 13B	15-0010.3	ADOAN - 2021-07-15 08:25:21 -- Cutback overgrown trees. Maintain Filterra according to manufacturer specs.;	07/14/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
Fairmount Park Phase 13B	15-0010.4	ADOAN - 2021-07-15 08:27:08 -- Cutback overgrown trees. Replace missing tree. Maintain Filterra according to manufacturer specs.;	07/14/2021	Yes	Manufactured Treatment Device	1	11-19-2021	Public
HRT Newtown Park and Ride	Light Rail.1	MWHITE02 - 2021-07-20 08:24:53 -- The extended detention basin is holding water and not functioning as designed. The detention basin needs to be dredged out in accordance with the plans. Please repair the erosion of the banks around the detention basin. Please remove trash and debris from within and around the basin. ;	07/16/2021	Yes	Extended Detention Basin	3	11-22-2021	Private
Contel Cellular Tower	T170.1	MWHITE02 - 2021-07-16 12:31:49 -- BMP is well maintained. ;	07/16/2021	No	Grass Channel	0		Private
Newtowne South Townhomes	06-0036.1	MWHITE02 - 2021-08-03 08:18:58 -- Please remove trash from within the basin, from the inlet pipe, and from the outlet control structure. Please address any holes in the bottom or side of the basin.;	07/16/2021	Yes	Detention Basin	1	09-28-2021	Private
Newtowne South Townhomes	06-0036.2	MWHITE02 - 2021-08-03 08:28:40 -- Please remove any trash from within the basin and inlet/outlet pipes. Please remove accumulated sediment from in and around the inlet pipe. Please remove charcoal from the BMP and dispose of it properly. ;	07/16/2021	Yes	Detention Basin	1	09-28-2021	Private
Children's Harbor	99-4004.1	MWHITE02 - 2021-07-20 15:13:06 -- Please maintain the Baysaver in accordance with the manufacturer's specifications and provide a copy of the maintenance record. ;	07/20/2021	Yes	Manufactured Treatment Device	1	08-30-2021	Private
Archers Green Apartments	91067.006.2	MWHITE02 - 2021-07-21 14:34:02 -- Both sides of weirs appear to be free of sediment.;	07/21/2021	No	Infiltration Practices	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.3		07/21/2021	No	Permeable Pavement 1	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.2		07/21/2021	No	Permeable Pavement 1	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.1		07/21/2021	No	Permeable Pavement 1	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.4		07/21/2021	No	Other Retrofit- Runoff Reduction	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.5		07/21/2021	No	Credit Purchase	0		Private
Dr. Hamlin Parking Lot	T61.1	MWHITE02 - 2021-07-22 15:18:19 -- Keep an eye on accumulated sediment in the curb cut inlet. OK for now. ;	07/22/2021	No	Detention Basin	0		Private
Lyon Shipyard Building Addition	18-0064.1	MWHITE02 - 2021-07-23 13:50:36 -- BMP is in good condition, contains minimal sediment. ;	07/23/2021	No	Manufactured Treatment Device	0		Private
OSAGE	09-0031.1	MWHITE02 - 2021-07-26 12:40:20 -- BMP is well maintained. ;	07/26/2021	No	Grass Channel	0		Private
Woodland Avenue Baptist Church	12-0048.1	ADOAN - 2021-07-27 14:52:05 -- BMP maintained. IP can be removed.;	07/27/2021	No	Infiltration Practices	0		Private
Division of Streets & Bridges	T768.1	ADOAN - 2021-07-27 07:23:27 -- OWS cleaned on June 15, 2021.;	07/27/2021	No	Manufactured Treatment Device	0		Public
Combined McKann Ave. Facility	T650.1	ADOAN - 2021-07-27 08:52:38 -- BMP has been maintained and recently mowed.;	07/27/2021	No	Wet Pond	0		Public
Doctor's Office	T430.1	MWHITE02 - 2021-07-27 15:29:40 -- BMP is well maintained. ;	07/27/2021	No	Infiltration Practices	0		Private
Cape Henry Avenue Site Renovations	91067.005.1	ADOAN - 2021-07-27 08:25:56 -- BMP well maintained.;	07/27/2021	No	Infiltration Practices	0		Public
Manteo Street and West Princess Roa	T370.1	MWHITE02 - 2021-07-28 14:56:30 -- Infiltration practice beneath deck. Roof drains and driveway drain water to the BMP. ;	07/28/2021	No	Infiltration Practices	0		Private
Thermcor, Inc.	08-0081.1	MWHITE02 - 2021-07-29 07:19:47 -- BMP appears well maintained. ;	07/29/2021	No	Grass Channel	0		Private
Jeff Robertson Park - parking lot	09-0068.1	MWHITE02 - 2021-08-03 14:44:09 -- BMP was archived by mistake in 2017 when 15-0014 was installed. This is the first inspection after re-activating it. There are some minor bare spots, but it is overall in good condition. There is discussion of ERP doing some planting inside the basin. ;	08/03/2021	No	Infiltration Practices	0		Public
Southside Aquatic Center	11-0020.1	ADOAN - 2021-08-05 09:06:54 -- Maintain overgrown vegetation. On the PM schedule for 9/2021;	08/03/2021	Yes	Detention Basin	1	09-29-2021	Public
Tidewater Park Elementary	00-4306.1	ADOAN - 2021-08-05 08:59:12 -- BMP in good condition. Drop inlets are clear. ;	08/03/2021	No	Detention Basin	0		School
Willard Elementary School Parking Lo	03-136.1	ADOAN - 2021-08-05 07:59:53 -- Remove accumulated sediment from curb cut/concrete culvert to allow rain water to flow into infiltration trench. Remove accumulated sediment and debris from curb and gutter throughout parking area.;	08/03/2021	Yes	Infiltration Practices	1	08-20-2021	School
Norfolk Public Health Center	T522.1	ADOAN - 2021-08-05 08:50:50 -- BMP in good condition. PM scheduled for September 2021.;	08/03/2021	No	Infiltration Practices	0		Public
Cape Henry Filterra	SCHF.1	ADOAN - 2021-08-03 13:01:45 -- Filterra on the schedule for PM in October 2021. Will re-inspect then. ;	08/03/2021	Yes	Manufactured Treatment Device	1	11-10-2021	Public
Norfolk Multi-Modal Transportation Ce	12-0044.1	ADOAN - 2021-08-05 10:20:47 -- BMP has been placed on a PM schedule for 9/2021.;	08/03/2021	Yes	Manufactured Treatment Device	1	11-10-2021	Public
Harbor Park Picnic Area	16-0065.1	ADOAN - 2021-08-05 09:55:25 -- Remove vegetation from the curb/inlet. Maintain Filterra according to manufactures specifications. Maintain overgrown trees in the Filterra. ;	08/03/2021	Yes	Manufactured Treatment Device	0		Private
Historic Fort Norfolk- South Hampton	10-0049.2	ADOAN - 2021-08-18 08:32:02 -- WO requested for maintenance. Tree will be ordered by Justin and replacement will occur in November.;	08/03/2021	Yes	Manufactured Treatment Device	1	11-22-2021	Public
Duplex	05-0114.1	MWHITE02 - 2021-08-05 07:10:34 -- Please restore the infiltration basin in the front and do not park on it. Please locate the observation well in the back and repair as needed. ;	08/04/2021	Yes	Infiltration Practices	3	11-18-2021	Private
Residental Dwellings	05-0137.1	MWHITE02 - 2021-08-04 09:41:25 -- Please restore the bioretention area to match the plans and refrain from parking on it. ;	08/04/2021	Yes	Bioretention	1	10-04-2021	Private
RT Body Shop Addition	10-0075.1	MWHITE02 - 2021-08-04 07:30:20 -- Please remove the bag of concrete and any other debris from the basin. Please remove accumulated trash, debris, and sediment from the outlet control structure. Please remove accumulated sediment from the curb-cut inlet and the curb line. ;	08/04/2021	Yes	Detention Basin	2	10-14-2021	Private
Pretty Lake Condos	13-0089.1	MWHITE02 - 2021-08-04 08:11:52 -- BMP is functioning well, keep an eye on the swales on the sides of the property in the next inspection. ;	08/04/2021	No	Extended Detention Basin	0		Private
Historic Fort Norfolk- South Hampton	10-0049.1	ADOAN - 2021-10-11 12:43:03 -- WO requested for maintenance. Tree will be ordered by Justin and replacement will occur in November.;	08/04/2021	Yes	Manufactured Treatment Device	1	11-22-2021	Public

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Lot 27 8025 Ransom Road	08-0060.1	MWHITE02 - 2021-08-05 11:29:07 -- BMP is well maintained. ;	08/05/2021	No	Bioretention	0		Private
Lot 25 8033 Ransom Road	08-0062.1	MWHITE02 - 2021-08-05 10:19:13 -- BMP is well maintained. ;	08/05/2021	No	Bioretention	0		Private
Lot 24 8037 Ransom Road	08-0063.1	MWHITE02 - 2021-08-05 09:10:13 -- BMP is well maintained. ;	08/05/2021	No	Bioretention	0		Private
Lot 24 8037 Ransom Road	08-0063.4	MWHITE02 - 2021-08-05 09:03:52 -- Bioretention is well maintained. ;	08/05/2021	No	Bioretention	0		Private
Lot 24 8037 Ransom Road	08-0063.3	MWHITE02 - 2021-08-05 09:20:22 -- BMP appears to be well maintained.;	08/05/2021	No	Bioretention	0		Private
Lot 24 8037 Ransom Road	08-0063.2	MWHITE02 - 2021-08-05 09:30:14 -- BMP appears to be well maintained from the fence line. ;	08/05/2021	No	Bioretention	0		Private
Lot 24 8037 Ransom Road	08-0063.5	MWHITE02 - 2021-08-05 09:17:28 -- Permeable pavement is in good condition and well maintained. ;	08/05/2021	No	Permeable Pavement	0		Private
Lot 25 8033 Ransom Road	08-0062.4	MWHITE02 - 2021-08-05 10:04:01 -- Media is gravel instead of mulch but vegetation seems to be doing ok.;	08/05/2021	No	Bioretention	0		Private
Lot 25 8033 Ransom Road	08-0062.2	MWHITE02 - 2021-08-05 10:22:25 -- BMP is well maintained. ;	08/05/2021	No	Bioretention	0		Private
Lot 25 8033 Ransom Road	08-0062.3	MWHITE02 - 2021-08-05 10:25:12 -- BMP is well maintained. ;	08/05/2021	No	Bioretention	0		Private
Lot 25 8033 Ransom Road	08-0062.5	MWHITE02 - 2021-08-05 10:44:50 -- Presto Geoblock Porous Pavers, some grass is ok. ;	08/05/2021	No	Permeable Pavement	0		Private
Lot 27 8025 Ransom Road	08-0060.3	MWHITE02 - 2021-08-05 12:11:49 -- BMP is well maintained. ;	08/05/2021	No	Bioretention	0		Private
Lot 27 8025 Ransom Road	08-0060.4	MWHITE02 - 2021-08-05 11:08:26 -- BMP is well maintained.;	08/05/2021	No	Bioretention	0		Private
Lot 27 8025 Ransom Road	08-0060.2	MWHITE02 - 2021-08-05 12:10:04 -- BMP is well maintained ;	08/05/2021	No	Bioretention	0		Private
Lot 27 8025 Ransom Road	08-0060.5	MWHITE02 - 2021-08-05 11:31:11 -- Presto Geoblock Porous Pavers, some grass is ok.;	08/05/2021	No	Permeable Pavement	0		Private
Downtown Pump Station (PS 145)	07-0088.1	ADOAN - 2021-09-02 08:07:02 -- BMP in good condition. Very little sediment. ;	08/06/2021	No	Manufactured Treatment Device	0		Public
Cook Out	17-0021.1	MWHITE02 - 2021-08-09 08:06:57 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. The tree cannot grow into the grate and will have to be replaced. Please clear accumulated trash, sediment, and debris from the inlet. ;	08/09/2021	Yes	Manufactured Treatment Device	2	11-22-2021	Private
Cook Out	17-0021.2	MWHITE02 - 2021-08-09 15:22:00 -- Please clean the structure with the weir and outlet control orifice and re-secure, or if needed, repair, or replace the trash rack. Please provide maintenance records. ;	08/09/2021	Yes	Manufactured Treatment Device	2	11-22-2021	Private
Dollar General	12-0074.1	MWHITE02 - 2021-08-10 14:29:21 -- Please remove trash and debris from the basin. Please clear accumulated sediment and debris from the curb-cut inlets and curb lines. ;	08/10/2021	Yes	Bioretention	3	11-22-2021	Private
Dollar General	12-0074.2	MWHITE02 - 2021-08-10 14:34:42 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	08/10/2021	Yes	Manufactured Treatment Device	3	11-22-2021	Private
829-831 Little Bay Ave Duplex	18-0020.2	MWHITE02 - 2021-08-12 13:17:48 -- Infiltration basin in the back, in good condition. ;	08/10/2021	No	Infiltration 2	0		Private
829-831 Little Bay Ave Duplex	18-0020.1	MWHITE02 - 2021-08-12 13:31:05 -- Monitor area around the observation well where soil sunk.;	08/10/2021	No	Detention Basin	0		Private
Sunset Shores	03-0009.1	MWHITE02 - 2021-08-11 12:33:07 -- Unit was cleaned 8/5/21, received maintenance records from Martin Slater of Decker Management who also manages the Stormceptor for the D'Egg on Lexan Ave T705. ;	08/11/2021	No	Manufactured Treatment Device	0		Private
Milton Point at Kimball Terrace Shipya	15-0046.1	MWHITE02 - 2021-08-11 14:57:31 -- BMP is well maintained. Met with Mark Hudgins on-site. ;	08/11/2021	No	Dry Swale 1	0		Private
Milton Point at Kimball Terrace Shipya	15-0046.2	MWHITE02 - 2021-08-11 15:05:40 -- BMP is well maintained. Met with Mark Hudgins on-site.;	08/11/2021	No	Dry Swale 1	0		Private
Milton Point at Kimball Terrace Shipya	15-0046.3	MWHITE02 - 2021-08-11 15:03:28 -- BMP is well maintained. Met with Mark Hudgins on-site.;	08/11/2021	No	Dry Swale 1	0		Private
Pope Avenue Street Improvements	T69.1	ADOAN - 2021-08-11 14:29:49 -- Remove accumulated sediment and trash. WO generated.;	08/11/2021	Yes	Manufactured Treatment Device	1	10-11-2021	Public
McKann Ave Street Expansion	06-0032.1	ADOAN - 2021-08-11 14:54:47 -- Maintain overgrown vegetation. Maintain Filterra according to manufacturer specifications.; ADOAN - 2021-08-11 14:56:24 -- PM scheduled for 10/2021. ;	08/11/2021	Yes	Manufactured BMP Systems	1	10-12-2021	Public
McKann Ave Street Expansion	06-0032.2	ADOAN - 2021-08-11 15:03:44 -- Maintain overgrown vegetation. Maintain Filterra according to manufacture specifications. OM scheduled for 10/2021;	08/11/2021	Yes	Manufactured BMP Systems	1	10-12-2021	Public
Forest Lawn Cemetary	10-0069.1	ADOAN - 2021-08-11 14:09:44 -- BMP maintained. Asked Staff on site to move trailer that was parked in the BMP. ;	08/11/2021	No	Infiltration Practices	0		Public
Jeff Robertson Park	15-0014.1	ADOAN - 2021-08-11 14:20:51 -- BMP well maintained. no visible trash. ;	08/11/2021	No	Stormwater Wetland	0		Public
Forest Lawn Mausoleum	14-0045.1	ADOAN - 2021-08-11 14:02:37 -- BMP is well maintained. ;	08/11/2021	No	Detention Basin	0		Public
Replacement Pump Station No. 4A	16-0026.1	CLVANLE - 2021-08-12 14:01:22 -- Grass channel-well vegetated and definitive slope going towards ROW.;	08/11/2021	No	Grass Channel	0		Public
Norfolk Cruise Terminal	05-0060.1	ADOAN - 2021-08-17 09:04:48 -- 2021-8-1: The units are on a PM schedule and were flushed and vactored.;	08/12/2021	No	Manufactured Treatment Device	0		Public
Norfolk Cruise Terminal	05-0060.2	ADOAN - 2021-08-17 09:07:01 -- 2021-8-1: The units are on a PM schedule and were flushed and vactored.;	08/12/2021	No	Manufactured Treatment Device	0		Public
Taco Bell	05-0123.1	MWHITE02 - 2021-08-12 10:51:20 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. The tree is growing into the grate and will need to be replaced.
08/12/2021	Yes	Manufactured Treatment Device	1	10-08-2021	Private
Taco Bell	05-0123.2	MWHITE02 - 2021-08-12 10:30:51 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. The tree is growing into the grate and will need to be replaced. ;	08/12/2021	Yes	Manufactured Treatment Device	1	10-08-2021	Private
Taco Bell	05-0123.3	MWHITE02 - 2021-08-12 10:56:17 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	08/12/2021	Yes	Manufactured Treatment Device	1	10-08-2021	Private
Slover Library	11-0027.1	ADOAN - 2021-08-12 14:20:30 -- Pm scheduled for flush in 8/2021.;	08/12/2021	No	Manufactured Treatment Device	0		Public
Nauticus	91067.009.1	ADOAN - 2021-08-17 08:52:12 -- WO and PM completed on 8/12/2021. system was flushed.;	08/12/2021	No	Manufactured Treatment Device	0		Public
Cedar Grove Parking Lot	T66.1	ADOAN - 2021-08-12 13:28:09 -- Remove downed tree limbs from concrete culvert. Remove accumulated sediment and debris from gutter leading to BMP. PM scheduled for 9/2021.;	08/12/2021	Yes	Detention Basin	1	09-08-2021	Public
Plume Ln. Parking Garage	T715.1	ADOAN - 2021-08-12 14:24:17 -- Pm scheduled for flush in 8/2021.;	08/12/2021	No	Manufactured Treatment Device	0		Public

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Boush Street Garage	03-295.1	ADOAN - 2021-08-12 14:29:12 -- Pm scheduled for flush in 8/2021.;	08/12/2021	No	Manufactured Treatment Device	0		Public
MacArthur Mall Museum Expansion	11-0031.1	ADOAN - 2021-08-12 13:54:34 -- No tree in Filterra. Filterra tree needs to be replaced. Tree planting scheduled for November 2021.;	08/12/2021	Yes	Manufactured Treatment Device	1	11-08-2021	Public
MacArthur Mall Museum Expansion	11-0031.2	ADOAN - 2021-08-12 13:54:09 -- BMP maintained. No trash or erosion noted.;	08/12/2021	No	Detention Basin	0		Public
814 Brennan Ave-5 lot subdivision	16-0091.5	MWHITE02 - 2021-08-12 14:23:14 -- BMP is in good condition. ;	08/12/2021	No	Bioretention- Micro 1	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.4	MWHITE02 - 2021-08-12 14:19:10 -- BMP is in good condition. ;	08/12/2021	No	Bioretention- Micro 1	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.2	MWHITE02 - 2021-08-12 14:47:18 -- BMP is in good condition. ;	08/12/2021	No	Bioretention- Micro 1	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.1	MWHITE02 - 2021-08-12 14:13:36 -- BMP is in good condition;	08/12/2021	No	Bioretention- Micro 1	0		Private
AIM Technical School Parking Lot & S	19-0042.1	MWHITE02 - 2021-08-12 15:20:57 -- Wet pond retrofit;	08/12/2021	No	Wet Pond 1	0		Private
AIM Technical School Parking Lot & S	19-0042.3	MWHITE02 - 2021-08-12 15:15:53 -- Filterra is well maintained.;	08/12/2021	No	Manufactured Treatment Device	0		Private
AIM Technical School Parking Lot & S	19-0042.2	MWHITE02 - 2021-08-12 15:17:55 -- first inspection, filterra is well maintained. ;	08/12/2021	No	Manufactured Treatment Device	0		Private
AIM Technical School Parking Lot & S	19-0042.4	MWHITE02 - 2021-08-12 15:11:57 -- First inspection. OK.;	08/12/2021	No	Manufactured Treatment Device	0		Private
Norfolk Machine & Welding	11-0045.1	MWHITE02 - 2021-08-16 11:53:26 -- BMP is well maintained, heavy rain within the last 48 hrs. Spoke to the owner and discussed the rip rap and preventing erosion. Also discussed the owners desire to install a cistern. ;	08/16/2021	No	Infiltration Practices	0		Private
821 W 26TH ST - Industrial Storage B	12-0006.1	MWHITE02 - 2021-08-16 12:12:45 -- Infiltration trench is in good condition. ;	08/16/2021	No	Infiltration Practices	0		Private
Bus Transfer Station	13-0085.1	ADOAN - 2021-08-16 14:55:44 -- Pm is schedule for 10/2021.;	08/16/2021	Yes	Manufactured Treatment Device	1	10-11-2021	Public
Bus Transfer Station	13-0085.2	ADOAN - 2021-08-16 14:59:33 -- PM scheduled for 10/2021 for vactoring.;	08/16/2021	Yes	Manufactured Treatment Device	0		Public
Bus Transfer Station	13-0085.3	ADOAN - 2021-08-16 14:57:23 -- PM scheduled for 10/2021.;	08/16/2021	Yes	Manufactured Treatment Device	1	10-19-2021	Public
Ghent Station	13-0091.1	MWHITE02 - 2021-08-16 12:50:11 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance record. ;	08/16/2021	Yes	Manufactured Treatment Device	1	08-25-2021	Private
Southside Library	18-0087.2	ADOAN - 2021-08-17 09:16:48 -- Final site inspection after construction. BMP is installed and functioning. All vegetation within the BMP has been established. Keep an eye on erosion and mulch. ;	08/16/2021	No	Bioretention 1	0		Public
Southside Library	18-0087.1	ADOAN - 2021-08-17 09:20:35 -- Final inspection after construction. BMP is installed and functioning. All plants are established. ;	08/16/2021	No	Bioretention 1	0		Public
Retail / Offices	08-0009.1	MWHITE02 - 2021-08-17 13:04:30 -- Less than 24 hours after a rain event, still holding water. ;	08/17/2021	No	Infiltration Practices	0		Private
Retail / Offices	08-0009.2	MWHITE02 - 2021-08-17 13:06:51 -- BMP is holding water, but it is less than 24 hours after a rain event. ;	08/17/2021	No	Infiltration Practices	0		Private
Retail / Offices	08-0009.3	MWHITE02 - 2021-08-17 13:12:10 -- BMP in good condition, holding some water less than 24 hours after a rain event. ;	08/17/2021	No	Infiltration Practices	0		Private
Lafayette Boulevard Streetscape Impr	16-0025.1	ADOAN - 2021-08-17 12:53:43 -- Stormtech unit on a PM schedule for 8/2021.;	08/17/2021	Yes	Manufactured Treatment Device	1	09-08-2021	Public
2607 Colonial Ave.	17-0052.2	MWHITE02 - 2021-08-17 15:04:15 -- BMP in good condition, will most likely need to be cleaned next inspection, sediment and trash minimal for now. ; MWHITE02 - 2021-08-18 09:07:01 -- Inspection was of 17-0052.1, 17-0052.2 is the credit purchase. ;	08/17/2021	No	Credit Purchase	0		Private
STUART SCHOOL APARTMENTS	19-0086.1	MWHITE02 - 2021-08-17 07:49:51 -- Pervious pavement in the parking lot with underdrains.;	08/17/2021	No	Permeable Pavement	0		Private
2607 Colonial Ave.	17-0052.1	MWHITE02 - 2021-08-18 09:10:26 -- BMP is in good condition, will most likely need to be cleaned out next inspection but accumulated trash and sediment is minor for now. ;	08/18/2021	No	Manufactured Treatment Device	0		Private
Norfolk Courts Rear Access	16-0105.1	ADOAN - 2021-08-20 13:39:25 -- BMP maintained.;	08/19/2021	No	Infiltration 1	0		Public
City Hall North Garage Replacement	18-0056.1	ADOAN - 2021-08-19 11:51:04 -- BMP has been maintained. No trash or debris visible. Pavers look good.;	08/19/2021	No	Permeable Pavement 1	0		Public
Norview High School	02-0010.1	ADOAN - 2021-08-23 15:08:55 -- Pond is in great shape. It appears that tree trimming was done and the debris was left on site. Remove tree debris along top of bank and along two areas on the water's edge. ;	08/23/2021	No	Wet Pond	0		School
Norview Community Center	06-0116.1	ADOAN - 2021-08-24 07:24:00 -- BMP appears to be well maintained.;	08/23/2021	No	Bioretention Basins	0		Public
Norview Community Center	06-0116.2	ADOAN - 2021-08-24 07:26:37 -- WO requested for erosion repair around structure. The rest of the BMP is clear of debris and trash. ;	08/23/2021	Yes	Infiltration Practices	0		Public
Norview Middle School	92067.082.1	ADOAN - 2021-08-25 12:44:38 -- Remove accumulated sediment at mouth of outfalls and clear a flow path into BMP. Remove trash throughout the BMP.;	08/24/2021	Yes	Extended Detention Basin	1	09-28-2021	School
Norview Middle School	92067.082.2	ADOAN - 2021-08-25 12:49:57 -- Trim trees inside the BMP to allow for mowing crew to mow the inside of BMP. Remove sediment from the mouth of the outfalls. Remove trash throughout the BMP. ;	08/24/2021	Yes	Extended Detention Basin	1	09-28-2021	School
Dairy Queen/Zero Subs	T367.1	MWHITE02 - 2021-08-24 12:36:09 -- Please remove accumulated sediment and debris from the trench drain in the parking lot. ;	08/24/2021	Yes	Infiltration Practices	2	11-10-2021	Private
Dairy Queen/Zero Subs	T367.2	MWHITE02 - 2021-08-24 12:46:54 -- Please remove any accumulated sediment and debris from in and around the inlet and the infiltration pipe. ;	08/24/2021	Yes	Infiltration Practices	2	11-22-2021	Private
Union Chapel A.M.E. Church	T38.3	MWHITE02 - 2021-08-24 13:40:01 -- Please remove accumulated sediment from curb-cut inlets. Please remove vegetation and debris from the stone of the BMP. ;	08/24/2021	Yes	Infiltration Practices	2	11-15-2021	Private
Duplex	06-0045.1	ADOAN - 2021-08-25 14:29:07 -- Pm scheduled for October 2021.;	08/25/2021	Yes	Manufactured Treatment Device	1	11-22-2021	Public
Duplex	06-0045.2	ADOAN - 2021-08-25 14:24:06 -- Bio-retention in good condition.;	08/25/2021	No	Bioretention	0		Public
Duplex	06-0045.3	ADOAN - 2021-08-25 14:35:10 -- Pm scheduled for October 2021. Tree to be replaced in November.;	08/25/2021	Yes	Manufactured Treatment Device	2	04-12-2022	Public
Dey Street and Texas Avenue Roadwa	07-0017.1	ADOAN - 2021-08-25 14:03:26 -- BMP in good condition.;	08/25/2021	No	Infiltration Practices	0		Public
Palmetto St Drainage Improvement	11-0071.1	ADOAN - 2021-08-25 14:12:07 -- Pm was just completed on 8/13/2021.;	08/25/2021	No	Detention Basin	0		Public
Sherwood Forest Elementary	01-0198.1	ADOAN - 2021-08-25 13:21:51 -- Remove accumulated sediment and debris from parking lot and curb/gutter along the BMP. Remove accumulated sediment from the curb cuts and clear a flow path into the BMP. ;	08/25/2021	Yes	Infiltration Practices	1	09-28-2021	School

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Sherwood Forest Elementary School	05-0087.1	ADOAN - 2021-08-25 13:35:04 -- BMP maintained. No trash.;	08/25/2021	No	Detention Basin	0		School
Coleman Place Elementary School	06-0059.1	ADOAN - 2021-08-25 13:48:06 -- BMP in good shape. No trash or erosion on embankment. Pond is full of water. ;	08/25/2021	No	Wet Pond	0		School
Norfolk Commerce Pond #2	S10.1	ADOAN - 2021-08-31 13:05:17 -- 2021-8-25: BMP maintained.;	08/25/2021	No	Wet Pond	0		Private
Norfolk Commerce Pond #3	S11.1	ADOAN - 2021-08-25 14:50:04 -- Remove accumulated sediment at mouth of outfall and clear a flow path. BMP in good condition. Mowed and maintained.
 Outfall needs attention. WO requested for outfall pipe repair. ;	08/25/2021	Yes	Detention Basin	2	10-12-2021	Public
Norfolk Commerce Pond #1	S9.1	ADOAN - 2021-08-31 11:27:02 -- 2021-8-25: BMP well maintained.;	08/25/2021	No	Wet Pond	0		Private
Bolling Square Apartments Phase I	03-0280.1	MWHITE02 - 2021-08-26 12:48:01 -- Met with two board members on-site. Told them to remove the cement but some rip rap would be okay to prevent washout. ;	08/26/2021	Yes	Bioretention	1	09-08-2021	Private
Capitol Group Mail Center	08-0086.1	MWHITE02 - 2021-08-26 10:05:41 -- Fully vegetated, watch for overgrowth. ;	08/26/2021	No	Detention Basin	0		Private
2nd Patrol Division	09-0030.1	ADOAN - 2021-09-07 13:04:17 -- The pavers are in good condition. Repairs were made in June 2021. ;	09/07/2021	No	Permeable Pavement	0		Public
Central Business Park Pond Retrofit	16-0047.1	ADOAN - 2021-09-08 07:14:44 -- BMP in good condition. Aerators are down and a WO has been placed.;	09/07/2021	No	Wet Pond 1	0		Public
Bay Oaks Place Extension NRHA	T212.1	ADOAN - 2021-09-30 07:38:51 -- Infiltration basins are clear of trash and debris.;	09/16/2021	No	Infiltration Practices	0		Public
Bay Oaks Place (NRHA)	T58.1	ADOAN - 2021-09-30 07:33:27 -- Infiltration basin clean with no trash or debris.;	09/16/2021	No	Infiltration Practices	0		Public
Mil-Spec Abrasives	19-0004.1	ADOAN - 2021-09-30 15:07:48 -- Cut back overgrown vegetation along the ditches/swale line. Remove overgrown vegetation throughout the gabian and the outfalls. Remove overgrown vegetation from around the trash rack/overflow. ;	09/30/2021	Yes	Wet Pond 1	1	11-18-2021	Private
Mil-Spec Abrasives	19-0004.2	ADOAN - 2021-09-30 15:12:45 -- Vactor the Barracuda unit and provide documentation. Cutback overgrown vegetation along ditch line to create a clear flow from the outfall of the unit . ; ADOAN - 2021-10-12 08:17:36 -- Barracuda vactored on 10/11/2021.;	09/30/2021	Yes	Compost Amendment	1	10-11-2021	Private
Bay Oaks Place Extension	01-0026.1	ADOAN - 2021-10-01 14:08:40 -- BMP in good condition.;	10/01/2021	No	Manufactured Treatment Device	0		Public
Bay Oaks Place	T509.1	ADOAN - 2021-10-01 14:13:25 -- BMp in good condition.;	10/01/2021	No	Infiltration Practices	0		Public
Bay Oaks Park	13-0046.1	ADOAN - 2021-10-01 14:38:51 -- BMP in excellent condition.;	10/01/2021	No	Detention Basin	0		Public
Bay Oaks Park	13-0046.2	ADOAN - 2021-10-01 14:42:00 -- Cut back overgrown vegetation around the outfalls. Remove accumulated sediment in and around the mouth of the outfall.;	10/01/2021	Yes	Detention Basin	1	12-07-2021	Public
Walter H. Taylor Elementary School	T524.1	ADOAN - 2021-10-07 08:04:58 -- Manholes were opened and were found to be free of trash and debris. Leaf debris was removed from inlet while on site. ;	10/05/2021	No	Infiltration Practices	0		School
Walter H. Taylor Elementary School	T524.2	ADOAN - 2021-10-07 08:07:30 -- Inlet grate was opened and was found to be free of trash and debris. The manhole was unable to be opened due to the playground retaining wall that is on top of a portion of the manhole.;	10/05/2021	No	Infiltration Practices	0		School
Walter H. Taylor Elementary School	T524.3	ADOAN - 2021-10-07 08:11:22 -- Manholes were opened and were found to be free of trash and debris. Leaf debris was removed from inlet while on site. ;	10/05/2021	No	Infiltration Practices	0		School
Lake Taylor HS Storm Drain and Road	18-0022.1	ADOAN - 2021-10-21 13:15:05 -- 2021-10-12: Final Construction inspection and first post construction inspection. BMPs are in excellent condition. ;	10/12/2021	No	Manufactured Treatment Device	0		School
Lake Taylor HS Storm Drain and Road	18-0022.2	ADOAN - 2021-10-21 13:16:36 -- 2021-10-12: Final Construction inspection and first post construction inspection. BMPs are in excellent condition. ;	10/12/2021	No	Manufactured Treatment Device	0		School
Sentara Healthcare Orthopedic Site P	18-0069.2	ADOAN - 2021-10-27 09:34:40 -- Final inspection with some areas that needed attention. On 10-25-2021, all items were corrected. CO released. ;	10/13/2021	No	Manufactured Treatment Device	0		Private
Sentara Healthcare Orthopedic Site P	18-0069.3	ADOAN - 2021-10-27 09:34:51 -- Final inspection with some areas that needed attention. On 10-25-2021, all items were corrected. CO released. ;	10/13/2021	No	Manufactured Treatment Device	0		Private
Sentara Healthcare Orthopedic Site P	18-0069.1	ADOAN - 2021-10-27 09:33:40 -- Final inspection with some areas that needed attention. On 10-25-2021, all items were corrected. CO released. ;	10/13/2021	No	Manufactured Treatment Device	0		Private
Blair Middle School	03-0090.1	ADOAN - 2021-10-21 13:54:48 -- 2021-10-21: MEt with Green Alternatives one year later to finally get this infiltration trench cleaned. ;	10/21/2021	No	Infiltration Practices	1	01-18-2022	School
Blair Middle School	03-0090.2	ADOAN - 2021-10-21 13:50:26 -- 2021-10-21: BMP in good condition. Trees were trimmed back last year and homeless camp removed. ;	10/21/2021	No	Detention Basin	0		School
Ghent Elementary School Bus Loop	05-0088.1	ADOAN - 2021-10-21 13:40:32 -- 2021-10-21: Met with Green Alternatives one year later to finally get these units cleaned. ;	10/21/2021	Yes	Infiltration Practices	0		School
Gospel Church of Deliverance	91067.003.1	ADOAN - 2021-11-05 09:23:15 -- 2021-11-1: Drive by: Gates still locked. But it was visible that the BMP had been maintained with vegetation mowed. ;	11/01/2021	No	Detention Basin	0		Private
9501 8th Bay Street	T109.1	MWHITE02 - 2021-11-03 08:03:45 -- Vegetated filter strip at rear of property, backyard serves as natural BMP (50' buffer). ;	11/03/2021	Yes	Vegetated Filter Strip	0		Private
Duplex	04-0056.1	MWHITE02 - 2021-11-05 14:23:47 -- Swales are present but can be hard to distinguish. Watch for accumulation of sediment at ends of driveway, completely dry after last night's rain. ;	11/05/2021	No	Infiltration Practices	0		Private
Baywalk Townhouses	04-0133.1	MWHITE02 - 2021-11-05 14:36:17 -- Please remove accumulated sediment and debris from the drop inlet and infiltration pipe. ;	11/05/2021	Yes	Infiltration Practices	1	01-12-2022	Private
Baywalk Townhouses	04-0133.2	MWHITE02 - 2021-11-05 14:50:20 -- Ok, drop inlet is clear of sediment and debris. ;	11/05/2021	No	Infiltration Practices	0		Private
Pretty Lake Estates - Lot 11	T236.1	MWHITE02 - 2021-11-05 13:57:36 -- Same as T237 and T109, the backyard serves as a natural BMP. It was agreed to maintain a 50' buffer to the water. Backyard is flooded due to the high tide (we've had very high tides with recent wind conditions) and recent rain.;	11/05/2021	No	Vegetated Filter Strip	0		Private
Pretty Lake Estates - Lot 14	T237.1	MWHITE02 - 2021-11-05 13:48:19 -- Same as T236 and T109, the backyard serves as a natural BMP. It was agreed to maintain a 50' buffer to the water. ;	11/05/2021	No	Vegetated Filter Strip	0		Private
Rite Aid	T136.1	MWHITE02 - 2021-11-09 11:18:31 -- Please remove accumulated sediment from the curb cut inlet to the swale. Please remove trash from the swale. ;	11/09/2021	Yes	Detention Basin	1	01-12-2022	Private
Pretty Lake Terrace - Infrastructure Or	03-0129.1	MWHITE02 - 2021-11-10 14:30:30 -- Please remove the accumulated sediment from the paved flumes and restore/refresh rip rap as needed.;	11/10/2021	Yes	Grass Channel	1	01-12-2022	Public
9533 7th Bay Street	91067.008.1	MWHITE02 - 2021-11-10 13:59:53 -- Infiltration basin appears to be in good condition. ;	11/10/2021	No	Infiltration Practices	0		Private
Super KMart	T249.1	MWHITE02 - 2021-11-12 09:30:56 -- Please remove all trash and debris from within the BMP and from the surrounding area. Please repair or replace the chain-link fence where needed and keep the gates closed. Please remove overgrowth and woody vegetation from the banks of the basin and cut back vegetation around the inlet and outlet structures. Please remove accumulated sediment from inlet and outlet structures. Please address and mitigate erosion on the banks of the BMP and under the pictured inlet. Please ensure there is adequate rip rap at the inlets. Please address the uncovered opening to a pipe in the asphalt that is a safety hazard. ;	11/12/2021	Yes	Wet Pond	2	02-24-2022	Private
Ruby Tuesday	05-0093.1	MWHITE02 - 2021-11-15 15:04:52 -- Please maintain the Stormfilter in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	11/15/2021	Yes	Manufactured Treatment Device	1	12-21-2021	Private

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U-Haul	99-4220.1	MWHITE02 - 2021-11-15 14:47:37 -- Swale is in good condition.;	11/15/2021	No	Infiltration Practices	0		Private
WaWa Food Market	05-0040.1	MWHITE02 - 2021-11-16 15:04:13 -- Please remove cattails from along the banks of the retention basin and from blocking the inlet. Please remove trash and debris from the BMP. ;	11/16/2021	Yes	Wet Pond	5	06-13-2022	Private
LIDL Grocery Store	15-0054.1	MWHITE02 - 2021-11-16 14:33:51 -- Please remove invasive species (cattails) from the basin. Please remove any woody vegetation on the banks and within the basin. Please remove trash and debris from the basin. ;	11/16/2021	Yes	Extended Detention Pond 1	2	02-24-2022	Private
Tarrallton Park Improvements	07-0031.1	ADOAN - 2021-11-17 12:48:07 -- BMP in good condition. ;	11/17/2021	No	Manufactured Treatment Device	0		Public
Tarrallton Elementary Parking Lot	06-0142.1	ADOAN - 2021-11-17 12:52:56 -- BMP well maintained.;	11/17/2021	No	Grass Channel	0		School
Little Creek Elementary Parking Lot	06-0143.1	ADOAN - 2021-11-17 12:36:29 -- BMP in good condition.;	11/17/2021	No	Grass Channel	0		School
Lake Whitehurst Harvesting Facility	T125.1	ADOAN - 2021-11-17 11:24:27 -- Outfall/overflow needs to be cleaned of accumulated sediment and leaf debris. WO requested. ;	11/17/2021	Yes	Detention Basin	1	12-21-2021	Public
Fairmount Park - Phase 14A	16-0056.2	ADOAN - 2021-11-18 13:29:17 -- This file was just given to me by R. Hernandez. The project was in PARS but for some reason never transferred over into Lucity. This is the first inspection since installation. I requested a flush of the system and is now on a yearly inspection schedule. ; ADOAN - 2021-12-28 07:34:31 -- System flushed 11/30/2021.;	11/18/2021	Yes	Manufactured Treatment Device	1	11-30-2021	Public
Fairmount Park - Phase 14A	16-0056.1	ADOAN - 2021-11-18 13:26:48 -- This file was just given to me by R. Hernandez. The project was in PARS but for some reason never transferred over into Lucity. This is the first inspection since installation. I requested a flush of the system and is now on a yearly inspection schedule. ; ADOAN - 2021-12-28 07:34:09 -- System flushed 11/30/2021.
 ;	11/18/2021	Yes	Manufactured Treatment Device	1	11-30-2021	Public
Commander Corporate Center	06-0040.1	ADOAN - 2021-11-30 07:45:46 -- BMP maintained.;	11/29/2021	No	Wet Pond	0		Private
Lake Wright Executive Center	98-3611.1	ADOAN - 2021-11-29 14:25:51 -- BMP in good condition. No visible trash and outfalls are clear.;	11/29/2021	No	Wet Pond	0		Private
Lake Wright Executive Center	98-3611.2	ADOAN - 2021-11-29 14:27:23 -- BMP in good condition. No visible trash and outfalls are clear.;	11/29/2021	No	Wet Pond	0		Private
Lake Wright Executive Center	98-3611.3	ADOAN - 2021-11-29 14:27:12 -- BMP in good condition. No visible trash and outfalls are clear.;	11/29/2021	No	Wet Pond	0		Private
Lake Scott	S8.1	ADOAN - 2021-11-30 07:52:45 -- Wet Pond in good condition. ;	11/29/2021	No	Wet Pond	0		Public
BJ's Wholesale Warehouse	T121.1	ADOAN - 2021-11-30 08:05:28 -- BMP maintained.;	11/29/2021	No	Wet Pond	0		Private
Avis Rent A Car Expansion	T465.1	MWHITE02 - 2021-11-29 08:04:30 -- Please address rills (dugout trenches) in the basin. Please remove accumulated sediment from the outlet and inlet pipes and the surrounding area. Please remove any woody vegetation within the BMP. Please remove any trash and debris from the basin. ;	11/29/2021	Yes	Detention Basin	2	02-22-2022	Private
Condo	T349.1	MWHITE02 - 2021-12-01 15:24:57 -- BMP is well maintained. Water in observation well 15" below surface of stone. ;	12/01/2021	No	Infiltration Practices	0		Private
Duplex	03-0309.1	MWHITE02 - 2021-12-02 15:25:11 -- Ok, practice is dry and not holding water. House appeared to be abandoned. ;	12/02/2021	No	Infiltration Practices	0		Private
Duplex	04-0019.1	MWHITE02 - 2021-12-02 10:33:51 -- BMP is maintained. ;	12/02/2021	No	Infiltration Practices	0		Private
Duplex	04-0019.2	MWHITE02 - 2021-12-02 10:45:03 -- BMP is maintained. ;	12/02/2021	No	Infiltration Practices	0		Private
Duplex - Residental houses	05-0100.1	MWHITE02 - 2021-12-02 14:16:27 -- Downspouts are connected, infiltration area is dry. ;	12/02/2021	No	Infiltration Practices	0		Private
Duplex - Residental houses	05-0100.2	MWHITE02 - 2021-12-02 14:16:59 -- Downspouts are connected, infiltration area is dry. ;	12/02/2021	No	Infiltration Practices	0		Private
Pretty Lake Village	03-0292.1	MWHITE02 - 2021-12-06 10:36:50 -- Underground Infiltration. Mostly dry, minimal standing water in a couple structures. ;	12/06/2021	No	Infiltration Practices	0		Private
Condo	03-0322.1	MWHITE02 - 2021-12-06 11:14:44 -- Please maintain the Stormfilter BMP in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/06/2021	Yes	Manufactured Treatment Device	1	04-08-2022	Private
Condo	03-0322.2	MWHITE02 - 2021-12-06 11:16:20 -- Please maintain the Stormfilter BMP in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/06/2021	Yes	Manufactured Treatment Device	1	04-08-2022	Private
Condo	03-0322.3	MWHITE02 - 2021-12-06 11:16:31 -- Please maintain the Stormfilter BMP in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/06/2021	Yes	Manufactured Treatment Device	1	04-08-2022	Private
Condo	03-0322.4	MWHITE02 - 2021-12-06 11:16:47 -- Please maintain the Stormfilter BMP in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/06/2021	Yes	Manufactured Treatment Device	1	04-08-2022	Private
Condo	03-0322.5	MWHITE02 - 2021-12-06 11:17:38 -- Please maintain the Stormfilter BMP in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/06/2021	Yes	Manufactured Treatment Device	1	04-08-2022	Private
Condo	03-0322.6	MWHITE02 - 2021-12-06 11:44:03 -- Grass channel is well vegetated and functioning. ;	12/06/2021	No	Grass Channel	0		Private
Condo	03-0322.7	MWHITE02 - 2021-12-06 11:42:33 -- Infiltration practice is maintained and dry. ;	12/06/2021	No	Infiltration Practices	0		Private
Condo	03-0322.8	MWHITE02 - 2021-12-06 11:43:42 -- Infiltration practice is dry and maintained. ;	12/06/2021	No	Infiltration Practices	0		Private
Fire Station	T574.1	ADOAN - 2021-12-07 12:06:43 -- BMP is maintained.;	12/06/2021	No	Grass Channel	0		Public
Campostella Elementary	14-0073.1	ADOAN - 2021-12-06 15:12:28 -- The two outfalls need to be cleared of accumulated sediment to create a clear flow of water. Repairs are needed to the eroded area along the eastern edge of the embankment. Remove trash and debris throughout the BMP. ; ADOAN - 2022-04-06 09:09:07 -- Note: When BMP was inspected in December, the water level was low and the erosion was very visible. When the contractor finally went out to complete the work, we had several large rain events and the water table had risen in the BMP. We are waiting for the water table to recede to be able to complete the work. ;	12/06/2021	Yes	Wet Pond	0		School
Berkley Basketball Court	09-0015.1	ADOAN - 2021-12-06 14:53:02 -- BMP maintained. ;	12/06/2021	No	Infiltration Practices	0		Public
Jet Aircraft Ground Run-Up Enclosure	06-0048.1		12/07/2021	No	Infiltration Practices	0		Private
Lumber Liquidators	09-0002.1	MWHITE02 - 2021-12-07 10:30:12 -- BMP has been maintained, records received 9/23/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Lumber Liquidators	09-0002.2	MWHITE02 - 2021-12-07 10:29:37 -- BMP has been maintained, records received 9/23/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Norfolk Airport Garage	09-0020.1		12/07/2021	No	Wet Pond	0		Private

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Metro Machine Parking Addition	09-0057.1	MWHITE02 - 2021-12-07 14:40:52 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.10	MWHITE02 - 2021-12-07 12:29:20 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.2	MWHITE02 - 2021-12-07 14:41:04 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.3	MWHITE02 - 2021-12-07 14:43:00 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.4	MWHITE02 - 2021-12-07 14:43:12 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.5	MWHITE02 - 2021-12-07 14:43:23 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.6	MWHITE02 - 2021-12-07 14:43:35 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.7	MWHITE02 - 2021-12-07 12:27:36 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.8	MWHITE02 - 2021-12-07 12:28:58 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Parking Addition	09-0057.9	MWHITE02 - 2021-12-07 12:29:10 -- BMP has been maintained. Maintenance records received from Steven's Maintenance 12/7/21.;	12/07/2021	No	Manufactured Treatment Device	0		Private
Metro Machine Corporation Parking Lo	13-0065.1	MWHITE02 - 2021-12-07 10:40:03 -- MWS was inspected on 12/6 by Steven's Maintenance. Biofilter needs to be replaced, remaining maintenance will occur once the ordered biofilter arrives. ;	12/07/2021	Yes	Manufactured Treatment Device	1	12-22-2021	Private
Norfolk Botanical Gardens - Visitors R	T103.1	ADOAN - 2021-12-07 14:36:23 -- 2021-12-7: Outfalls has been cleared of overgrown vegetation. No visible trash or debris. Slope vegetation to be cut this winter. ;	12/07/2021	No	Wet Pond	0		Public
Sarah Lee Baker Perennial Garden	T288.1	ADOAN - 2021-12-07 14:21:35 -- 2021-12-7: Met with Doug Miller to inspect the BMPs at the Botanical Gardens. This BMP is private however I inspected again since I was out at the other BMPs. When I was out at the site last year, we could not find the BMP. Doug stated that in the spring they cut back the shrubs and used a probe to see if they could find the dry well. He had no luck. He hired a company with ground penetrating radar and they couldn't find anything. The area does not flood and is well maintained. ;	12/07/2021	No	Infiltration Practices	0		Private
Norfolk Botantical Gardens Production	T466.1	ADOAN - 2021-12-07 14:41:36 -- 2021-12-7. BMP well maintained.;	12/07/2021	No	Grass Channel	0		Public
Landmark Avaiation	T498.1		12/07/2021	No	Extended Detention Basin	0		Private
Airport Long Term Parking	T746.1		12/07/2021	No	Grass Channel	0		Private
Norfolk Botanical Garden- NATO Tow	17-0053.1	ADOAN - 2021-12-07 14:51:14 -- 2021-12-7: Site well maintained.;	12/07/2021	No	Permeable Pavement	0		Public
EA's Daycare	14-0026.1	MWHITE02 - 2021-12-08 13:35:27 -- Permeable pavement appears to be in good condition and does not have heavy sediment accumulation.;	12/08/2021	No	Permeable Pavement	0		Private
Burning Bush Worship Center	T364.1	MWHITE02 - 2021-12-08 13:55:09 -- Please remove accumulated sediment from the inlet flume. ;	12/08/2021	Yes	Infiltration Practices	0		Private
Norfolk Botanical Gardens Admin Bldg	17-0095.1	ADOAN - 2021-12-08 14:07:31 -- 2021-12-8: Permeable pavers are in excellent condition. Note: This site happened to fall off the radar during a personnel transition. The was no Pre-con or construction inspections done. ;	12/08/2021	No	Permeable Pavement 1	0		Public
Norfolk Botanical Gardens Admin Bldg	17-0095.2	ADOAN - 2021-12-08 14:11:59 -- Gravel infiltration trench along parking lot. Doug stated that they had to fix the upper part last year because it was holding water. Lower end had standing water during inspection. Mentioned to Doug to keep an eye on this as it may need top be repaired like the upper part.;	12/08/2021	No	Sheetflow to Conserved Open Space	0		Public
First Pentecostal Church-Building and	T250.1	MWHITE02 - 2021-12-09 09:42:52 -- Infiltration basin is functioning and is not holding water (raining during inspection). ;	12/09/2021	No	Infiltration Practices	0		Private
First Pentecostal Church-Building and	T250.2	MWHITE02 - 2021-12-09 09:43:31 -- Infiltration basin is functioning and is not holding water (raining during inspection). ;	12/09/2021	No	Infiltration Practices	0		Private
First Pentecostal Church-Building and	T250.3	MWHITE02 - 2021-12-09 09:45:01 -- Infiltration basin is functioning and is not holding water (raining during inspection). ;	12/09/2021	No	Infiltration Practices	0		Private
First Pentecostal Church-Building and	T250.4	MWHITE02 - 2021-12-09 09:46:19 -- Infiltration basin is functioning and is not holding water (raining during inspection). ;	12/09/2021	No	Infiltration Practices	0		Private
Colonnas Shipyard Super Building Ph	04-0002.1	MWHITE02 - 2021-12-10 12:06:48 -- Underground infiltration trench tied into 12-0034, impacted by adjacent construction, to be cleaned up and vactored out now and at completion of construction. ;	12/10/2021	No	Infiltration Practices	0		Private
Bay Disposal	07-0027.1	MWHITE02 - 2021-12-10 13:07:33 -- Pond is very low. Otherwise well maintained. ;	12/10/2021	No	Wet Pond	0		Private
First Baptist Church of Berkley Expan	09-0027.1	MWHITE02 - 2021-12-10 09:47:12 -- BMP is well maintained, continue monitoring for erosion.;	12/10/2021	No	Bioretention	0		Private
First Baptist Church of Berkley Expan	09-0027.2	MWHITE02 - 2021-12-10 09:35:22 -- BMP is well maintained. ;	12/10/2021	No	Bioretention	0		Private
Colonna's Shipyard Super Building Ph	12-0034.1	MWHITE02 - 2021-12-10 12:43:52 -- Underground infiltration trench (see 04-0002 as well), impacted by adjacent construction, to be cleaned up and vactored out now and at completion of construction. Normally maintained on an annual basis.
12/10/2021	No	Infiltration Practices	0		Private
Winn Nursery	T330.1	MWHITE02 - 2021-12-10 09:12:50 -- Please remove leaves and debris blocking the catch basin. Please remove accumulated sediment from the inlet pipes and regrade the basin to the original specifications to allow water to flow into the practice. ;	12/10/2021	Yes	Detention Basin	1	02-10-2022	Private
Colonna's Shipyard New Spotico Cree	15-0062.1	MWHITE02 - 2021-12-10 13:19:49 -- Vortech is cleaned out annually per Chris Williamson. ;	12/10/2021	No	Manufactured Treatment Device	0		Private
Colonna's Shipyard New Spotico Cree	15-0062.2	MWHITE02 - 2021-12-10 13:51:03 -- Channel is in good condition. Debris washes in during high tide. They will be collecting the trash and debris more regularly. ;	12/10/2021	No	Dry Swale 1	0		Private
Terminal and Councourse Improveme	12-0031.1		12/13/2021	No	Wet Pond	0		Private
Tubbs Auto Parts	03-0081.1	MWHITE02 - 2021-12-15 15:19:38 -- Please maintain the Oil Water Separator in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/15/2021	Yes	Manufactured Treatment Device	1	02-10-2022	Private
Berkley Center	05-0025.1	MWHITE02 - 2021-12-16 08:25:46 -- Please remove accumulated trash and debris from the retention pond. Please remove invasive cat tails and the vegetation blocking the inlets. Please monitor and address any areas of erosion along the banks. Please address the cave in front of the connected catch basin, it is a safety issue. ;	12/16/2021	Yes	Wet Pond	1	02-16-2022	Private
Marine Hydraulics Incorporated	06-0135.1	MWHITE02 - 2021-12-16 15:21:38 -- Please cut back vegetation around the inlet and in the detention basin. Please remove any trash and debris. ;	12/16/2021	Yes	Extended Detention Basin	1	02-15-2022	Private
Marine Hydraulics Incorporated	06-0135.2	MWHITE02 - 2021-12-16 15:23:31 -- Please maintain the Vortechnics Unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/16/2021	Yes	Manufactured Treatment Device	1	02-15-2022	Private
Jerusalem Apostolic Christian Church	11-0042.1	MWHITE02 - 2021-12-20 09:57:22 -- Please maintain the Stormfilter BMP in accordance with the manufacturer's specifications and provide a copy of the maintenance records.;	12/20/2021	Yes	Manufactured Treatment Device	0		Private
USAA Parking Garage	13-0017.1	MWHITE02 - 2021-12-21 14:46:11 -- Maintenance records received 10/1 from Steven's Maintenance. ;	12/21/2021	No	Manufactured Treatment Device	0		Private

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USAA Parking Garage	13-0017.2	MWHITE02 - 2021-12-21 14:59:49 -- Maintenance records received 10/1 from Steven's Maintenance. ;	12/21/2021	No	Manufactured Treatment Device	0		Private
USAA Parking Garage	13-0017.3	MWHITE02 - 2021-12-21 15:28:58 -- Maintenance records received 10/1 from Steven's Maintenance. ;	12/21/2021	No	Manufactured Treatment Device	0		Private
USAA Parking Garage	13-0017.4	MWHITE02 - 2021-12-21 15:27:28 -- Maintenance records received 10/1 from Steven's Maintenance. ;	12/21/2021	No	Manufactured Treatment Device	0		Private
USAA Parking Garage	13-0017.5	MWHITE02 - 2021-12-21 15:25:26 -- Maintenance records received 10/1 from Steven's Maintenance. ;	12/21/2021	No	Manufactured Treatment Device	0		Private
Taco Bell	14-0086.1	MWHITE02 - 2021-12-22 09:14:25 -- Please remove trash, debris, and accumulated sediment from the drainage swale within the southeast corner of the property. ;	12/22/2021	Yes	Rooftop or Impervious Surface Discon	2	04-04-2022	Private
Langley Federal Credit Union	T455.1	MWHITE02 - 2021-12-22 10:28:43 -- BMP was removed and re-installed and is now under a maintenance agreement. ;	12/22/2021	No	Infiltration Practices	0		Private
Chartway Federal Credit Union	16-0035.1	MWHITE02 - 2021-12-22 07:56:35 -- Please maintain the Stormtech Underground Infiltration System per the manufacturer's specifications and provide a copy of the maintenance records. Please replace the cap on the observation port. ;	12/22/2021	Yes	Infiltration 1	1	03-16-2022	Private
Chartway Federal Credit Union	16-0035.2	MWHITE02 - 2021-12-22 07:24:01 -- Please maintain the Stormtech Underground Infiltration System per the manufacturer's specifications and provide a copy of the maintenance records. There is a large amount of accumulated sediment and you need to increase your maintenance schedule for this system. ;	12/22/2021	Yes	Infiltration 2	1	03-16-2022	Private
Fuel Express at Farm Fresh	02-0001.1	MWHITE02 - 2021-12-27 13:52:52 -- Ok, minor amount of accumulated sediment in the curb-cut inlets. ;	12/27/2021	No	Bioretention	0		Private
Walmart @ Military Hwy	02-0174.1	MWHITE02 - 2021-12-27 15:06:45 -- Maintenance records received from Apex 12/27/21. ;	12/27/2021	No	Manufactured Treatment Device	0		Private
Walmart @ Military Hwy	02-0174.2	MWHITE02 - 2021-12-27 15:07:22 -- Maintenance records received from Apex 12/27/21. ;	12/27/2021	No	Manufactured Treatment Device	0		Private
VA Dermatology and Skin Cancer Cer	14-0029.1	MWHITE02 - 2021-12-27 14:09:14 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. Please clear the leaf debris from the inlet. ;	12/27/2021	Yes	Manufactured Treatment Device	3	04-05-2022	Private
Azalea Super Service	92067.087.1	MWHITE02 - 2021-12-28 10:32:13 -- Please clear fine sediment out of the stone infiltration areas and from the curb cut. Please keep people from parking on the infiltration area along the driveway entrance. ;	12/28/2021	Yes	Infiltration Practices	2	04-12-2022	Private
1050 N Military HWY-Aldi	18-0092.1	MWHITE02 - 2021-12-28 11:04:45 -- Please maintain the underground detention system in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/28/2021	Yes	Manufactured Treatment Device	1	03-07-2022	Private
Mixed Use Building	12-0082.1	MWHITE02 - 2021-12-29 10:13:18 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/29/2021	Yes	Manufactured Treatment Device	1	03-09-2022	Private
JANAF Wawa	16-0010.1	MWHITE02 - 2021-12-29 08:20:48 -- Please maintain the Contech Jellyfish in accordance with the manufacturer's specifications and provide a copy of the maintenance records.;	12/29/2021	Yes	Manufactured Treatment Device	1	01-04-2022	Private
JANAF Wawa	16-0010.2	MWHITE02 - 2021-12-29 08:25:43 -- Please maintain the underground detention system in accordance with the manufacturer's specifications and provide a copy of the maintenance records.;	12/29/2021	Yes	Manufactured Treatment Device	1	01-04-2022	Private
JANAF Wawa	16-0010.3	MWHITE02 - 2021-12-29 08:29:23 -- Please maintain the Oil Water Separator in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	12/29/2021	Yes	Manufactured Treatment Device	1	01-04-2022	Private
Jack's Towing	01-0010.1	MWHITE02 - 2022-01-04 12:55:10 -- Swale between cars and fence line is maintained. ;	01/04/2022	No	Grass Channel	0		Private
Gosnold Drainage Improvements	15-0047.1	ADOAN - 2022-03-28 13:33:38 -- Final Construction inspection and initial site inspection. BMP free of trash and debris.;	01/05/2022	No	Manufactured Treatment Device	0		Public
Iron Mountain Management Inc.	01-0003.1	MWHITE02 - 2022-01-07 07:21:08 -- Please maintain vegetation and remove cardboard from the outlet structure. ;	01/06/2022	Yes	Detention Basin	0		Private
Colonial Chevrolet	04-0018.1	MWHITE02 - 2022-01-07 11:00:30 -- Please maintain the Baysaver unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	01/07/2022	No	Manufactured Treatment Device	3	05-09-2022	Private
Agent Wall Systems	04-0031.1	MWHITE02 - 2022-01-07 10:41:50 -- Infiltration practice is functioning, rain event 24 hours earlier.;	01/07/2022	No	Infiltration Practices	0		Private
Fairlawn Elementary School Parking L	01-0114.1	ADOAN - 2022-01-11 08:44:08 -- 2022-01-10: Remove accumulated sediment at the double curb inlet. This area is holding water. Clear gutter and double inlet from leaf debris. Remove rocks, remove accumulated sediment to concrete flume, replace rocks. Remove accumulated sediment at the outfall. Again, remove rock, remove sediment, replace rocks. See attached drawings. ;	01/10/2022	Yes	Grass Channel	1	01-25-2022	School
Towing Operations Center	13-0061.1	ADOAN - 2022-01-11 08:25:05 -- 2022-01-10: PM requested for the month of January along with the June PM. Maintain overgrown woody vegetation and clear vegetation around the three basins in bio retention and also clear vegetation around the outfall.;	01/10/2022	Yes	Bioretention	0		Public
AllSafe Self Storage	03-101.1	MWHITE02 - 2022-01-11 08:37:22 -- Please clear accumulated sediment from in front of the inlet pipes. Please clear accumulated debris from the top of the outlet control structures. Please pick up any litter. Please refresh rip rap. ;	01/11/2022	Yes	Extended Detention Basin	2	04-20-2022	Private
AllSafe Self Storage	03-101.2	MWHITE02 - 2022-01-11 08:17:03 -- Please clear accumulated sediment from in front of the inlet pipe. Please refresh and restore the rip rap inlet and clear accumulated sediment from the curb cut and rocks. ;	01/11/2022	Yes	Extended Detention Basin	1	03-17-2022	Private
Vanguard Warehouse	03-0028.1	MWHITE02 - 2022-01-12 15:14:16 -- Detention basin is well-maintained, holding some water after heavy rains recently (within 72 hrs). ;	01/12/2022	No	Detention Basin	0		Private
RSG Roofing Supply	03-0033.1	MWHITE02 - 2022-01-13 07:32:22 -- Please remove any materials, trash, and debris from the banks of the detention basin. ;	01/12/2022	Yes	Extended Detention Basin	2	04-20-2022	Private
LAKE TAYLOR	17-0004.1	ADOAN - 2022-01-14 10:49:18 -- 2022-01-12: No visible trash. Fountain working. The weir at far end of the lake needs repair.;	01/12/2022	No	Wet Pond 2	0		Public
Office Warehouse Complex	02-0170.1	MWHITE02 - 2022-01-13 15:13:32 -- BMPs are functioning.;	01/13/2022	No	Bioretention	0		Private
Wash Land	02-0305.1	MWHITE02 - 2022-01-13 08:00:14 -- Please remove any trash and debris from the basin. Please remove accumulated sediment from the curb cut inlet and parking lot. ;	01/13/2022	Yes	Extended Detention Basin	1	03-16-2022	Private
Arby's Restaurant	03-0041.1	MWHITE02 - 2022-01-13 14:46:22 -- Bioretention basin is in good condition, monitor for sediment accumulation in the inlet pipe. ;	01/13/2022	No	Bioretention	0		Private
Riverside Corporate Center Parcel	03-160.1	MWHITE02 - 2022-01-13 15:25:31 -- BMP is in good condition, monitor for cattails near the inlet pipe. ;	01/13/2022	No	Wet Pond	0		Private
Green Gifford / Wells Fargo Bank con	03-0015.1	MWHITE02 - 2022-01-14 09:11:22 -- Please remove sediment accumulation and vegetation from blocking the inlet and outlet. Please maintain vegetation and remove woody vegetation from the banks of the basin. Please remove trash and debris from the basin. ;	01/14/2022	Yes	Wet Pond	3	05-24-2022	Private
Pepsi Bottling Group	03-0087.1	MWHITE02 - 2022-01-19 14:53:40 -- BMP is functioning, fairly naturalized. Outlet structure is clear. ;	01/19/2022	No	Wet Pond	0		Private
Waterford at Lake Taylor	03-0313.1	MWHITE02 - 2022-01-19 15:12:54 -- Continue to monitor cattails in the basin. Swale and spillway are clear.;	01/19/2022	No	Detention Basin	0		Private
Heritage Bank & Trust	T457.2	MWHITE02 - 2022-01-19 07:51:20 -- Work has been completed. Watch for future infill. ;	01/19/2022	No	Infiltration Practices	0		Private
VB Blvd Improvements at Newtown R	18-0010.2	ADOAN - 2022-03-02 07:27:41 -- 2022-01-19: Final construction inspection and initial BMP inspection.;	01/19/2022	No	Manufactured Treatment Device	0		Public
VB Blvd Improvements at Newtown R	18-0010.1	ADOAN - 2022-03-02 07:20:15 -- 2022-01-19: Final construction inspection and initial BMP inspection.;	01/19/2022	No	Manufactured Treatment Device	0		Public
Quarles Petroleum, Inc.	01-0009.1	MWHITE02 - 2022-01-20 09:24:10 -- Please remove trash and debris from within and around the extended detention basin. Please maintain vegetation in and around the basin. ;	01/20/2022	Yes	Extended Detention Basin	3	04-26-2022	Private

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Quarles Petroleum, Inc.	01-0009.2	MWHITE02 - 2022-01-20 07:32:40 -- Please maintain the oil-water separator according to the manufacturer's specifications and provide a copy of the maintenance records. ;	01/20/2022	Yes	Manufactured Treatment Device	3	04-26-2022	Private
Spring Hill Suites Marriott	01-0188.1	MWHITE02 - 2022-01-20 13:35:44 -- Please remove all trash and debris from the extended detention basin. Please maintain vegetation in the basin, the inlet and outlet are both obstructed. ;	01/20/2022	Yes	Extended Detention Basin	4	06-23-2022	Private
New Life Worship Center	04-0058.1	MWHITE02 - 2022-01-20 14:54:29 -- BMP is holding water, but this is typical from previous inspections. BMP appears to be well maintained.;	01/20/2022	No	Infiltration Practices	0		Private
New Life Worship Center	04-0058.2	MWHITE02 - 2022-01-20 14:51:54 -- Please maintain the vegetation in and around the basin. ;	01/20/2022	Yes	Infiltration Practices	1	04-04-2022	Private
New Life Worship Center	04-0058.3	MWHITE02 - 2022-01-20 14:45:29 -- Swale is present and in good condition. ;	01/20/2022	No	Grass Channel	0		Private
American Tire Distributors	07-0039.1	MWHITE02 - 2022-01-25 13:37:26 -- Please remove cattails from the basin. Please address the erosion under the roof downspouts. ;	01/25/2022	Yes	Wet Pond	1	04-01-2022	Private
Autobell Carwash	11-0019.1	MWHITE02 - 2022-01-25 14:25:38 -- Per the design of the porous asphalt BMP, vacuum sweeping should be performed 1-2 times per year. Please provide verification that this maintenance task is being performed. ;	01/25/2022	Yes	Permeable Pavement	1	02-03-2022	Private
Autobell Carwash	11-0019.2	MWHITE02 - 2022-01-25 14:40:11 -- Please maintain the hydrodynamic separator in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	01/25/2022	Yes	Manufactured Treatment Device	1	02-01-2022	Private
The Kempsville Center	00-4341.1	MWHITE02 - 2022-01-26 14:39:50 -- BMP is under the deck.;	01/26/2022	No	Detention Basin	0		Private
Wawa at Newtown	18-0008.2	MWHITE02 - 2022-01-26 14:21:42 -- Please maintain the Stormceptor in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	01/26/2022	Yes	Manufactured Treatment Device	1	04-05-2022	Private
Wawa at Newtown	18-0008.1	MWHITE02 - 2022-01-26 14:14:30 -- Please maintain the underground detention system in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	01/26/2022	Yes	Manufactured Treatment Device	1	04-05-2022	Private
Kempsville Behavioral Health Addition	18-0049.2	MWHITE02 - 2022-01-26 14:52:08 -- BMP is in good condition. ;	01/26/2022	No	Detention Basin	0		Private
Kempsville Behavioral Health Addition	18-0049.1	MWHITE02 - 2022-01-26 14:46:29 -- Bioretention is in good condition. A couple of small sinkholes that they plan to address in the spring. ;	01/26/2022	No	Bioretention 2	0		Private
Windstream	99-4087.1	MWHITE02 - 2022-01-28 15:05:14 -- Please remove trash and debris from within the basin, pipe, structure, and surrounding area. Please remove accumulated sediment from the curb cut inlet. Please address erosion by the outlet pipe. ;	01/28/2022	Yes	Detention Basin	1	02-14-2022	Private
Bradco Supply Corporation Parking Lo	04-0127.1	MWHITE02 - 2022-01-31 14:37:52 -- Inspected after 2 snow events. Watch the water level in next inspection, seems maintained otherwise. ;	01/31/2022	No	Extended Detention Basin	0		Private
Medical Office Building	06-0042.1	MWHITE02 - 2022-01-31 15:13:23 -- Please address the erosion opposite the inlet pipe. Please remove any trash and debris from the basin and surrounding area. ;	01/31/2022	Yes	Extended Detention Basin	1	02-22-2022	Private
Walgreens	05-0085.1	MWHITE02 - 2022-02-01 09:35:14 -- Please remove all trash and debris from in and around the basin. Please remove overgrowth of cat tails in the basin. Please remove accumulated vegetation and sediment from blocking inlet. ;	02/01/2022	Yes	Detention Basin	0		Private
Faith Wesleyan Church	99-4033.1	MWHITE02 - 2022-02-01 15:02:15 -- BMP is well maintained. ;	02/01/2022	No	Detention Basin	0		Private
Heco Slings Corporation Building Add	HECO.1	MWHITE02 - 2022-02-01 14:41:06 -- BMP is well maintained. ;	02/01/2022	No	Detention Basin	0		Private
Magnolia Cove Regional BMP	MAGBMP.1	MWHITE02 - 2022-02-01 15:18:04 -- BMP is well maintained.;	02/01/2022	No	Detention Basin	0		Private
Atlas Masters Company	06-0078.1	MWHITE02 - 2022-02-02 10:34:28 -- BMP is well maintained. Owner is cleaning up a few pieces of debris blown into the basin by the weekend storm. ;	02/02/2022	No	Detention Basin	0		Private
BJ's Gas Station	15-0018.1	MWHITE02 - 2022-02-02 07:34:21 -- Please address erosion at the curb cut inlets. Please remove trash and debris. ;	02/02/2022	Yes	Bioretention 1	0		Private
BJ's Gas Station	15-0018.2	MWHITE02 - 2022-02-02 07:52:36 -- Please maintain the Oil-Water Separator in accordance with the manufacturer's specifications and provide a copy of the maintenance records.;	02/02/2022	Yes	Manufactured Treatment Device	2	05-06-2022	Private
Ingleside Elementary School Gymnas	11-0034.1	ADOAN - 2022-02-08 08:27:15 -- 2022-02-04: BMP in good condition. Has been maintained. ;	02/04/2022	No	Detention Basin	0		School
Elm Court Development	T153.1	ADOAN - 2022-02-08 07:52:52 -- 2022-02-04: BMP has been maintained. No standing water. ;	02/04/2022	No	Detention Basin	0		Private
Virginia Paving Co.	99-4218.2	ADOAN - 2022-02-08 08:05:43 -- 2022-02-04: BMP has been maintained. Woody vegetation has been managed. Outfall clear.;	02/04/2022	No	Detention Basin	0		Public
Elm Court Development	T153.2	ADOAN - 2022-02-08 07:42:52 -- 2022-02-07: BMP holding water. WO requesting flush.;	02/04/2022	Yes	Infiltration Practices	1	04-04-2022	Public
Calvary Revival Church Addition	05-0146.1	MWHITE02 - 2022-02-07 14:33:33 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. The tree needs to be replaced. Please remove accumulated sediment and debris from the structure and inlet (including the curbline around the BMP). ;	02/07/2022	Yes	Manufactured Treatment Device	3	06-22-2022	Private
Calvary Revival Church Addition	05-0146.2	MWHITE02 - 2022-02-07 14:36:35 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. The tree needs to be replaced. Please remove accumulated sediment and debris from the structure and inlet (including the curbline around the BMP).;	02/07/2022	Yes	Manufactured Treatment Device	3	06-22-2022	Private
Calvary Revival Church Addition	05-0146.3	MWHITE02 - 2022-02-07 14:36:49 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. The tree needs to be replaced. Please remove accumulated sediment and debris from the structure and inlet (including the curbline around the BMP).;	02/07/2022	Yes	Manufactured Treatment Device	3	06-22-2022	Private
Calvary Revival Church Addition	05-0146.4	MWHITE02 - 2022-02-07 15:05:19 -- Please clear overgrown vegetation from the retention basin. Please remove rip-rap stones from within the inlet pipe and place them in front of the pipe. Please remove all trash and debris from the basin and make sure it is kept secured. ;	02/07/2022	Yes	Wet Pond	3	06-22-2022	Private
Calvary Revival Church Addition	05-0146.5	MWHITE02 - 2022-02-07 15:20:43 -- Please clear accumulated sediment, debris, and yard waste from the parking lot, curb-line, and curb-cut inlets. Please clean out drop inlet structures to the infiltration trench. ;	02/07/2022	Yes	Infiltration Practices	3	06-22-2022	Private
Janaf Shopping Center	05-0181.1	MWHITE02 - 2022-02-07 13:22:24 -- Infiltration practice in front of Panera, underground infiltration trench was free of debris and dry. ;	02/07/2022	No	Infiltration Practices	0		Private
Janaf Shopping Center	05-0181.2	MWHITE02 - 2022-02-07 13:34:55 -- Per previous inspection reports, this is not a Stormceptor but a manhole structure with stone-filled opening in the bottom. It is an infiltration BMP as shown on As-Built drawing. ;	02/07/2022	No	Infiltration Practices	0		Private
Norfolk Public Schools Transportation	T107.1	ADOAN - 2022-02-09 08:21:34 -- 2022-02-07: Detention basin needs maintenance. Cutback the two trees that are growing over the driveway where the buses access; remove trash and debris from basin, check dams, and ditch; cutback overgrown woody vegetation in the basin (remove cuttings from BMP), remove debris from on top of outfall. Recommend that this site be put on a routine maintenance schedule. ;	02/07/2022	Yes	Detention Basin	1	04-04-2022	School
Police Training Center Track	06-0071.1	ADOAN - 2022-02-08 14:42:51 -- 2022-02-07: Grass swale maintained. Yard basins throughout swale are free of sediment and debris. Some leaf litter present.;	02/07/2022	No	Grass Channel	0		Public
Police Training Center Track	06-0071.2	ADOAN - 2022-02-08 14:48:16 -- 2022-02-07: BMP needs maintenance. Cutback woody vegetation (do not leave cuttings in BMP), remove accumulated sediment and debris at inlet, refresh rocks at inlet, establish a clear flow line from inlet. ;	02/07/2022	Yes	Extended Detention Basin	0		Public

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Norfolk Police Department Firearms R	07-0009.1	ADOAN - 2022-02-09 08:00:24 -- 2022-02-07: BMP maintained.;	02/07/2022	No	Infiltration Practices	0		Public
Davita Dialysis Center	T122.1	MWHITE02 - 2022-02-07 13:01:25 -- Gravel infiltration trench is in good condition. It is not holding water and is kept maintained, there is very minimal sediment accumulation at the inlets, monitor for future inspections. ;	02/07/2022	No	Infiltration Practices	0		Private
Warehouse	T146.1	MWHITE02 - 2022-02-07 12:44:00 -- Swales on the back side of the storage unit buildings, in good condition, minor amount of trash present on-site. ;	02/07/2022	No	Grass Channel	0		Private
Lowery Road Pedestrian Improvement	15-0028.1	ADOAN - 2022-02-09 08:10:22 -- 2022-02-07: BMP in good condition. No trash or debris present. PM scheduled for 4/22.;	02/07/2022	No	Manufactured Treatment Device	0		Public
Lowery Road Pedestrian Improvement	15-0028.2	ADOAN - 2022-02-09 08:12:23 -- 2022-02-07: BMP in good condition. No trash or debris noted. PM scheduled for 4/22. ;	02/07/2022	No	Manufactured Treatment Device	0		Public
Norfolk Premium Outlets	15-0045.4	ADOAN - 2022-02-08 15:22:10 -- 2022-02-07: BMP needs maintenance. Cutback overgrown woody vegetation. Clear debris and sediment from outfall/inlets. Retention area behind locked gate.;	02/07/2022	Yes	Bioretention 2	1	05-05-2022	Public
Premium Outlets Boulevard	15-0043.1	ADOAN - 2022-02-09 09:14:16 -- 2022-02-07: BMP are in good condition. No trash or excess debris noted. PM scheduled for 6/2022.; ADOAN - 2022-06-07 13:23:11 -- 2022-06-07: Pm was completed in May 2022.;	02/07/2022	No	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.2	ADOAN - 2022-02-09 09:30:19 -- 2022-02-07: BMP are in good condition. No trash or excess debris noted. PM scheduled for 4/2022.; ADOAN - 2022-06-07 13:23:38 -- 2022-06-07: PM was completed in May 2022.;	02/07/2022	No	Manufactured Treatment Device	0		Public
Penske Trucking	07-0054.1	MWHITE02 - 2022-02-09 10:06:43 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. Please clear accumulated leaf litter, debris, and sediment from within the structure, the inlet, and the curbline. ;	02/09/2022	Yes	Manufactured Treatment Device	3	06-14-2022	Private
Penske Trucking	07-0054.2	MWHITE02 - 2022-02-09 10:08:58 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. Please clear accumulated leaf litter, debris, and sediment from within the structure, the inlet, and the curbline.
;	02/09/2022	Yes	Manufactured Treatment Device	3	06-14-2022	Private
Bobbit Mid-Rise Site Improvements	12-0029.1	MWHITE02 - 2022-02-09 11:07:47 -- Pervious pavement is in good condition, no evident sediment accumulation. ;	02/09/2022	Yes	Permeable Pavement	0		Private
Silver Lake-Duck Pond	S14.1	ADOAN - 2022-02-10 12:27:04 -- Remove accumulated trash and debris from concrete culvert (on Silver Lake side) and create a clear flow for water. Remove debris from rock at outfall to Duck Pond. Collect trash from the surrounding area. ;	02/09/2022	Yes	Wet Pond	1	04-04-2022	Public
Meadow Lake	S15.1	ADOAN - 2022-02-10 12:15:17 -- Remove trash, clean out curb cuts/pipe. WO requested.;	02/09/2022	Yes	Wet Pond	1	04-04-2022	Public
Lake Scott	S8.1	ADOAN - 2022-02-10 12:36:31 -- BMP in good condition.;	02/09/2022	No	Wet Pond	0		Public
Burning Bush Worship Center	T364.1	MWHITE02 - 2022-02-09 09:37:25 -- Inlet flume has been cleared of sediment and vegetation. ;	02/09/2022	No	Infiltration Practices	0		Private
Eaton Office Park Phase III	07-0123.1	MWHITE02 - 2022-02-10 08:42:14 -- Please remove overgrown vegetation and debris from the detention basin. Please remove accumulated sediment and debris from in and around the inlet pipes. ;	02/10/2022	Yes	Detention Basin	1	03-01-2022	Private
Pump Station 10 Service Area-Maryla	17-0008.1	ADOAN - 2022-02-14 07:48:39 -- 2022-02-11: Initial inspection after construction and repair of BMP from vehicle damage. Site fully stabilized and in good condition. ;	02/11/2022	No	Grass Channel	0		Public
Fox Hall Place	09-0071.1	MWHITE02 - 2022-02-15 12:52:20 -- Pervious pavement and swale in good condition.;	02/15/2022	No	Permeable Pavement	0		Private
Sentara Leigh Nursing Tower Replace	11.0077.8	MWHITE02 - 2022-02-17 08:36:53 -- Please remove accumulated sediment from the inlets. Please remove all trash and debris from the basin. Please uncover the outlet and clean it out. Please address the hole in the basin. ;	02/17/2022	Yes	Bioretention	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11.0077.9	MWHITE02 - 2022-02-17 08:52:28 -- Please remove accumulated sediment from the inlets. Please remove all sediment and debris from on top of the drop inlet. ;	02/17/2022	Yes	Bioretention	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.1	MWHITE02 - 2022-02-17 10:12:26 -- Please remove accumulated sediment within and immediately in front of the flared-end RCP inlet. ;	02/17/2022	Yes	Extended Detention Basin	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.10	MWHITE02 - 2022-02-17 09:12:31 -- Please remove accumulated sediment from the inlets and accumulated sediment and debris from on top of the drop inlet. ;	02/17/2022	Yes	Bioretention	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.11	MWHITE02 - 2022-02-17 09:19:47 -- Please maintain the underground detention basin in accordance with the manufacturer's specifications. Please provide copies of the inspection and maintenance records. ;	02/17/2022	Yes	Manufactured Treatment Device	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.12	MWHITE02 - 2022-02-17 09:35:02 -- Please maintain the underground detention basin in accordance with the manufacturer's specifications. Please provide copies of the inspection and maintenance records.;	02/17/2022	Yes	Manufactured Treatment Device	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.13	MWHITE02 - 2022-02-17 09:37:43 -- Please maintain the underground detention basin in accordance with the manufacturer's specifications. Please provide copies of the inspection and maintenance records.;	02/17/2022	Yes	Manufactured Treatment Device	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.2	MWHITE02 - 2022-02-17 09:55:26 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	02/17/2022	Yes	Manufactured Treatment Device	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.3	MWHITE02 - 2022-02-17 10:01:54 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	02/17/2022	Yes	Manufactured Treatment Device	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.5	MWHITE02 - 2022-02-17 09:48:35 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	02/17/2022	Yes	Manufactured Treatment Device	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.6	MWHITE02 - 2022-02-17 07:51:21 -- Please remove accumulated sediment from the curb cut inlets. Please remove debris and sediment from on top of the drop inlet. ;	02/17/2022	Yes	Bioretention	1	03-15-2022	Private
Sentara Leigh Nursing Tower Replace	11-0077.7	MWHITE02 - 2022-02-17 08:16:34 -- Please remove accumulated sediment from the curb cut inlets and the stone below them. Please address the hole (marked by the cone) in the ground. Please replace the missing tree. ;	02/17/2022	Yes	Bioretention	1	03-15-2022	Private
Woodlawn Mausoleum	21-0030.1	ADOAN - 2022-03-01 09:14:49 -- 2022-02-24: Initial inspection after installation. BMP in excellent condition. ;	02/24/2022	No	Credit Purchase	0		Private
Shorewood Shores Phase II	06-0044.1	ADOAN - 2022-03-09 13:23:04 -- 2022-02-28: BMP in good condition PM scheduled for 4/2022.;	02/28/2022	No	Manufactured Treatment Device	0		Public
Shorewood Shores Phase II	06-0044.2	ADOAN - 2022-03-09 13:25:33 -- 2022-02-28: BMP in good condition PM scheduled for 4/2022.;	02/28/2022	No	Manufactured Treatment Device	0		Public
Shorewood Shores Phase II	06-0044.3	ADOAN - 2022-03-09 13:27:09 -- 2022-02-28: BMP in good condition PM scheduled for 4/2022.;	02/28/2022	No	Manufactured Treatment Device	0		Public
Shorewood Shores Phase II	06-0044.4	ADOAN - 2022-03-09 13:28:43 -- 2022-02-28: BMP in good condition PM scheduled for 4/2022.;	02/28/2022	No	Manufactured Treatment Device	0		Public
Shorewood Shores Phase II	06-0044.5	ADOAN - 2022-03-09 13:30:06 -- 2022-02-28: BMP in good condition PM scheduled for 4/2022.;	02/28/2022	No	Manufactured Treatment Device	0		Public
Shorewood Shores Phase II	06-0044.6	ADOAN - 2022-03-09 13:31:23 -- 2022-02-28: BMP in good condition PM scheduled for 4/2022.;	02/28/2022	No	Manufactured Treatment Device	0		Public
Street Improvements - Ernies Way	06-0107.1	ADOAN - 2022-03-09 13:47:17 -- 2022-02-28: Remove accumulated sediment at curb cuts.;	02/28/2022	Yes	Bioretention Basins	1	04-04-2022	Public
Street Improvements - Ernies Way	06-0107.2	ADOAN - 2022-03-09 13:51:23 -- 2022-02-28: Remove accumulated sediment from the curb and gutter. Remove accumulated sediment at the curb cut to swale. Remove accumulated sediment on swale and create a flow line. Remove accumulated sediment in the parking area leading to the swale. Create a flow line to swale.;	02/28/2022	Yes	Grass Channel	1	04-04-2022	Public
Moores Bridges WTP Chemical Feed	17-0090.2	ADOAN - 2022-03-09 10:54:50 -- 2022-02-28: BMP has been maintained. ;	02/28/2022	No	Detention Basin	0		Public

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Moores Bridges WTP Chemical Feed	17-0090.1	ADOAN - 2022-03-09 10:57:27 -- 2022-02-28: BMP flushed and vactored 4/2021. Area next to BMP is under construction and construction material are sitting on top. ;	02/28/2022	No	Manufactured Treatment Device	0		Public
Lake Taylor HS Storm Drain and Road	18-0022.1	ADOAN - 2022-03-09 11:06:34 -- 2022-02-28: BMP in good condition.;	02/28/2022	No	Manufactured Treatment Device	0		School
Lake Taylor HS Storm Drain and Road	18-0022.2	ADOAN - 2022-03-09 11:08:37 -- 2022-02-28: BMP in good condition.;	02/28/2022	No	Manufactured Treatment Device	0		School
847-925 Ingleside Road Stormwater R	18-0101.4	ADOAN - 2022-03-09 10:30:20 -- 2022-02-28: BMP has been maintained by the city. Excellent condition.;	02/28/2022	No	Other Retrofit- Runoff Reduction	0		Public
847-925 Ingleside Road Stormwater R	18-0101.2	ADOAN - 2022-03-09 10:25:48 -- 2022-02-28: BMP has been maintained by the city. Excellent condition.;	02/28/2022	No	Other Retrofit- Runoff Reduction	0		Public
847-925 Ingleside Road Stormwater R	18-0101.3	ADOAN - 2022-03-09 10:28:48 -- 2022-02-28: BMP has been maintained by the city. Excellent condition.;	02/28/2022	No	Vegetated Filter Strip	0		Public
Shorewood Shores-Phase 1	05-0082.5	ADOAN - 2022-03-09 11:49:14 -- 2022-02-28: BMP in good condition. PM scheduled for 4/2022.;	02/28/2022	No	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.4	ADOAN - 2022-03-18 15:24:13 -- 2022-02-28: BMP in good condition. PM scheduled for 4/2022.;	02/28/2022	Yes	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.3	ADOAN - 2022-03-18 15:22:27 -- 2022-02-28: BMP in good condition. PM scheduled for 4/2022.;	02/28/2022	Yes	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.2	ADOAN - 2022-03-18 15:19:21 -- 2022-02-28: BMP in good condition. PM scheduled for 4/2022.;	02/28/2022	Yes	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.1	ADOAN - 2022-03-09 11:44:06 -- 2022-02-28: BMP in good condition. PM scheduled for 4/2022.;	02/28/2022	No	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.6	ADOAN - 2022-03-18 15:27:14 -- 2022-02-28: BMP in good condition. PM scheduled for 4/2022.;	02/28/2022	Yes	Manufactured Treatment Device	0		Public
Cox Communications	T747.1	MWHITE02 - 2022-03-01 14:57:02 -- There is standing water and about 2-3 inches of sediment in the drop inlet structure. Please clean/vactor out the drop inlet structure and infiltration pipe. ;	03/01/2022	Yes	Infiltration Practices	0		Private
Signature Printing	T317.1	MWHITE02 - 2022-03-02 08:32:06 -- Please clean out drop inlet and pipe. Drop inlet is full of pine straw, sediment, and debris. ;	03/02/2022	Yes	Infiltration Practices	1	03-22-2022	Private
Signature Printing	T317.2	MWHITE02 - 2022-03-02 08:20:08 -- Swale is ok, still present.;	03/02/2022	No	Grass Channel	0		Private
East Coast Brake Rebuilders	T447.1	MWHITE02 - 2022-03-02 14:14:29 -- BMP is in good condition. Holding some water, as it has historically. Continue to monitor the area close to the road. ;	03/02/2022	No	Detention Basin	0		Private
Excel Paving Corporation	T770.1	MWHITE02 - 2022-03-07 09:16:16 -- Please remove materials, trash, and debris from within the basin. Please clear debris and vegetation from on top of and blocking the outlet structure. Please maintain any overgrown vegetation within the basin. ;	03/02/2022	Yes	Detention Basin	1	05-11-2022	Private
Trinity Presbyterian Church	20-0003.1	ADOAN - 2022-03-08 15:16:35 -- 2022-03-03: Initial inspection after construction. BMP excellent. ;	03/03/2022	No	Detention Basin	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.3	ADOAN - 2022-03-07 13:54:34 -- 2022-03-03: Initial inspection after construction . BMP good.;	03/04/2022	No	Bioretention- Micro 1	0		Private
Iron Mountain Management Inc.	01-0003.1	MWHITE02 - 2022-03-07 12:30:45 -- BMP has been maintained. ;	03/07/2022	No	Detention Basin	0		Private
Walgreens	05-0085.1	MWHITE02 - 2022-03-07 13:48:13 -- BMP has been maintained. ;	03/07/2022	No	Detention Basin	0		Private
Lowe's Garden Expansion	06-0138.1	MWHITE02 - 2022-03-14 08:48:19 -- Please remove accumulated sediment from along the curb lines. ;	03/09/2022	Yes	Vegetated Filter Strip	1	05-17-2022	Private
Lowe's	99-4237.1	MWHITE02 - 2022-03-14 08:38:48 -- Please remove accumulated sediment from along gutters and curb inlets draining into the pond and from the stone forebay and concrete culvert. Please remove any trash and debris. ;	03/09/2022	Yes	Wet Pond	1	05-17-2022	Private
Kramer Tire	T577.1	MWHITE02 - 2022-03-09 08:49:43 -- BMP is well maintained.;	03/09/2022	No	Detention Basin	0		Private
Glad Tidings Church	T731.1	MWHITE02 - 2022-03-09 08:40:52 -- BMP is in good condition, was maintained last year. Inlet grates are in place.;	03/09/2022	No	Infiltration Practices	0		Private
Popeye's Chicken and Biscuits	T766.1	MWHITE02 - 2022-03-09 09:37:36 -- BMP is functioning, minor trash but it appears to be picked up on a regular basis.;	03/09/2022	No	Detention Basin	0		Private
Fairlawn Recreation Center Addition	T414.1	ADOAN - 2022-03-18 08:48:12 -- 2022-03-11: Annual inspection. Flush and vactor curb inlet and basin outfall. Remove leaf debris in curb and gutter. ;	03/11/2022	Yes	Detention Basin	1	04-04-2022	Public
US General Services Admin	11-0014.1	ADOAN - 2022-03-14 08:30:33 -- 2022-03-11: BMP well maintained.;	03/11/2022	No	Extended Detention Basin	0		Public
Popular Hall Trail	16-0049.1	ADOAN - 2022-03-14 08:05:40 -- 2022-03-11: BMP has been well maintained. ;	03/11/2022	No	Compost Amendment	0		Public
Norfolk Juvenile Detention Center Por	14-0079.1	ADOAN - 2022-03-14 09:07:43 -- 2022-03-11: BMP has been clear cut within the last few months. ;	03/11/2022	No	Wet Pond 1	0		Public
4605-4625 E PRINCESS ANNE STO	18-0103.3	ADOAN - 2022-03-18 09:13:34 -- 2022-03-11: Remove trash, leaf litter, and debris from BMP. Cutback overgrown woody vegetation. WO generated and placed on annual PM for April.;	03/11/2022	Yes	Other Retrofit- Runoff Reduction	1	05-31-2022	Private
4605-4625 E PRINCESS ANNE STO	18-0103.1	ADOAN - 2022-03-18 09:21:26 -- 2022-03-11: Remove trash, leaf litter, and debris from BMP. Cutback overgrown woody vegetation. Remove accumulated sediment from concrete swales. WO generated and with annual PM for April.;	03/11/2022	Yes	Other Retrofit- Runoff Reduction	1	05-31-2022	Public
4605-4625 E PRINCESS ANNE STO	18-0103.2	ADOAN - 2022-03-18 09:17:32 -- 2022-03-11: Remove trash, leaf litter, and debris from BMP. Cutback overgrown woody vegetation. Remove accumulated sediment from concrete swales. WO generated and with annual PM for April.;	03/11/2022	Yes	Other Retrofit- Runoff Reduction	1	05-31-2022	Public
O' Reilly Auto Parts	T278.1	MWHITE02 - 2022-03-14 14:38:16 -- Please clear and remove accumulated sediment from the 3 slotted inlet grates. Please clear and remove accumulated sediment from the infiltration trench and connected structures. ;	03/14/2022	Yes	Infiltration Practices	1	04-19-2022	Private
Tidewater Gymnastics Parking Lot	11-0056.1	MWHITE02 - 2022-03-16 14:16:14 -- BMP is maintained. ;	03/16/2022	No	Infiltration Practices	0		Private
Pointe at Pickett Farm	12-0063.1	MWHITE02 - 2022-03-16 13:25:23 -- BMP is well maintained. ;	03/16/2022	No	Wet Pond	0		Private
Riverside Commerce Center I	T719.1	MWHITE02 - 2022-03-16 13:09:10 -- BMP is well maintained, outlet control structure replaced last year (2021). ;	03/16/2022	No	Wet Pond	0		Private
United Disposal Laydown Yard	17-0064.2	MWHITE02 - 2022-03-17 10:02:33 -- credit purchase;	03/17/2022	No	Credit Purchase	0		Private
United Disposal Laydown Yard	17-0064.1	MWHITE02 - 2022-03-17 10:03:46 -- BMP is maintained. ;	03/17/2022	No	Infiltration Practices	0		Private
E. Water Street Open Space	20-0049.3	MWHITE02 - 2022-03-17 14:03:36 -- BMP is in good condition. ;	03/17/2022	No	Bioretention 1	0		Public
E. Water Street Open Space	20-0049.2	MWHITE02 - 2022-03-17 14:00:21 -- BMP in good condition. ;	03/17/2022	No	Bioretention 1	0		Public
E. Water Street Open Space	20-0049.1	MWHITE02 - 2022-03-17 13:44:02 -- BMP in good condition, matting to be removed in a week. ;	03/17/2022	No	Bioretention 1	0		Public

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Filipino Independent Baptist Church	09-0065.1	MWHITE02 - 2022-03-21 14:17:43 -- Swale in good condition.;	03/21/2022	No	Grass Channel	0		Private
Filipino Independent Baptist Church	09-0065.2	MWHITE02 - 2022-03-21 14:19:11 -- BMP is well maintained. ;	03/21/2022	No	Infiltration Practices	0		Private
Todd Marine Electrical Supply	T660.1	MWHITE02 - 2022-03-21 14:35:11 -- BMP is maintained. ;	03/21/2022	No	Detention Basin	0		Private
Todd Marine Electrical Supply	T660.2	MWHITE02 - 2022-03-21 14:39:28 -- BMP is well maintained. ;	03/21/2022	No	Detention Basin	0		Private
Todd Marine Electrical Supply	T660.3	MWHITE02 - 2022-03-21 14:43:44 -- BMP is well maintained. ;	03/21/2022	No	Detention Basin	0		Private
New Horizon Outreach Ministries	16-0088.1	MWHITE02 - 2022-03-21 13:57:50 -- BMP is well maintained. ;	03/21/2022	No	Compost Amendment	0		Private
Laundromat	07-0110.1	MWHITE02 - 2022-03-22 09:08:37 -- BMP is well maintained. ;	03/22/2022	No	Detention Basin	0		Private
Laundromat	07-0110.2	MWHITE02 - 2022-03-22 10:37:51 -- Please address the erosion occurring (hole) from the downspout discharge. ;	03/22/2022	Yes	Detention Basin	1	05-24-2022	Private
Mulit-Family Housing Unit	08-0023.1	MWHITE02 - 2022-03-22 15:08:39 -- BMP is holding water (last rain was 5 days ago). Please remove leaf litter and debris to improve infiltration. May need to address standing water further. ;	03/22/2022	Yes	Bioretention	1	05-24-2022	Private
Mulit-Family Housing Unit	08-0023.2	MWHITE02 - 2022-03-22 14:49:33 -- BMP is well maintained, swale is pretty much dry (only holding a little bit of water because front BMP is holding water). ;	03/22/2022	No	Grass Channel	1	05-24-2022	Private
Autumn Care	T23.1	MWHITE02 - 2022-03-23 08:22:44 -- Detention basin is in good condition, the inlet pipe is unobstructed. ;	03/23/2022	No	Detention Basin	0		Private
Applebee's - Janaf Shopping Center	T64.1	MWHITE02 - 2022-03-23 09:59:17 -- Please remove litter and debris from the basin. Please remove accumulated sediment and debris from the curb inlet and surrounding curb line. Please clear accumulated sediment from in and in front of the inlet and outlet pipes. ;	03/23/2022	Yes	Detention Basin	1	05-24-2022	Private
Pizzeria Uno	T70.1	MWHITE02 - 2022-03-23 08:49:46 -- Please remove trash and debris from within and around the basin. Please cut back vegetation in the basin and clear the areas around the inlet and outfall pipes.;	03/23/2022	Yes	Wet Pond	1	05-24-2022	Private
Retail Shops	03-316.1	MWHITE02 - 2022-03-24 10:01:21 -- Please maintain the Contech Stormfilter in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	03/24/2022	Yes	Manufactured Treatment Device	2	06-07-2022	Private
Electrical Equipment Company	T214.1	MWHITE02 - 2022-03-24 13:33:32 -- BMP is in good condition, monitor erosion around the banks. ;	03/24/2022	No	Wet Pond	0		Private
U-Haul Center	T293.1	MWHITE02 - 2022-03-24 13:59:33 -- Please reconnect the downspouts to the infiltration practice.;	03/24/2022	Yes	Infiltration Practices	1	05-24-2022	Private
2714-2718 Pleasant Ave Duplex	17-0015.1	MWHITE02 - 2022-03-24 14:33:04 -- BMP is in good condition. ;	03/24/2022	No	Infiltration 2	0		Private
River Oaks Office Addition	03-163.1	MWHITE02 - 2022-03-25 11:16:33 -- BMP in good condition, minor accumulated sediment in front of stone - monitor. ;	03/25/2022	No	Grass Channel	0		Private
Norfolk Tent Company	T229.1	MWHITE02 - 2022-03-25 12:31:25 -- BMP is holding some water, rained within the last 24 hours. BMP ok. ;	03/25/2022	No	Detention Basin	0		Private
L. Fisherman & Son Inc. Flooring Inst	T449.1	MWHITE02 - 2022-03-25 12:39:19 -- Swale is well maintained. ;	03/25/2022	No	Grass Channel	0		Private
Beekman Street & Cape Henry Avenu	T527.1	MWHITE02 - 2022-03-25 11:23:13 -- Swales are present and functioning. Grass is well maintained, check dams not visible but no standing water. ;	03/25/2022	No	Infiltration Practices	0		Private
Amelia Building at Koger Center	T591.1	MWHITE02 - 2022-03-25 12:25:46 -- Pond is well maintained. ;	03/25/2022	No	Wet Pond	0		Private
Target Expansion	07-0103.1	MWHITE02 - 2022-03-28 12:10:02 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. ;	03/28/2022	No	Manufactured Treatment Device	0		Private
Target Expansion	07-0103.2	MWHITE02 - 2022-03-28 12:12:32 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records.;	03/28/2022	Yes	Manufactured Treatment Device	2	06-16-2022	Private
CVS E Va Bch Blvd. and Newton	10-0071.1	MWHITE02 - 2022-03-28 10:30:26 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	03/28/2022	Yes	Manufactured Treatment Device	1	05-31-2022	Private
United Disposal	12-0081.1	MWHITE02 - 2022-03-28 07:56:15 -- Have received maintenance records. They are in the process of updating their BMP. Scott Spruill will be providing updates. ; MWHITE02 - 2022-06-13 07:39:35 -- Waiting on fabricator to put in the replacement unit. Scott Spruill says it is still a couple of months out. ;	03/28/2022	No	Manufactured Treatment Device	0		Private
Target Store	T286.1	MWHITE02 - 2022-03-28 11:34:06 -- BMP is well maintained. There is some minor erosion along the right bank as facing the basin, monitor in future inspections. ;	03/28/2022	No	Wet Pond	0		Private
Strip Mall - JANAF	T379.1	MWHITE02 - 2022-03-28 09:50:20 -- Please remove the accumulated sediment from gutter/curb along the detention basin. Please remove trash and debris (including leaf and tree debris) from the basin. ;	03/28/2022	Yes	Detention Basin	0		Private
Costco Gas Station	T644	MWHITE02 - 2022-03-28 10:57:14 -- Please maintain the oil/grit separator according to the manufacturer's specifications and provide a copy of the maintenance records. ;	03/28/2022	Yes	Manufactured Treatment Device	1	04-18-2022	Private
Norfolk Fire Training Facility	19-0082.1	ADOAN - 2022-03-31 09:07:58 -- 2022-03-30 Additional stabilization has been completed. CO released. As-builts have been reviewed and approved on 2/17/2022.;	03/30/2022	No	Compost Amendment	0		Public
Ocean View Elementary School	14-0085.1	ADOAN - 2022-04-05 14:39:41 -- BMP requires maintenance.
 1. Cutback overgrown vegetation (cat-tails and phragmites)
 2. Clear overgrown vegetation from the two pipes in the pond and make a clear path for flow.
 ;	04/01/2022	Yes	Wet Pond	1	05-16-2022	School
Bayview Elementary School Addition /	T517.1	ADOAN - 2022-04-05 07:35:42 -- BMP maintained.;	04/01/2022	No	Infiltration Practices	0		School
Northside Middle School Parking Lot	07-0014.1	ADOAN - 2022-04-05 14:03:58 -- Remove accumulated leaf debris from basin. Remove accumulated sediment from gutter pan and curb cuts and clear a flow path to the basin. Remove accumulated leaf debris from the drop inlet and remove trash from inside the drop inlet. See photo documentation.;	04/01/2022	Yes	Bioretention	1	05-16-2022	School
Pretlow Library	05-0105.1	ADOAN - 2022-04-06 07:10:11 -- BMP Maintained.;	04/01/2022	No	Infiltration Practices	0		Public
CON Small Brick Building	11-0044.1	ADOAN - 2022-04-05 07:50:16 -- BMp maintained.;	04/01/2022	No	Infiltration Practices	0		Public
Contel Cellular Tower	T150.1	ADOAN - 2022-04-05 15:08:55 -- Remove accumulated trash throughout the BMP.;	04/01/2022	Yes	Infiltration Practices	0		Public
Cottage Place Subdivision	T341.1	ADOAN - 2022-04-06 08:00:17 -- Remove tree debris that was left on site after cuttings. Remove accumulated sediment in gutter pan of parking lot and curb cuts and clear a flow line. ;	04/01/2022	Yes	Infiltration Practices	1	05-26-2022	Public
Carlton Homes LLC ROW Improveme	15-0001.1	ADOAN - 2022-04-06 07:27:49 -- BMP maintained by homeowner.;	04/01/2022	No	Infiltration 1	0		Public
Carlton Homes LLC ROW Improveme	15-0001.2	ADOAN - 2022-04-06 07:31:08 -- BMP maintained by homeowner. ;	04/01/2022	No	Infiltration 1	0		Public
Carlton Homes LLC ROW Improveme	15-0001.3	ADOAN - 2022-04-06 07:34:28 -- Cutback overgrown vegetation. Remove accumulated leaf debris. ; ADOAN - 2022-04-06 07:37:12 -- Remove accumulated sediment along curbline. ;	04/01/2022	Yes	Infiltration 1	1	05-27-2022	Public

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Dune Street Wetland	16-0075.1	ADOAN - 2022-04-05 07:40:26 -- BMP maintained.;	04/01/2022	No	Stormwater Wetland 2	0		Public
Sunset Dr. at Chesapeake Blvd Drains	16-0048.1	ADOAN - 2022-04-05 07:18:18 -- On an annual PM schedule for June.;	04/01/2022	Yes	Manufactured Treatment Device	0		Public
	T505.1	ADOAN - 2022-04-05 07:30:54 -- BMP maintained.;	04/01/2022	No	Infiltration Practices	0		Public
Lake Modoc	16-0054.1	ADOAN - 2022-04-05 13:44:24 -- Wet pond is very well maintained.;	04/01/2022	No	Wet Pond 2	0		Public
Beach Maintenance Blvd, NRHA	91067.030.1	ADOAN - 2022-04-05 13:10:14 -- BMP in good condition. Appears to be functioning properly.;	04/01/2022	No	Infiltration Practices	0		Public
BJ's Gas Station	15-0018.1	MWHITE02 - 2022-04-05 07:53:32 -- Please remove trash and debris from the basin and dispose of it properly. Please address erosion at the curb cut inlets. ;	04/05/2022	Yes	Bioretention 1	2	06-15-2022	Private
Zap Tax	T257.1	MWHITE02 - 2022-04-06 12:20:17 -- BMP is maintained. Dry after it rained overnight. ;	04/06/2022	No	Infiltration Practices	0		Private
Willoughby Bluff Condos	T643.1	MWHITE02 - 2022-04-06 12:34:14 -- No issues, u/g infiltration trenches are all functioning (under landscaping). ;	04/06/2022	No	Infiltration Practices	0		Private
Calz Pizza	T678.1	MWHITE02 - 2022-04-06 15:21:25 -- Level spreaders are installed and swale is functioning. Grease container is in a really poor location (they have nowhere to move it), keep an eye out for evidence of grease spills in future inspections. ;	04/06/2022	No	Grass Channel	0		Private
8570 Chesapeake Blvd. (18 unit apart	T275.1	MWHITE02 - 2022-04-07 08:31:06 -- Please clear accumulated sediment from around the drop inlet and within the structure. ;	04/07/2022	Yes	Infiltration Practices	1	06-14-2022	Private
8570 Chesapeake Blvd. (18 unit apart	T275.2	MWHITE02 - 2022-04-07 08:33:05 -- BMP is well maintained. ;	04/07/2022	No	Infiltration Practices	0		Private
BB&T	T616.1	MWHITE02 - 2022-04-07 07:42:13 -- Please place DI grate properly so that it lays flush. Please clear accumulated sediment from in front of the inlet grate and within the structure. ;	04/07/2022	Yes	Infiltration Practices	1	04-14-2022	Private
1718 EOV Duplex	18-0009.1	MWHITE02 - 2022-04-07 15:10:34 -- BMP is well maintained.;	04/07/2022	No	Bioretention 2	0		Private
1718 EOV Duplex	18-0009.2	MWHITE02 - 2022-04-07 15:12:06 -- BMP is well maintained. ;	04/07/2022	No	Detention Basin	0		Private
829-831 Little Bay Ave Duplex	18-0020.2	MWHITE02 - 2022-04-07 14:05:02 -- BMP is in good condition, downspouts still attached, swale is in good shape though was getting a bit of growth. ;	04/07/2022	No	Infiltration 2	0		Private
829-831 Little Bay Ave Duplex	18-0020.1	MWHITE02 - 2022-04-07 14:03:29 -- BMP is in good condition, no further sinkage by the observation well. There was some leaf litter accumulation, but landscapers maintain. ;	04/07/2022	No	Detention Basin	0		Private
Sunshine Villas	17-0016.1	MWHITE02 - 2022-04-08 10:11:08 -- BMP is well maintained, minor amount of trash caught in the vegetation but appears maintained. ;	04/08/2022	No	Bioretention- Micro 1	0		Private
Pinewell Station Apartments	18-0019.1	MWHITE02 - 2022-04-08 10:02:17 -- Maintenance performed 10/26/20 before CO was released. Upon inspection there was very minimal sediment, parking lot seems to be kept pretty clean. ;	04/08/2022	No	Manufactured Treatment Device	0		Private
941 Hillside Ave Subdivision	18-0014.1	MWHITE02 - 2022-04-08 10:55:42 -- BMP is well maintained. ;	04/08/2022	No	Bioretention 2	0		Private
941 Hillside Ave Subdivision	18-0014.2	MWHITE02 - 2022-04-08 10:52:13 -- BMP is well maintained, did not access backyard. Bioretention in the back as well. ;	04/08/2022	No	Bioretention 2	0		Private
941 Hillside Ave Subdivision	18-0014.3	MWHITE02 - 2022-04-08 10:25:55 -- BMP is well maintained. ;	04/08/2022	No	Bioretention 2	0		Private
941 Hillside Ave Subdivision	18-0014.4	MWHITE02 - 2022-04-08 10:19:57 -- BMP is well maintained. ;	04/08/2022	No	Bioretention 2	0		Private
1101 E Leicester Avenue-3 lot SF su	18-0029.2	MWHITE02 - 2022-04-08 13:42:12 -- BMP is well maintained. ;	04/08/2022	No	Rooftop or Impervious Surface Discon	0		Private
8802 Chesapeake Blvd - 3 SFR	17-0072.1	MWHITE02 - 2022-04-08 14:36:28 -- BMP is well maintained. ;	04/08/2022	No	Bioretention 2	0		Private
8802 Chesapeake Blvd - 3 SFR	17-0072.2	MWHITE02 - 2022-04-08 14:43:51 -- Please replant the bioretention basin according to the approved landscaping plans.;	04/08/2022	Yes	Bioretention 2	1	06-14-2022	Private
8802 Chesapeake Blvd - 3 SFR	17-0072.3	MWHITE02 - 2022-04-08 14:55:11 -- BMP is well maintained, keep an eye on the plants which are struggling a bit. ;	04/08/2022	No	Bioretention 2	0		Private
1009 W. Ocean View Duplex	17-0076.2	MWHITE02 - 2022-04-08 09:02:03 -- BMP is functioning and in good condition. Donuts (IP) are still on each of the drop inlets, do not seem to be causing any issues but will notify owners to remove.;	04/08/2022	No	Infiltration Practices	0		Private
1009 W. Ocean View Duplex	17-0076.1	MWHITE02 - 2022-04-08 08:59:06 -- BMP is functioning and in good condition. Minor accumulated sediment in driveway channel drain. Donuts (IP) are still on each of the drop inlets, do not seem to be causing any issues but will notify owners to remove. ;	04/08/2022	No	Infiltration Practices	0		Private
1101 E Leicester Avenue-3 lot SF su	18-0029.1	MWHITE02 - 2022-04-08 13:41:47 -- BMP is well maintained.;	04/08/2022	No	Rooftop or Impervious Surface Discon	0		Private
1101 E Leicester Avenue-3 lot SF su	18-0029.3	MWHITE02 - 2022-04-08 13:48:54 -- BMP is well maintained. ;	04/08/2022	No	Rooftop or Impervious Surface Discon	0		Private
1101 E Leicester Avenue-3 lot SF su	18-0029.4	MWHITE02 - 2022-04-08 14:03:12 -- BMP is well maintained. ;	04/08/2022	No	Rooftop or Impervious Surface Discon	0		Private
1101 E Leicester Avenue-3 lot SF su	18-0029.5	MWHITE02 - 2022-04-08 14:07:01 -- BMP is well maintained. ;	04/08/2022	No	Rooftop or Impervious Surface Discon	0		Private
1101 E Leicester Avenue-3 lot SF su	18-0029.6	MWHITE02 - 2022-04-08 14:07:18 -- BMP is well maintained. ;	04/08/2022	No	Rooftop or Impervious Surface Discon	0		Private
Pinewell Station Apartments	18-0019.3	MWHITE02 - 2022-04-08 10:03:46 -- Maintenance performed 10/26/20 before CO was released. Upon inspection there was very minimal sediment, parking lot seems to be kept pretty clean. Had rained the night before the inspection. ;	04/08/2022	No	Manufactured Treatment Device	0		Private
Single Family Residence - 3622 E. Oc	B21-01460.1	ADOAN - 2022-05-05 07:41:46 -- 2022-04-11: Initial inspection after construction. BMP in excellent condition. ;	04/11/2022	No	Infiltration Practices	0		Private
Single Family Residence - 3622 E. Oc	B21-01460.2	ADOAN - 2022-05-05 07:35:16 -- 2022-04-11: Initial inspection after construction. BMP in excellent condition. ;	04/11/2022	No	Infiltration Practices	0		Private
Single Family Residence - 3622 E. Oc	B21-01460.3	ADOAN - 2022-05-05 07:43:10 -- 2022-04-11: Initial inspection after construction. BMP in excellent condition. ;	04/11/2022	No	Infiltration Practices	0		Private
Single Family - 3234 East Ocean Vie	B21-00927.1	ADOAN - 2022-04-26 13:11:24 -- 2022-04-07: Final Inspection. Site is compete and fully stabilized. ;	04/11/2022	No	Permeable Pavement	0		Private
Duplex	01-0165.1	MWHITE02 - 2022-04-14 14:35:32 -- Observation wells dry, minor debris from next door. ;	04/14/2022	No	Infiltration Practices	0		Private
Duplex	01-0165.2	MWHITE02 - 2022-04-14 14:37:58 -- Observation wells dry. BMP is functioning. ;	04/14/2022	No	Infiltration Practices	0		Private
Condos	03-0148.1	MWHITE02 - 2022-04-14 13:37:23 -- BMP is well maintained, minimal sediment or debris. ;	04/14/2022	No	Infiltration Practices	0		Private
Duplex	03-0272.1	MWHITE02 - 2022-04-14 14:49:40 -- BMP is in good condition. ;	04/14/2022	No	Infiltration Practices	0		Private

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Duplex	03-0272.2	MWHITE02 - 2022-04-14 14:50:02 -- BMP is in good condition. ;	04/14/2022	No	Infiltration Practices	0		Private
Fentress Court Subdivision	05-0175.1	MWHITE02 - 2022-04-14 13:56:46 -- BMP is well maintained.;	04/14/2022	No	Grass Channel	0		Private
Ocean View Avenue Duplex	13-0040.1	MWHITE02 - 2022-04-14 14:21:50 -- BMP is well maintained, minor leaf debris in the outlet structure. ;	04/14/2022	No	Detention Basin	0		Private
Captain's Landing	15-0039.1	MWHITE02 - 2022-04-14 14:12:18 -- BMP is maintained, less than 1 inch of sediment.;	04/14/2022	No	Infiltration 1	0		Private
Captain's Landing	15-0039.2	MWHITE02 - 2022-04-14 14:13:02 -- BMP is maintained, less than 1 inch of sediment.;	04/14/2022	No	Infiltration 2	0		Private
Duplex	06-0014.1	MWHITE02 - 2022-04-18 11:08:32 -- BMP is well maintained. ;	04/18/2022	No	Bioretention	0		Private
Duplex	06-0014.2	MWHITE02 - 2022-04-18 11:08:51 -- BMP is well maintained. ;	04/18/2022	No	Bioretention	0		Private
Duplex	09-0040.1	MWHITE02 - 2022-04-18 10:41:42 -- BMP is in good condition. ;	04/18/2022	No	Infiltration Practices	0		Private
Duplex	09-0040.2	MWHITE02 - 2022-04-18 10:42:01 -- BMP is in good condition.;	04/18/2022	No	Infiltration Practices	0		Private
McCoy Duplex	16-0018.1	MWHITE02 - 2022-04-18 09:30:03 -- BMP is well maintained. ;	04/18/2022	No	Infiltration 1	0		Private
1855 Kingston Ave. Duplex	16-0097.2	MWHITE02 - 2022-04-18 10:20:22 -- BMP appears to be in good condition, cannot access backyard. ;	04/18/2022	No	Infiltration 1	0		Private
1855 Kingston Ave. Duplex	16-0097.1	MWHITE02 - 2022-04-18 10:19:44 -- BMP is well maintained. ;	04/18/2022	No	Infiltration 2	0		Private
Duplex - 3 Story	01-0078.1	MWHITE02 - 2022-04-21 13:25:07 -- BMP is well maintained. ;	04/21/2022	No	Infiltration Practices	0		Private
Apartment / Garage	03-0273.1	MWHITE02 - 2022-04-21 15:12:07 -- BMP is in good condition, well maintained. ;	04/21/2022	No	Infiltration Practices	0		Private
Duplex	04-0013.1	MWHITE02 - 2022-04-21 13:36:03 -- BMP is well maintained, inlets visible and clear of debris. ;	04/21/2022	No	Infiltration Practices	0		Private
Duplex	05-0090.1	MWHITE02 - 2022-04-21 14:50:06 -- BMP appears to be well maintained. ;	04/21/2022	No	Infiltration Practices	0		Private
Duplex	05-0090.2	MWHITE02 - 2022-04-21 14:56:31 -- BMP is in good condition. Spoke to the homeowner. ;	04/21/2022	No	Infiltration Practices	0		Private
Mariner's Watch Apartments -Phase 1	T627.1	MWHITE02 - 2022-04-21 13:50:53 -- BMP is well maintained, minimal sediment and debris. ;	04/21/2022	No	Infiltration Practices	0		Private
Mariner's Watch Apartments -Phase 1	T627.2	MWHITE02 - 2022-04-21 14:04:08 -- BMP is well maintained, minimal sediment. ;	04/21/2022	No	Infiltration Practices	0		Private
Mariner's Watch Apartments -Phase 1	T627.3	MWHITE02 - 2022-04-21 14:06:56 -- Please repair the drop inlet structure and make sure the grate lays flush. ;	04/21/2022	Yes	Infiltration Practices	0		Private
Duplex	03-0315.1	MWHITE02 - 2022-04-22 14:11:06 -- BMP is functioning, all downspouts tied in.;	04/22/2022	No	Infiltration Practices	0		Private
Duplex	03-0315.2	MWHITE02 - 2022-04-22 13:49:02 -- BMP is well maintained. ;	04/22/2022	No	Infiltration Practices	0		Private
Duplex	03-0315.3	MWHITE02 - 2022-04-22 13:48:42 -- BMP is well maintained. ;	04/22/2022	No	Infiltration Practices	0		Private
1921 Parkview Avenue	16-0076.1	MWHITE02 - 2022-04-22 08:57:12 -- BMP is well maintained. ;	04/22/2022	No	Bioretention 2	0		Private
1921 Parkview Avenue	16-0076.2	MWHITE02 - 2022-04-22 09:04:41 -- BMP is well maintained;	04/22/2022	No	Bioretention 2	0		Private
1921 Parkview Avenue	16-0076.3	MWHITE02 - 2022-04-22 09:15:39 -- Please restore plantings in the bioretention basin. ;	04/22/2022	Yes	Bioretention 2	1	06-22-2022	Private
Filterra	ColPIFlt1.1	MWHITE02 - 2022-04-26 15:14:00 -- PM in May, will re-inspect after. ;	04/26/2022	No	Manufactured Treatment Device	1	05-11-2022	Public
Filterra	ColPIFlt1.2	MWHITE02 - 2022-04-26 15:17:08 -- PM in May, will re-inspect after.;	04/26/2022	No	Manufactured Treatment Device	1	05-11-2022	Public
Filterra	ColPIFlt4.1	MWHITE02 - 2022-04-26 15:22:26 -- Removal of accumulated sediment required. PM in May, will reinspect after work is complete. ;	04/26/2022	No	Manufactured Treatment Device	1	05-11-2022	Public
Filterra	ColPIFlt5.1	MWHITE02 - 2022-04-26 15:25:01 -- Filterra is well maintained. Will reinspect after May PM. ;	04/26/2022	No	Manufactured Treatment Device	1	05-11-2022	Public
Filterra	ColPIFlt2.1	MWHITE02 - 2022-04-27 08:48:13 -- PM in May, will re-inspect after work is complete. ;	04/27/2022	No	Manufactured Treatment Device	1	05-11-2022	Public
Filterra	ColPIFlt3.1	MWHITE02 - 2022-04-27 08:59:56 -- PM in May, will re-inspect after. Debris accumulation at inlet. ;	04/27/2022	No	Manufactured Treatment Device	1	05-11-2022	Public
Greenway Stormwater Park	12-0053.1	MWHITE02 - 2022-04-27 10:43:12 -- BMP is well established and maintained.;	04/27/2022	No	Wet Pond	0		Public
Villa Circle Living Shoreline	16-0099.1	MWHITE02 - 2022-04-27 09:57:23 -- 1.Is there considerable erosion between the low marsh and riprap? No
 2.Is there a large amount of accumulated sediment on the riprap? No
 3.Is there considerable erosion along the high marsh or buffer edge? No
 4.Is the low marsh well vegetated and thriving? Yes
 5.Is the high marsh well vegetated and thriving? Yes
 6.Is the buffer zone well vegetated and thriving? Yes
 7.Is there a noticeable presence of aquatic life in the shoreline? Yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? No
 9.Is there a considerable amount of litter and debris present? No
 10.Are passive water access sites in good condition? Yes
 Some damage to signs, Peter Mack plans to fix or replace.
 ;	04/27/2022	No	Shoreline Management	0		Public

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Villa Circle Living Shoreline	16-0099.2	MWHITE02 - 2022-04-27 09:47:33 -- 1.Is there considerable erosion between the low marsh and riprap? No
 2.Is there a large amount of accumulated sediment on the riprap? No
 3.Is there considerable erosion along the high marsh or buffer edge? No
 4.Is the low marsh well vegetated and thriving? Yes
 5.Is the high marsh well vegetated and thriving? Yes
 6.Is the buffer zone well vegetated and thriving? Trees in buffer are dead or struggling
 7.Is there a noticeable presence of aquatic life in the shoreline? Yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? No
 9.Is there a considerable amount of litter and debris present? Minor litter on the far side of the shoreline (away from the bridge)(looks like it comes from dumping at the corner)
 10.Are passive water access sites in good condition? Yes
 .	04/27/2022	No	Shoreline Management	0		Public
Beach Avenue Living Shoreline	16-0093.1	MWHITE02 - 2022-04-27 11:39:03 -- 1.Is there considerable erosion between the low marsh and riprap? No
 2.Is there a large amount of accumulated sediment on the riprap? No
 3.Is there considerable erosion along the high marsh or buffer edge? No
 4.Is the low marsh well vegetated and thriving? Yes
 5.Is the high marsh well vegetated and thriving? Yes
 6.Is the buffer zone well vegetated and thriving? Yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? yes, some wrack accumulation (WO 22-013915)
 9.Is there a considerable amount of litter and debris present? No
 10.Are passive water access sites in good condition? Yes
 .	04/27/2022	Yes	Shoreline Management	0		Public
Beach Avenue Living Shoreline	16-0093.2	MWHITE02 - 2022-04-27 11:44:08 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? some, not much
 9.Is there a considerable amount of litter and debris present? no
 10.Are passive water access sites in good condition? N/A
 .	04/27/2022	No	Shoreline Management	0		Public
LaValette Living Shoreline	S100.1	MWHITE02 - 2022-04-27 11:21:07 -- 1.Is there considerable erosion between the low marsh and riprap? No
 2.Is there a large amount of accumulated sediment on the riprap? No
 3.Is there considerable erosion along the high marsh or buffer edge? No
 4.Is the low marsh well vegetated and thriving? Yes
 5.Is the high marsh well vegetated and thriving? Yes
 6.Is the buffer zone well vegetated and thriving? Yes
 7.Is there a noticeable presence of aquatic life in the shoreline? Yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? Yes (to be addressed by WO 22-013915)
 9.Is there a considerable amount of litter and debris present? No
 10.Are passive water access sites in good condition? N/A
 .	04/27/2022	Yes	Shoreline Management	0		Public
LaValette Living Shoreline	S100.2	MWHITE02 - 2022-04-27 10:59:33 -- 1.Is there considerable erosion between the low marsh and riprap? No
 2.Is there a large amount of accumulated sediment on the riprap? No
 3.Is there considerable erosion along the high marsh or buffer edge? No
 4.Is the low marsh well vegetated and thriving? Yes
 5.Is the high marsh well vegetated and thriving? Yes
 6.Is the buffer zone well vegetated and thriving? Yes
 7.Is there a noticeable presence of aquatic life in the shoreline? Yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? Some wrack accumulation - more so on the other side of the kayak launch (to be addressed by WO 22-013915
 9.Is there a considerable amount of litter and debris present? No, minor litter from kayak launch traffic
 10.Are passive water access sites in good condition? Yes
 .	04/27/2022	No	Shoreline Management	0		Public
LaValette Living Shoreline	S100.3	MWHITE02 - 2022-04-27 10:52:04 -- Buffer in good condition, just maintained and mulched. ;	04/27/2022	No	Forest Buffer More Than 35ft Wide	0		Public
Haven Creek Pathway	S102.1	MWHITE02 - 2022-04-27 10:36:20 -- 1.Is there considerable erosion between the low marsh and riprap? No
 2.Is there a large amount of accumulated sediment on the riprap? No
 3.Is there considerable erosion along the high marsh or buffer edge? No
 4.Is the low marsh well vegetated and thriving? Yes
 5.Is the high marsh well vegetated and thriving? Yes
 6.Is the buffer zone well vegetated and thriving? Yes
 7.Is there a noticeable presence of aquatic life in the shoreline? Yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? No
 9.Is there a considerable amount of litter and debris present? No
 10.Are passive water access sites in good condition? N/A
 .	04/27/2022	No	Shoreline Management	0		Public
Grandy Village, Phase 1	01-0222.1	MWHITE02 - 2022-04-28 15:14:37 -- High Priority PM triggered today 4/28. Will change PM to every 6 months after WO is complete. ;	04/28/2022	Yes	Manufactured Treatment Device	0		Public
Grandy Village Roadway	04-0119.1	MWHITE02 - 2022-04-28 13:51:15 -- Swale has been heavily impacted and compromised by construction. MEB is required to restore the swale (construction is still on-going).;	04/28/2022	Yes	Grass Channel	0		Public
Chesterfield Elementary Parking Lot	06-0094.1	MWHITE02 - 2022-04-28 13:10:58 -- Area is still impacted by Ohio Creek project. BMP is functioning. Future status still undetermined in regards to structure put in the middle of it. Some sediment accumulation and trash to be addressed after construction. ;	04/28/2022	No	Infiltration Practices	0		School
Chesterfield Heights WW Pump Stati	10-0042.1	MWHITE02 - 2022-04-28 14:40:17 -- Ok, well maintained. Using street in front as a laydown yard so limited access currently. ;	04/28/2022	No	Bioretention	0		Public
Grandy Village-Phase V Site Improver	12-0028.1	MWHITE02 - 2022-04-29 09:47:28 -- Please remove accumulated sediment from in and around the inlet pipes. Please remove all trash and debris. ;	04/29/2022	Yes	Extended Detention Basin	1	05-12-2022	Public
Grandy Village Phase VI	16-0034.1	MWHITE02 - 2022-04-29 07:15:56 -- Pond is well maintained and in good condition. Minor trash accumulation in the trash collectors. ;	04/29/2022	No	Wet Pond	0		Public
Grandy Village Community Center	08-0079.1	MWHITE02 - 2022-05-02 09:04:39 -- BMP is well maintained. ;	05/02/2022	No	Bioretention	0		Public
Grandy Village Community Center	08-0079.2	MWHITE02 - 2022-05-02 09:44:58 -- Please remove phragmites. Please remove accumulated sediment from the curb cut inlets. ;	05/02/2022	Yes	Bioretention	0		Public
Grandy Village Community Center	08-0079.3	MWHITE02 - 2022-05-02 09:30:06 -- Please remove the accumulated sediment from the curb cut inlet. ;	05/02/2022	Yes	Bioretention	0		Public
Booker T. Washington High School &	T315.1	MWHITE02 - 2022-05-02 14:57:41 -- Has been maintained, last vactored out December '21. ;	05/02/2022	No	Manufactured Treatment Device	0		School

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Booker T. Washington High School &	T315.2	MWHITE02 - 2022-05-02 14:58:48 -- Has been maintained, last vactored out December '21. ;	05/02/2022	No	Manufactured Treatment Device	0		School
Booker T. Washington Field House	14-0010.1	MWHITE02 - 2022-05-02 12:41:20 -- BMP is well maintained. ;	05/02/2022	No	Grass Channel	0		School
Jacox Elementary School Bus Loop	05-0086.1	MWHITE02 - 2022-05-03 13:45:50 -- BMP is well maintained.;	05/03/2022	No	Infiltration Practices	0		School
Jacox Elementary School Bus Loop	05-0086.2	MWHITE02 - 2022-05-03 13:52:06 -- BMP is well maintained.;	05/03/2022	No	Infiltration Practices	0		School
Anne Outten Pond Retrofit	16-0014.1	MWHITE02 - 2022-05-03 15:28:39 -- Large amount of trash and debris in the area. PM is scheduled for this month. ;	05/03/2022	Yes	Wet Pond 2	1	05-26-2022	Public
Lake Liberty	91067.029.1	MWHITE02 - 2022-05-03 14:19:32 -- BMP is well maintained, both aerators on and functioning. ;	05/03/2022	No	Wet Pond	0		Public
Central Brambleton	T559.1	MWHITE02 - 2022-05-03 14:39:42 -- BMP is well maintained. ; MWHITE02 - 2022-05-03 14:41:47 -- Continue to monitor vegetation near the inlet.;	05/03/2022	No	Wet Pond	0		Public
NRHA CMD Facility	T99.1	MWHITE02 - 2022-05-03 14:52:15 -- BMP is well maintained.;	05/03/2022	No	Infiltration Practices	0		Public
Broad Creek Library	16-0057.1	MWHITE02 - 2022-05-03 07:32:12 -- BMP is well maintained and in good condition. No further sinking around the structure. ;	05/03/2022	No	Dry Swale 2	0		Public
Broad Creek Library	16-0057.2	MWHITE02 - 2022-05-03 12:54:42 -- BMP is well maintained. ;	05/03/2022	No	Bioretention 1	0		Public
Broad Creek Library	16-0057.3	MWHITE02 - 2022-05-03 07:42:57 -- Please remove accumulated sediment and debris from the inlets. Please remove grass clippings from the outlet structure. Please remove trash and debris from in and around the basin. ;	05/03/2022	Yes	Grass Channel	0		Public
Roberts Road Pond Retrofit	16-0055.1	MWHITE02 - 2022-05-03 15:16:59 -- BMP is maintained, well vegetated, inlets clear. Common dumping spot, minimal dumping and very little trash. ;	05/03/2022	No	Wet Pond 2	0		Public
Norchester Pump Station No. 116 Reg	13-0023.1	MWHITE02 - 2022-05-04 08:48:56 -- Swale present, BMP maintained.;	05/04/2022	No	Grass Channel	0		Public
Norchester Pump Station No. 116 Reg	13-0023.2	MWHITE02 - 2022-05-04 08:49:15 -- Swale present BMP maintained. ;	05/04/2022	No	Grass Channel	0		Public
Barraud Park	07-0086.1	MWHITE02 - 2022-05-04 10:15:08 -- Accumulated sediment at the curb cut inlet needs to be cleared, WO created. ;	05/04/2022	Yes	Infiltration Practices	1	05-17-2022	Public
Third Police Precinct Parking Lot Add	05-0200.1	MWHITE02 - 2022-05-04 11:16:41 -- Remove overgrown vegetation. Remove trash and debris. ;	05/04/2022	Yes	Extended Detention Basin	0		Public
Bruce's Park Pump Station #152	13-0009.1	MWHITE02 - 2022-05-04 11:32:09 -- Please address hole in center of the swale. ;	05/04/2022	Yes	Dry Swale 1	0		Public
Combined Operations Facility Improve	19-0001.1	MWHITE02 - 2022-05-04 09:26:24 -- Separator needs to be maintained, full of sediment. WO created. Inlet protection needs to be replaced. ;	05/04/2022	Yes	Manufactured Treatment Device	1	05-13-2022	Public
Lindenwood Barraud Park Shoreline R	16-0092.1	MWHITE02 - 2022-05-04 12:58:40 -- 1.Is there considerable erosion between the low marsh and riprap? No
 2.Is there a large amount of accumulated sediment on the riprap? No
 3.Is there considerable erosion along the high marsh or buffer edge? No
 4.Is the low marsh well vegetated and thriving? Yes
 5.Is the high marsh well vegetated and thriving? Still filling in but seems healthy
 6.Is the buffer zone well vegetated and thriving? Yes
 7.Is there a noticeable presence of aquatic life in the shoreline? Yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? No
 9.Is there a considerable amount of litter and debris present? No
 10.Are passive water access sites in good condition? Yes
 ;	05/04/2022	No	Shoreline Management	0		Public
Barraud Park Pump Station #153	14-0002.1	MWHITE02 - 2022-05-04 10:29:00 -- Swales present and maintained. ;	05/04/2022	No	Dry Swale	0		Public
Barraud Park Pump Station #153	14-0002.2	MWHITE02 - 2022-05-04 10:55:32 -- BMP is well maintained.;	05/04/2022	No	Permeable Pavement	0		Public
Lindenwood Barraud Park Shoreline R	16-0092.2	MWHITE02 - 2022-05-04 13:26:00 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? a couple of spots with erosion need monitoring
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? still filling in but seems pretty healthy
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? No, a couple of hotspots with minor accumulation
 9.Is there a considerable amount of litter and debris present? No, some at kayak launch
 10.Are passive water access sites in good condition? Yes
 ;	05/04/2022	No	Shoreline Management	0		Public
Lindenwood Barraud Park Shoreline R	16-0092.3	MWHITE02 - 2022-05-04 14:01:36 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? still filling in, mostly healthy, a couple of spots are struggling a bit
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? hotspot at the end of middle st and in between high marsh and buffer
 9.Is there a considerable amount of litter and debris present? yes
 10.Are passive water access sites in good condition? yes
 ;	05/04/2022	Yes	Shoreline Management	0		Public
Wawa at Newtown	18-0008.2	MWHITE02 - 2022-05-06 11:39:47 -- Have not received maintenance records. ;	05/06/2022	Yes	Manufactured Treatment Device	1	06-13-2022	Private
Wawa at Newtown	18-0008.1	MWHITE02 - 2022-05-06 11:40:27 -- Have not received maintenance records.;	05/06/2022	Yes	Manufactured Treatment Device	1	06-13-2022	Private
Single Family Homes - 2413,2419 Ma	B20-02483.2	MWHITE02 - 2022-05-06 07:16:01 -- BMP in good condition, CO released in April. ;	05/06/2022	No	Extended Detention Basin	0		Private
Single Family Homes - 2413,2419 Ma	B20-02483.1	MWHITE02 - 2022-05-06 07:19:02 -- BMP in good condition, CO released in April.;	05/06/2022	No	Extended Detention Basin	0		Private
St. Mary's Mausoleum	07-0002.1	MWHITE02 - 2022-05-09 14:41:14 -- Detention basin is maintained, drains into the creek behind it. ;	05/09/2022	No	Detention Basin	0		Private
Gethsemane Baptist Church Bldg Add	12-0064.1	MWHITE02 - 2022-05-09 14:30:00 -- MWS in good condition and well maintained. ;	05/09/2022	No	Manufactured Treatment Device	0		Private
HRT Transfer Military Circle	HRT Transfer Military Circle.1	MWHITE02 - 2022-05-09 15:16:25 -- Permeable pavement is well maintained, some cigarette butt litter but there would be more if it was not maintained frequently. ;	05/09/2022	No	Permeable Pavement	0		Private
Gethsemane Community Fellowship C	03-0065.1	MWHITE02 - 2022-05-09 14:04:41 -- BMP is well maintained. Holding water after heavy rain over the weekend (inspection occurred Monday morning). BMP has historically held some water. ;	05/09/2022	No	Infiltration Practices	0		Private

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Gethsemane Community Fellowship C	03-0065.2	MWHITE02 - 2022-05-09 14:13:58 -- Infiltration practice is well maintained. ;	05/09/2022	No	Infiltration Practices	0		Private
Moran Towing of Virginia, Inc.	T450.1	MWHITE02 - 2022-05-09 13:33:39 -- BMP is well maintained. ;	05/09/2022	No	Grass Channel	0		Private
Cox Communications	T747.1	MWHITE02 - 2022-05-09 15:23:22 -- BMP has been maintained, drop inlet appears to be free of sediment but is holding some water after heavy rain over the weekend (inspection occurred monday morning).;	05/09/2022	No	Infiltration Practices	0		Private
Barry's Performance Car Shop	T93.1	MWHITE02 - 2022-05-09 13:16:35 -- BMP is functioning, heavy rain less than 24 hours ago. ;	05/09/2022	No	Infiltration Practices	0		Private
Barry's Performance Car Shop	T93.2	MWHITE02 - 2022-05-09 13:22:06 -- BMP is functioning, heavy rain less than 24 hours before inspection. Holding some water in the middle. ;	05/09/2022	No	Infiltration Practices	0		Private
Lake Taylor Field House	14-0009.2	MWHITE02 - 2022-05-09 15:02:01 -- BMP well maintained. ;	05/09/2022	No	Rooftop or Impervious Surface Discon	0		Public
Lake Taylor Field House	14-0009.1	MWHITE02 - 2022-05-09 15:01:28 -- BMP well maintained. ;	05/09/2022	No	Rooftop or Impervious Surface Discon	0		Public
Tabet Manufacturing	20-0063.1	MWHITE02 - 2022-05-09 13:00:21 -- Cistern in good condition. CO was released in March. ;	05/09/2022	Yes	Cisterns and Rain Barrels	0		Private
Gethsemane Baptist Church Bldg Add	12-0064.2	MWHITE02 - 2022-05-09 14:33:27 -- Detention basin in good condition and well maintained. Holding water after rain in the last 24 hours. ;	05/09/2022	No	Detention Basin	0		Private
Attucks West Pond	S104.1	MWHITE02 - 2022-05-19 08:12:51 -- Basin overgrown and oversized, currently flow path short-circuits from inlet to outlet to use about eight feet of a large BMP except for the sheet flow, grading needs to be restored. Vegetation somewhat obstructs outlet and a tree is partially blocking and has roots growing into the inlet pipe. Vegetation is overgrown and needs maintenance. There is a lot of trash and debris. BMP should be retrofitted. No work or maintenance currently planned while retrofitting is being considered. NRHA owned. ;	05/09/2022	No		0		Public
Conley Warehouse and Office	02-0121.1	MWHITE02 - 2022-05-11 13:16:14 -- BMP is well maintained. ;	05/11/2022	No	Detention Basin	0		Private
Faith Deliverance Christian Center	02-0244.1	MWHITE02 - 2022-05-11 12:38:01 -- BMP is in good condition and regularly maintained. ;	05/11/2022	No	Detention Basin	0		Private
Fayton-Sutherlin Bldg	08-0089.1	MWHITE02 - 2022-05-11 15:16:41 -- BMP is well maintained. ;	05/11/2022	No	Extended Detention Basin	0		Private
Fayton-Sutherlin Bldg	08-0089.3	MWHITE02 - 2022-05-12 08:19:50 -- Minimal sediment visible in drop inlet.;	05/11/2022	No	Manufactured Treatment Device	0		Private
Solid Rock Church parking	10-0034.1	MWHITE02 - 2022-05-11 12:48:56 -- Grassy maintained. Hard to distinguish and drain slowly based on history but function properly.;	05/11/2022	No	Infiltration Practices	0		Private
Solid Rock Church parking	10-0034.2	MWHITE02 - 2022-05-11 12:54:33 -- Grassy, maintained. Hard to distinguish and drains slowly based on history but functions properly.;	05/11/2022	No	Infiltration Practices	0		Private
Macedonia Christian Church	T116.1	MWHITE02 - 2022-05-11 12:59:55 -- BMP is maintained, no trash or debris, overflows to the ditch/creek at the back of the parking lot. ;	05/11/2022	No	Detention Basin	0		Private
Covenant Presbyterian Church	T448.1	MWHITE02 - 2022-05-11 14:36:57 -- BMP is well maintained. ;	05/11/2022	No	Detention Basin	0		Private
Covenant Presbyterian Church	T448.2	MWHITE02 - 2022-05-11 14:38:03 -- BMP is well maintained. ;	05/11/2022	No	Detention Basin	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.1	MWHITE02 - 2022-05-11 13:34:37 -- BMP is maintained, minimal debris in the structure.;	05/11/2022	No	Bioretention 1	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.2	MWHITE02 - 2022-05-11 13:51:27 -- BMP is maintained, vegetation is struggling and may need to be replanted in the future. ;	05/11/2022	No	Bioretention 1	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.3	MWHITE02 - 2022-05-11 14:13:59 -- BMP is maintained. ;	05/11/2022	No	Bioretention 2	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.4	MWHITE02 - 2022-05-11 14:10:21 -- BMP is maintained, keep an eye on the vegetation, it's very sparse.;	05/11/2022	No	Bioretention 1	0		Private
Utilities Combined Ops	S106.1	MWHITE02 - 2022-06-08 13:43:51 -- Inlet pipes visible but submerged, erosion around the banks, minor trash. ;	05/11/2022	No	Extended Detention Basin	0		Public
Utilities Combined Ops	S106.2	MWHITE02 - 2022-06-09 14:10:03 -- Inlet pipes not visible, heavily eroded side slopes, outlet not visible, some trash, lots of goose poop in and around the basin. ;	05/11/2022	No	Extended Detention Basin	0		Public
Mixed Use Development Church St.	14-0080.1	MWHITE02 - 2022-05-12 09:55:53 -- BMP is well maintained, monitor accumulation of sediment at the inlets (minor right now);	05/12/2022	No	Detention Basin	0		Private
Fayton-Sutherlin Bldg	08-0089.2	MWHITE02 - 2022-05-12 08:30:57 -- BMP is well maintained. ;	05/12/2022	No	Infiltration Practices	0		Private
Rebuild and Convenience Store Additi	12-0013.1	MWHITE02 - 2022-05-12 09:39:20 -- BMP is well maintained, minor trash but it is picked up on a regular basis.;	05/12/2022	No	Infiltration Practices	0		Private
Woodland Avenue Baptist Church	12-0048.1	MWHITE02 - 2022-05-12 10:16:53 -- Please remove accumulated sediment and debris from in and around the drop inlets. Please remove signs from blocking the flow path. Please remove inlet protection. ;	05/12/2022	Yes	Infiltration Practices	0		Private
Mixed Use Development Church St.	14-0080.2	MWHITE02 - 2022-05-12 09:59:51 -- BMP is well maintained. ;	05/12/2022	No	Permeable Pavement 1	0		Private
Herald of His Comming Church	00-4505.1	MWHITE02 - 2022-05-16 08:53:04 -- Basin in good condition, rained heavily the night before inspection. ;	05/16/2022	No	Infiltration Practices	0		Private
3350 E. Princess Anne Rd. Walmart-V	13-0074.1	MWHITE02 - 2022-05-16 09:29:27 -- BMP functioning well, completely drained after heavy rainfall the night before the inspection. ;	05/16/2022	No	Bioretention	0		Private
3350 E. Princess Anne Rd. Walmart-V	13-0074.2	MWHITE02 - 2022-05-16 09:40:04 -- BMP well maintained, holding water after heavy rain the night before the inspection. ;	05/16/2022	No	Bioretention	0		Private
Parking Lot	T792.1	MWHITE02 - 2022-05-16 15:10:29 -- BMP is well maintained. ;	05/16/2022	No	Infiltration Practices	0		Private
Church Street Executive Office Park	04-0112.1	MWHITE02 - 2022-05-17 09:37:38 -- Please clear/thin vegetation blocking the inlets. Please remove trash and debris. ;	05/17/2022	No	Wet Pond	0		Private
Titustown Recreation Center	00-4462.1	MWHITE02 - 2022-05-17 14:36:13 -- PM scheduled for July, vegetation overgrown. ;	05/17/2022	Yes	Extended Detention Basin	0		Public
Pump Station 34 Replacement	10-0036.1	MWHITE02 - 2022-05-17 14:22:32 -- Swale is well maintained. ;	05/17/2022	No	Grass Channel	0		Public
Norfolk Fitness and Wellness Center	T217.1	MWHITE02 - 2022-05-17 15:16:18 -- Some overgrown vegetation and accumulated sediment in and around inlet pipe. PM in July. ;	05/17/2022	No	Detention Basin	0		Public
Sewells Point GC Entrance	S71.1	MWHITE02 - 2022-05-17 14:51:34 -- BMP is well maintained. ;	05/17/2022	No	Detention Basin	0		Public
Sewells Point GC Entrance	S71.2	MWHITE02 - 2022-05-17 15:01:11 -- BMP is well maintained. ;	05/17/2022	No	Detention Basin	0		Public

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Parking Lot	11-0032.1	MWHITE02 - 2022-05-18 07:41:19 -- BMP is functioning, holding some water after rain the night before. ; MWHITE02 - 2022-05-18 07:45:22 -- Some debris in second basin, could not access first because of a parked car. Put in WO for preventative maintenance.;	05/18/2022	No	Infiltration Practices	0		Public
Granby High School Renovations	T345.1	MWHITE02 - 2022-05-18 14:07:49 -- BMP is well maintained. ;	05/18/2022	No	Infiltration Practices	0		School
Granby High School Renovations	T345.2	MWHITE02 - 2022-05-18 14:30:52 -- BMP is well maintained. ;	05/18/2022	No	Infiltration Practices	0		School
Granby High School Renovations	T345.3	MWHITE02 - 2022-05-18 14:32:28 -- See last year's report about missing drop inlets for .2 and .3. Some re-accumulation of leaf litter, but functioning well after heavy rain. ;	05/18/2022	No	Infiltration Practices	0		School
Granby High School Renovations	T345.4	MWHITE02 - 2022-05-18 14:16:22 -- BMP is well maintained. ;	05/18/2022	No	Infiltration Practices	0		School
Trail of the Tiger Exhibit	07-0126.1	MWHITE02 - 2022-05-18 14:40:58 -- Filter cartridges still need to be replaced, waiting on the zoo to allocate funds. Have been in contact with them on this issue since last year. ;	05/18/2022	Yes	Manufactured Treatment Device	0		Public
Lafayette Park Basin	S101.1	MWHITE02 - 2022-05-18 15:13:28 -- BMP functioning well after heavy rain the night before, minimal debris around the outfall, flow path established from sidewalk. ;	05/18/2022	No	Detention Basin	0		Public
Zoo-Animal Wellness Center	11-0082.2	MWHITE02 - 2022-05-20 14:12:02 -- BMP is well maintained. ;	05/19/2022	No	Detention Basin	0		Public
Zoo-Animal Wellness Center	11-0082.3	MWHITE02 - 2022-05-20 14:12:12 -- BMP is well maintained. ;	05/19/2022	No	Detention Basin	0		Public
Zoo-Animal Wellness Center	11-0082.4	MWHITE02 - 2022-05-19 15:28:41 -- BMP is in good condition.;	05/19/2022	No	Detention Basin	0		Public
Virginia Zoo Exhibit Building Renovati	17-0019.1	MWHITE02 - 2022-05-19 14:18:09 -- Bioretention is well maintained. ;	05/19/2022	No	Bioretention 1	0		Public
MCNUTT COURT POND	S105.1	MWHITE02 - 2022-05-19 09:09:17 -- Inlet pipe almost buried by sediment accumulation, outlet pipe very high and impacted by a tree, basin will need regrading. WOs will be placed once Josh looks at the structures. ;	05/19/2022	Yes	Detention Basin	0		Public
MCNUTT COURT POND	S105.2	MWHITE02 - 2022-05-19 09:12:32 -- Inlet pipe needs to be flushed and outlet pipe needs to be looked at. Will have Josh look when looking at the other one. ;	05/19/2022	Yes	Detention Basin	0		Public
Zoo-Animal Wellness Center	11-0082.1	MWHITE02 - 2022-05-20 14:09:56 -- BMP is well maintained. Some accumulated sediment at inlets and one spot of erosion, pointed out to zoo staff and will be addressed. ;	05/20/2022	No	Detention Basin	0		Public
Crossroads Elementary Rebuild	10-0031.1	MWHITE02 - 2022-05-23 13:13:53 -- BMP well maintained. ;	05/23/2022	No	Permeable Pavement	0		School
Crossroads Elementary Rebuild	10-0031.2	MWHITE02 - 2022-05-23 13:15:38 -- BMP well maintained. ;	05/23/2022	No	Cisterns and Rain Barrels	0		School
Virginia Zoological Park, Phase I	T473.1	MWHITE02 - 2022-05-23 07:42:46 -- BMP maintained in September, passes inspection. Unable to open access points. Need to use the zoo's backhoe in next inspection to inspect all access points. ;	05/23/2022	No	Sand Filter	0		Public
RSG Roofing Supply	03-0033.1	MWHITE02 - 2022-05-24 08:19:01 -- Please remove concrete containers from bank of the BMP where they are causing erosion. ;	05/24/2022	Yes	Extended Detention Basin	0		Private
Parkdale Channel Improvements	15-0011.1	MWHITE02 - 2022-05-24 09:20:56 -- Channel dredged/widened in the spring, in good condition. ;	05/24/2022	No	Stream Restoration	0		Public
Greek Orthodox Church	91067.012.1	MWHITE02 - 2022-05-25 14:05:20 -- Infiltration basin is well maintained. ;	05/25/2022	No	Infiltration Practices	0		Private
711	T161.1	MWHITE02 - 2022-05-25 13:41:38 -- Ok, downspouts tied in and ug infiltration is functioning. ;	05/25/2022	No	Infiltration Practices	0		Private
Townhouses	T291.1	MWHITE02 - 2022-05-25 13:24:34 -- Downspouts are attached and BMP is functioning. ;	05/25/2022	No	Infiltration Practices	0		Private
Norfolk Fire Training Facility	19-0082.1	MWHITE02 - 2022-05-25 13:10:44 -- BMP came online in March, in good condition. Grass still filling in somewhat. ;	05/25/2022	No	Compost Amendment	0		Public
Greek Orthodox Church	T86.1	MWHITE02 - 2022-05-26 08:04:22 -- Swale is in good condition, concrete portion that has accumulated debris in the past was clear.;	05/26/2022	No	Grass Channel	0		Private
The Anchorage-South Hampton Road	T158.1	MWHITE02 - 2022-05-27 15:20:19 -- BMP is maintained, there is some minor litter and debris. ;	05/27/2022	No	Detention Basin	0		Private
HRT Station Wards Corner	T402.1	MWHITE02 - 2022-05-27 14:45:49 -- BMP is in good condition.;	05/27/2022	No	Detention Basin	0		Private
Tabernacle Church	T537.1	MWHITE02 - 2022-05-27 15:00:49 -- BMP is well maintained. ;	05/27/2022	No	Extended Detention Basin	0		Private
Langley Federal Credit Union	T455.1	MWHITE02 - 2022-05-31 13:06:21 -- Please remove accumulated sediment from the curb cut inlets and curbline. Please remove or replace the inlet protection on the grates. ;	05/31/2022	Yes	Infiltration Practices	0		Private
Target Expansion	07-0103.1	MWHITE02 - 2022-06-01 11:07:35 -- Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	06/01/2022	Yes	Manufactured Treatment Device	1	06-16-2022	Private
Aspire at East Beach Senior Housing	18-0102.1	ADOAN - 2022-06-22 15:02:17 -- 2022-06-01: Final construction inspection and initial site inspection. Contractor flushed and vactored piping and Barracuda. BMP in good condition. ;	06/01/2022	No	Manufactured Treatment Device	0		Private
Commonwealth Building Materials	T285.1	MWHITE02 - 2022-06-02 07:28:22 -- Hay bales in good condition, appears to have been maintained. ;	06/02/2022	No	Infiltration Practices	0		Private
Strip Mall - JANAF	T379.1	MWHITE02 - 2022-06-02 09:36:38 -- Please remove accumulated sediment from along the gutter and curb line along the detention basin. Please remove trash and debris from along the embankment and throughout the basin. ;	06/02/2022	Yes	Detention Basin	0		Private
Mount Pleasant Baptist Church Parkir	T593.1	MWHITE02 - 2022-06-02 09:28:34 -- BMP is well maintained. ;	06/02/2022	No	Detention Basin	0		Private
Colley Bay Living Shoreline	11-0048.1	MWHITE02 - 2022-06-03 14:50:38 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? no
 9.Is there a considerable amount of litter and debris present? no
 10.Are passive water access sites in good condition? n/a
 ;	06/03/2022	No	Shoreline Management	0		Public

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Colley Bay Living Shoreline	11-0048.2	MWHITE02 - 2022-06-03 14:57:48 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? some wrack
 9.Is there a considerable amount of litter and debris present? some litter and debris
 10.Are passive water access sites in good condition?
 ;	06/03/2022	No	Shoreline Management	0		Public
Volunteer Project Colley Bay Living Sh	V1.1	MWHITE02 - 2022-06-03 14:11:44 -- Concrete debris doubling as rip rap and along shoreline
 1.Is there considerable erosion between the low marsh and riprap? No
 2.Is there a large amount of accumulated sediment on the riprap? No
 3.Is there considerable erosion along the high marsh or buffer edge? No
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? some wrack, not super heavy
 9.Is there a considerable amount of litter and debris present? yes
 10.Are passive water access sites in good condition? n/a
 ;	06/03/2022	No	Shoreline Management	0		Public
Consolidated Courts Complex	10-0060.4	MWHITE02 - 2022-06-07 08:08:57 -- WO put in to be maintained. Will reinspect in August with the other courts BMPs.;	06/07/2022	Yes	Manufactured Treatment Device	0		Public
NPD 2nd Precinct Training Center	T276.1	MWHITE02 - 2022-06-07 15:06:41 -- Pond is in good condition. Portion of inlet pipe in the water is broken but is not causing any issues. ;	06/07/2022	No	Wet Pond	0		Public
Continous Flow Intersection	S72.1	MWHITE02 - 2022-06-07 14:18:45 -- Contractor should be doing maintenance work in June/July. Includes fence repair, maintenance of frag, thinning of cattails, and removal of trash and debris. ;	06/07/2022	No	Extended Detention Basin	0		Public
Stormwater Pump Station 12	S70.1	MWHITE02 - 2022-06-07 08:23:08 -- WO made for separator to be maintained. WO# 22-018273.;	06/07/2022	Yes	Manufactured Treatment Device	0		Public
Kennebaeck Ave Azalea Garden Rd D	16-0060.1	MWHITE02 - 2022-06-07 15:19:17 -- PM for June, WO completed 6/6/22. ;	06/07/2022	No	Manufactured Treatment Device	0		Public
Knitting Mill Creek Living Shoreline	13-0050.1	MWHITE02 - 2022-06-07 07:57:40 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? yes
 9.Is there a considerable amount of litter and debris present? yes
 10.Are passive water access sites in good condition? n/a
 ;	06/07/2022	No	Shoreline Management	0		Public
North Shore Road Living Shoreline	17-0023.1	MWHITE02 - 2022-06-07 08:37:01 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes, somewhat still trying to take in a couple of spots
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? no
 9.Is there a considerable amount of litter and debris present? one piece of floating dock had washed up, removed by Peter Mack and I the day after my inspection
 10.Are passive water access sites in good condition? yes
 ;	06/07/2022	No	Shoreline Management	0		Public
North Shore Road Living Shoreline	17-0023.2	MWHITE02 - 2022-06-07 11:05:53 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? minor wrack accumulation
 9.Is there a considerable amount of litter and debris present? very little (clean up for litter and wrack planned for the day after my inspection)
 10.Are passive water access sites in good condition? n/a
 ;	06/07/2022	No	Shoreline Management	0		Private
Hermitage Living Shoreline	17-0063.1	MWHITE02 - 2022-06-07 12:40:38 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? no- viewed at high tide and mostly underwater but still sparser than desired
 5.Is the high marsh well vegetated and thriving? somewhat
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? no
 9.Is there a considerable amount of litter and debris present? no
 10.Are passive water access sites in good condition? no
 ;	06/07/2022	No	Shoreline Management	0		Private
Hermitage Living Shoreline	17-0063.2	MWHITE02 - 2022-06-07 14:03:41 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes- somewhat underwater from high tide
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? no
 9.Is there a considerable amount of litter and debris present? no
 10.Are passive water access sites in good condition? n/a
 ;	06/07/2022	No	Shoreline Management	0		Public
Larchmont Elementary School	14-0084.1	MWHITE02 - 2022-06-13 07:57:23 -- Address erosion around the inlet pipe. ;	06/09/2022	Yes	Wet Pond	0		School
Christopher Court	92067.043.1	MWHITE02 - 2022-06-09 15:00:28 -- Structures are clean and flow is clear. Working on gaining access to detention basin to be able to lay eyes on it. ;	06/09/2022	Yes	Detention Basin	0		Public

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Templar Boulevard Ditch Restoration	16-0046.1	MWHITE02 - 2022-06-09 15:13:20 -- Ditch is in good condition. ;	06/09/2022	No	Other Retrofit- Stormwater Treatment	0		Public
5th-7th Bay Redevelopment	16-0013.3	MWHITE02 - 2022-06-13 09:31:09 -- BMP is in good condition. ;	06/13/2022	No	Infiltration 2	0		Public
5th-7th Bay Redevelopment	16-0013.4	MWHITE02 - 2022-06-13 09:32:10 -- BMP is in good condition. ;	06/13/2022	No	Infiltration 2	0		Public
5th-7th Bay Redevelopment	16-0013.5	MWHITE02 - 2022-06-13 08:59:31 -- Please clean out the inlet between 2505 and 2509. Please repair and clean the clean out ports as needed.;	06/13/2022	Yes	Infiltration 2	0		Public
5th-7th Bay Redevelopment	16-0013.6	MWHITE02 - 2022-06-13 09:18:07 -- Please maintain the Crystal Storm Vault in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	06/13/2022	Yes	Manufactured Treatment Device	0		Public
Parker Ave. Drainage Improvements	18-0073.1	MWHITE02 - 2022-06-13 08:40:24 -- WO placed to maintain Hydroguard. ;	06/13/2022	Yes	Manufactured Treatment Device	0		Public
Myrtle Park Imprvts-Richmond Cres-L	12-0042.1	MWHITE02 - 2022-06-13 08:22:31 -- 1.Is there considerable erosion between the low marsh and riprap? no
 2.Is there a large amount of accumulated sediment on the riprap? no
 3.Is there considerable erosion along the high marsh or buffer edge? no
 4.Is the low marsh well vegetated and thriving? yes
 5.Is the high marsh well vegetated and thriving? yes
 6.Is the buffer zone well vegetated and thriving? yes (somewhat limited buffer zone)
 7.Is there a noticeable presence of aquatic life in the shoreline? yes
 8.Is there a large amount of wrack accumulation that may hinder plant survival? yes
 9.Is there a considerable amount of litter and debris present? no
 10.Are passive water access sites in good condition? yes
 ;	06/13/2022	No	Shoreline Management	0		Public
Norfolk Yacht and Country Club	00-4333.1	MWHITE02 - 2022-06-14 13:00:26 -- Please inspect and maintain the Vortech unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	06/14/2022	Yes	Manufactured Treatment Device	0		Private
Infinitee Day School	00-4467.1	MWHITE02 - 2022-06-14 11:13:22 -- Infiltration swale functioning and well maintained. Dry after rain yesterday. ;	06/14/2022	No	Infiltration Practices	0		Private
Mallory Country Club	01-0019.1	MWHITE02 - 2022-06-14 11:04:58 -- BMP is well maintained.;	06/14/2022	No	Infiltration Practices	0		Private
Ronald McDonald House	01-0031.1	MWHITE02 - 2022-06-14 11:01:15 -- BMP is well maintained. ;	06/14/2022	No	Bioretention	0		Private
First Baptist Church of Bolling Brook	01-0057.1	MWHITE02 - 2022-06-14 12:32:58 -- Infiltration is functioning, not wet after rain yesterday. ;	06/14/2022	No	Infiltration Practices	0		Private
Norfolk Collegiate Middle School	03-0042.1	MWHITE02 - 2022-06-15 13:34:49 -- BMP is well maintained, minor accumulation of sediment, some weeds throughout. ;	06/15/2022	No	Infiltration Practices	0		Private
Norfolk Collegiate Middle School	03-0042.2	MWHITE02 - 2022-06-15 13:31:48 -- BMP is in good condition.;	06/15/2022	No	Infiltration Practices	0		Private
Ghent Arms	03-0169.1	MWHITE02 - 2022-06-15 14:57:08 -- BMP is well maintained. ;	06/15/2022	No	Infiltration Practices	0		Private
Walmart @ Tidewater	05-0074.1	MWHITE02 - 2022-06-15 14:04:56 -- Please maintain the Vortechnics unit according to the manufacturer's specifications and provide a copy of the maintenance record. ; MWHITE02 - 2022-06-15 14:08:35 -- Ignore previous comment, was intended for .2. BMP is well maintained. ;	06/15/2022	No	Wet Pond	0		Private
Walmart @ Tidewater	05-0074.2	MWHITE02 - 2022-06-15 14:15:36 -- Please maintain the Vortechnics unit according to the manufacturer's specifications and provide a copy of the maintenance record.; MWHITE02 - 2022-06-15 14:19:48 -- Could not access due to shipping container. ;	06/15/2022	Yes	Manufactured Treatment Device	0		Private
Walmart @ Tidewater	05-0074.3	MWHITE02 - 2022-06-15 14:21:16 -- Please maintain the Vortechnics unit according to the manufacturer's specifications and provide a copy of the maintenance record.;	06/15/2022	Yes	Manufactured Treatment Device	0		Private
Southwind Apartments	08-0001.1	MWHITE02 - 2022-06-15 14:44:09 -- BMP is well maintained. ;	06/15/2022	No	Wet Pond	0		Private
Orapax Inn	08-0026.1	MWHITE02 - 2022-06-15 15:01:59 -- BMP is well maintained, not holding water after rain yesterday.;	06/15/2022	No	Permeable Pavement	0		Private
Blessed Sacrament Church addition	10-0004.1	MWHITE02 - 2022-06-15 15:17:15 -- BMP is well maintained. ;	06/15/2022	No	Bioretention	0		Private
Duplex	03-0096.1	MWHITE02 - 2022-06-16 09:20:42 -- BMP is well maintained.;	06/16/2022	No	Infiltration Practices	0		Private
Norfolk Christian School	05-0153.1	MWHITE02 - 2022-06-16 08:15:22 -- BMP is well maintained. Keep an eye on vegetation growth within the basin. ;	06/16/2022	No	Detention Basin	0		Private
Riverpoint Condos	05-0176.1	MWHITE02 - 2022-06-16 07:45:52 -- U/G infiltration trench in courtyard. BMP appears maintained. ;	06/16/2022	No	Infiltration Practices	0		Private
Medical Center	06-0092.1	MWHITE02 - 2022-06-16 07:27:27 -- BMPs (bioretention x 2) are behind the buildings. Behind locked gates but appear maintained and functioning. Not holding water after rain the day before. ;	06/16/2022	No	Bioretention	0		Private
Grantham Square	06-0117.1	MWHITE02 - 2022-06-16 07:35:25 -- Pervious pavement is maintained and there is not much sediment. There are a couple of asphalt patches (repairs) that have been mentioned before. ;	06/16/2022	No	Permeable Pavement	0		Private
Grantham Square	06-0117.2	MWHITE02 - 2022-06-16 07:39:15 -- BMP maintained, downspouts connected. ;	06/16/2022	No	Infiltration Practices	0		Private
Fine Arts Center - Norfolk Collegiate	11-0002.1	MWHITE02 - 2022-06-16 10:03:48 -- BMP is well maintained. ;	06/16/2022	No	Permeable Pavement	0		Private
Watermark at Talbot Park - Ph. I	15-0036.1	MWHITE02 - 2022-06-16 10:48:20 -- BMP is well maintained. Minor sediment accumulation but maintenance seems to be on top of it. ;	06/16/2022	No	Bioretention 1	0		Private
Watermark at Talbot Park - Ph. I	15-0036.2	MWHITE02 - 2022-06-16 10:59:05 -- BMP is well maintained. Minor sediment accumulation but maintenance seems to be on top of it. ;	06/16/2022	No	Bioretention 1	0		Private
Watermark at Talbot Park - Ph. I	15-0036.3	MWHITE02 - 2022-06-16 11:01:25 -- BMP is well maintained. Minor sediment accumulation in gutterline but maintenance seems to be on top of it. ;	06/16/2022	No	Bioretention 1	0		Private
Ballentine Elementary School Lake	S2.1	MWHITE02 - 2022-06-16 10:19:48 -- BMP is well maintained.;	06/16/2022	No	Wet Pond	0		Public
Norfolk Christian Soccer Field	15-0058.1	MWHITE02 - 2022-06-16 08:32:35 -- BMP is well maintained. ;	06/16/2022	No	Grass Channel	0		Private
Partrea Apartments	13-0026.1	MWHITE02 - 2022-06-21 11:58:47 -- Please maintain the Stormtech underground detention chamber system according to the manufacturer's specifications and provide a copy of the maintenance records.;	06/21/2022	Yes	Manufactured Treatment Device	0		Private
Ghent Village	14-0096.1	MWHITE02 - 2022-06-21 11:12:43 -- Swale hard to distinguish but well maintained. ;	06/21/2022	No	Grass Channel	0		Private
Partrea Site Improvements	15-0021.1	MWHITE02 - 2022-06-21 10:41:21 -- BMP is well maintained. Minimal sediment and debris. ;	06/21/2022	No	Permeable Pavement 1	0		Private
North Shore Gardens Fitness Center	18-0003.2	MWHITE02 - 2022-06-21 10:00:43 -- BMP is well maintained. ;	06/21/2022	No	Permeable Pavement 1	0		Private
North Shore Gardens Fitness Center	18-0003.1	MWHITE02 - 2022-06-21 09:54:25 -- BMP is well maintained. ;	06/21/2022	No	Permeable Pavement 1	0		Private
3 SFR Columbia Avenue	17-0068.2	MWHITE02 - 2022-06-22 12:31:51 -- NOVs issued to 1636 and 1640 Columbia Ave. Patios blocking swales. ;	06/22/2022	Yes	Detention Basin	0		Private

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3 SFR Columbia Avenue	17-0068.3	MWHITE02 - 2022-06-22 12:41:27 – Neighbors have been issued NOV for blocking swale and discharging onto this property. BMP is well maintained. Infiltration in the front, detention basin in the back;	06/22/2022	No	Detention Basin	0		Private
Mariner's Watch Apartments -Phase 1	T627.3	MWHITE02 - 2022-06-23 08:43:20 – Repair still needed/ongoing. ;	06/23/2022	Yes	Infiltration Practices	0		Private

UPDATED SWMF INFO - FACILITIES BROUGHT ONLINE FY17																
Site Title	Street Number	Street Name	Total Site Area	Total Impervious Area	SWMF ID	Ownership Type	SWMF Type	Contributing Drainage Area	Long	Lat	SWMF Maintenance Agreement	Date Online	HUC	DISCHARGES TO MS4?	IMPAIRED WATER SEGMENT DISCHARGES TO	DATE OF LAST INSPECTION
Lot 25 8033 Ransom Road	8033	RANSOM ROAD	0.23	0.07	08-0062.1	Private	Bioretention Basins	0.15	-76.1949	36.92095073	Yes	05/23/2017	CB26	N	Little Creek & Harbor	5/22/2017
Larchmont Elementary School	1145	BOLLING AVENUE	20.4	4.9	14-0084.1	School	Retention Basin	7.34	-76.2996	36.89018058	N/A	06/02/2017	JL56	N	Lafayette River (Upper)	6/1/2017
Mixed Use Development Church St.	1402	CHURCH STREET	0.64	0.29	14-0080.1	Private	Detention Basin	0.3	-76.2787	36.86050826	No	09/27/2016	JL54	Y	Elizabeth River Main Stem (Upper)	9/26/2016
Mixed Use Development Church St.	1402	CHURCH STREET	0.64	0.29	14-0080.2	Private	Permeable Pavement 1	0.3	-76.2787	36.86046308	No	09/27/2016	JL54	Y	Elizabeth River Main Stem (Upper)	9/26/2016
The Banks at Berkley	701	SOUTH MAIN STREET	2.648	1.477	14-0072.1	Private	Infiltration 2	1.31	-76.285	36.83259913	Yes	03/31/2017	JL53	Y	E. Branch Elizabeth River (Lower)	5/12/2017
The Banks at Berkley	701	SOUTH MAIN STREET	2.648	1.477	14-0072.2	Private	Infiltration 2	1.1	-76.2847	36.8328086	Yes	03/31/2017	JL53	Y	E. Branch Elizabeth River (Lower)	5/12/2017
NRHA Broad Creek Ph. 5	2800	CARY AVENUE	17.44	9.02	14-0022.1	Private	Extended Detention Basin	1.34	-76.2552	36.85827913	Yes	10/28/2016	JL56	Y	Lafayette River (Upper)	2/28/2017
Metro Towing Company, Inc.	5870	CURLEW DRIVE	0.89	0.79	14-0094.1	Private	Permeable Pavement 1	0.3	-76.2036	36.84203786	Yes	03/20/2017	JL54	Y	Broad Creek E. Branch Elizabeth River	3/20/2017
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.1	Private	Dry Swale 2	0.14	-76.1981	36.92965414	Yes	04/19/2017	CB26	Y	Little Creek & Harbor	4/18/2017
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.2	Private	Dry Swale 2	0.032	-76.1981	36.92965414	Yes	04/19/2017	CB26	Y	Little Creek & Harbor	4/18/2017
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.3	Private	Dry Swale 2	0.031	-76.1981	36.92965414	Yes	04/19/2017	CB26	Y	Little Creek & Harbor	4/18/2017
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.4	Private	Rooftop (Impervious Surface) Disconnection	0.02	-76.1981	36.92965414	Yes	04/19/2017	CB26	Y	Little Creek & Harbor	4/18/2017
Watermark at Talbot Park - Ph. I	7201	NEWPORT AVENUE	5.61	4.16	15-0036.1	Private	Bioretention 1	0.97	-76.2807	36.91008039	Yes	12/09/2016	JL56	Y	Lafayette River (Upper)	6/2/2017
Watermark at Talbot Park - Ph. I	7201	NEWPORT AVENUE	5.61	4.16	15-0036.2	Private	Bioretention 1	0.51	-76.2807	36.91008039	Yes	12/09/2016	JL56	Y	Lafayette River (Upper)	6/2/2017
Watermark at Talbot Park - Ph. I	7201	NEWPORT AVENUE	5.61	4.16	15-0036.3	Private	Bioretention 1	0.19	-76.2807	36.91008039	Yes	12/09/2016	JL56	Y	Lafayette River (Upper)	6/2/2017
Roper Home Parking Lot	127	E 40TH STREET	0.615	0.08	15-0008.1	Private	Permeable Pavement 2	0.12	-76.2804	36.88308749	Yes	02/22/2017	JL56	Y	Lafayette River (Upper)	2/22/2017
Clairmont Apartments	1050	BERKLEY AVENUE EX	9.29	4.24	15-0006	Private	Retention Basin	8.16	-76.2706	36.82730399	Yes	05/31/2017	JL54	Y	Unsegmented Estuaries in EBEMH	5/31/2017
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.4	Private	Grass Channel	0.09	-76.194	36.93011919	Yes	12/16/2016	CB26	Y	Little Creek & Harbor	12/16/2016
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.5	Private	Grass Channel	0.1	-76.194	36.93011919	Yes	01/24/2017	CB26	Y	Little Creek & Harbor	1/24/2017
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.6	Private	Grass Channel	0.09	-76.194	36.93011919	Yes	01/24/2017	CB26	Y	Little Creek & Harbor	1/24/2017
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.7	Private	Grass Channel	0.09	-76.194	36.93011919	Yes	11/16/2016	CB26	Y	Little Creek & Harbor	11/16/2016
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.8	Private	Grass Channel	0.15	-76.194	36.93011919	Yes	10/25/2016	CB26	Y	Little Creek & Harbor	10/25/2016
Milton Point at Kimball Terrace Shipyard	2401	KIMBALL TERRACE	14.66	5.53	15-0046.1	Private	Dry Swale 1	1.2	-76.2622	36.84267071	Yes	01/13/2017	JL54	N	E. Branch Elizabeth River (Lower)	1/12/2017
Milton Point at Kimball Terrace Shipyard	2401	KIMBALL TERRACE	14.66	5.53	15-0046.2	Private	Dry Swale 1	1.44	-76.2609	36.84234286	Yes	01/13/2017	JL54	N	E. Branch Elizabeth River (Lower)	1/12/2017
Milton Point at Kimball Terrace Shipyard	2401	KIMBALL TERRACE	14.66	5.53	15-0046.3	Private	Dry Swale 1	0.4	-76.2612	36.8429257	Yes	01/13/2017	JL54	N	E. Branch Elizabeth River (Lower)	1/12/2017
Partrea Site Improvements	701	EASY STREET	0.6	0.36	15-0021.1	Private	Permeable Pavement 1	0.14	-76.2547	36.90804337	Yes	05/17/2017	JL56	Y	Lafayette River (Upper)	5/16/2017
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.7	1.33	15-0059.1	Private	Bioretention Urban	0.13	-76.1927	36.87493863	Yes	06/28/2017	JL54	Y	Broad Creek E. Branch Elizabeth River	6/15/2017
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.7	1.33	15-0059.2	Private	Permeable Pavement 1	0.13	-76.1927	36.87499021	Yes	06/28/2017	JL54	Y	Broad Creek E. Branch Elizabeth River	6/15/2017
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.7	1.33	15-0059.3	Private	Grass Channel	0.21	-76.1926	36.87485063	Yes	06/28/2017	JL54	Y	Broad Creek E. Branch Elizabeth River	6/15/2017
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.7	1.33	15-0059.4	Private	Rooftop (Impervious Surface) Disconnection	0.14	-76.193	36.87477781	Yes	06/28/2017	JL54	Y	Broad Creek E. Branch Elizabeth River	6/15/2017
Norfolk Christian Soccer Field	255	THOLE STREET	2.96	0.25	15-0058.1	Private	Grass Channel	0.8	-76.2726	36.90469989	Yes	05/12/2017	JL56	N	Lafayette River (Upper)	5/12/2017

UPDATED SWMF INFO - FACILITIES BROUGHT ONLINE FY18																
Site Title	Street Number	Street Name	Total Site Area	Total Impervious Area	SWMF ID	Ownership Type	SWMF Type	Contributing Drainage Area	Long	Lat	SWMF Maintenance Agreement	Date Online	HUC	DISCHARGES TO MS4?	IMPAIRED WATER SEGMENT DISCHARGES TO	DATE OF LAST INSPECTION
13th Bay Street Duplex	9538	13TH BAY STREET	0.2	0.11	17-0081.1	Private	Other SWMF	0.2	-76.2029368	36.92936193	N/A	06/11/2018	CB26	Y	Little Creek & Harbor	3/12/2018
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.1	Private	Grass Channel	0.08	-76.1939513	36.93011919	Yes	09/27/2017	CB26	Y	Little Creek & Harbor	11/2/2017
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.2	Private	Grass Channel	0.09	-76.1939513	36.93011919	Yes	08/10/2017	CB26	Y	Little Creek & Harbor	12/12/2017
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.3	Private	Grass Channel	0.09	-76.1939513	36.93011919	Yes	08/11/2017	CB26	Y	Little Creek & Harbor	12/11/2017
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.9	Private	Rooftop (Impervious Surface) Disconnection	0.12	-76.1939513	36.93011919	Yes	09/27/2017	CB26	Y	Little Creek & Harbor	3/22/2018
9535 6th Bay Duplex	9536	6TH BAY STREET	0.26	0.01	14-0095.1	Private	Rooftop (Impervious Surface) Disconnection	0.17	-76.2114715	36.93121982	No	01/25/2018	CB26	Y	Little Creek & Harbor	3/22/2018
7th Bay St. Duplex	9565	7TH BAY STREET	0.17	0.103	17-0083.1	Private	Other SWMF	0.17	-76.2098428	36.93185682	N/A	05/04/2018	CB26	Y	Little Creek & Harbor	12/12/2017
CIRS Facility	900	ASBURY AVENUE	3.44	3.35	16-0106.1	Private	Wet Pond 1	4.32	-76.2503849	36.91189902	Yes	03/05/2018	CB26	Y	Lafayette River - Upper	1/25/2018
CIRS Facility	900	ASBURY AVENUE	3.44	3.35	16-0106.2	Private	Manufactured BMP Systems	4.32	-76.2504761	36.91164426	Yes	03/05/2018	CB26	Y	Lafayette River - Upper	10/20/2017
901 Ballentine Boulevard Parking Lot	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.1	Private	Bioretention 1	0.1245	-76.2490707	36.85035176	Yes	09/26/2017	JL54	Y	Eastern Branch Elizabeth R. - Lower	4/6/2018
901 Ballentine Boulevard Parking Lot	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.2	Private	Bioretention 1	0.0872	-76.2492423	36.85022298	Yes	09/26/2017	JL54	Y	Eastern Branch Elizabeth R. - Lower	9/28/2017
901 Ballentine Boulevard Parking Lot	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.3	Private	Bioretention 2	0.1669	-76.2487059	36.85030025	Yes	09/26/2017	JL54	Y	Eastern Branch Elizabeth R. - Lower	8/10/2017
901 Ballentine Boulevard Parking Lot	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.4	Private	Bioretention 1	0.2188	-76.2489526	36.85007703	Yes	09/26/2017	JL54	Y	Eastern Branch Elizabeth R. - Lower	8/11/2017
Oaks at Elmhurst	4820	BEAMON ROAD	1.37	0.57	14-0070.1	Private	Other SWMF	1.44	-76.2318938	36.87983847	No	10/16/2017	JL56	Y	Lafayette River - Upper	9/27/2017
Oaks at Elmhurst	4820	BEAMON ROAD	1.37	0.57	14-0070.2	Private	Grassed Swale	0.81	-76.2320655	36.8801874	No	10/16/2017	JL56	Y	Lafayette River - Upper	7/16/2018
450 Boush St. Mixed Use Development	450	BOUSH STREET	0.74	0.74	15-0002.1	Private	Detention Basin	0.71	-76.2902801	36.8527939	No	10/20/2017	JL54	Y	Elizabeth River Mainstem - Upper	9/26/2017
Rockefeller Apartments	252	BOUSH STREET	0.23	0.22	16-0019.1	Private	Manufactured BMP Systems	0.2	-76.2920718	36.84929492	Yes	02/07/2018	JL56	Y	Elizabeth River Mainstem - Upper	9/26/2017
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.1	Private	Manufactured BMP Systems	0.32	-76.2783228	36.86662805	N/A	12/12/2017	JL56	Y	Lafayette River - Upper	9/26/2017
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.2	Private	Manufactured BMP Systems	0.11	-76.2774913	36.86656736	N/A	12/12/2017	JL56	Y	Lafayette River - Upper	9/26/2017
Starbucks - The Corner Shops	2000	COLONIAL AVENUE	0.39	0.29	16-0063.1	Private	Bioretention Urban	0.05	-76.2918358	36.86845041	Yes	01/10/2018	JL56	Y	Elizabeth River Mainstem - Upper	10/16/2017
Starbucks - The Corner Shops	2000	COLONIAL AVENUE	0.39	0.29	16-0063.2	Private	Permeable Pavement 1	0.01	-76.2918975	36.86854752	Yes	01/10/2018	JL56	Y	Elizabeth River Mainstem - Upper	10/16/2017
210 E. 22nd St. - 36 Apts.	210	E 22ND STREET	0.7	0.46	16-0036.1	Private	Other SWMF	0.66	-76.2825875	36.86779634	N/A	09/26/2017	JL56	Y	Elizabeth River Mainstem - Upper	12/12/2017
Norfolk Courts Rear Access	811	E CITY HALL AVENUE	2.89	2.58	16-0105.1	Public	Infiltration 1	0.087	-76.2846207	36.84639796	No	12/20/2017	JL54	Y	Eastern Branch Elizabeth R. - Lower	12/12/2017
Captain's Landing	929	E OCEAN VIEW AVENUE	3.57	2.06	15-0039.1	Private	Infiltration 1	3.59	-76.2411689	36.94701224	Yes	04/23/2018	CB26	Y	Chesapeake Bay Beaches	4/23/2018
McCoy Duplex	2040	E OCEAN VIEW AVENUE	0.2663	0.0946	16-0018.1	Private	Infiltration 1	0.1854	-76.2171738	36.93690573	Yes	03/07/2018	CB26	Y	Chesapeake Bay Beaches	3/5/2018
Front Street Apartments	519	FRONT STREET	1.4	0.95	14-0064.1	Private	Manufactured BMP Systems	0.47	-76.3003438	36.85363725	Yes	06/13/2018	JL56	Y	Elizabeth River Mainstem - Upper	3/5/2018
Granby Townhomes	3239-3245	GRANBY STREET	0.236	0.137	16-0011.1	Private	Bioretention 1	0.24	-76.2821584	36.87688372	Yes	08/28/2017	JL56	Y	Lafayette River - Upper	2/7/2018
Dunkin Donuts	8410	HAMPTON BOULEVARD	0.33	0.27	15-0051	Private	Bioretention Basins	0.34	-76.3176655	36.9294483	Yes	12/27/2017	JL57	Y	James River at Hampton Roads Harbor	3/22/2018
Barraud Park Pump Station #153	2509	HANSON AVENUE	0.24	0.07	14-0002.1	Public	Dry Swale 1	0.15	-76.2645095	36.86468618	N/A	03/26/2018	JL56	Y	Lafayette River - Upper	7/6/2018
Barraud Park Pump Station #153	2509	HANSON AVENUE	0.24	0.07	14-0002.2	Public	Permeable Pavement 1	0.08	-76.2645041	36.86474687	N/A	03/26/2018	JL56	Y	Lafayette River - Upper	9/28/2017
United Disposal Laydown Yard	5835	HARGROVE STREET	0.411	0.324	17-0064.2	Private	Other SWMF	0.411	-76.2051413	36.84398592	N/A	12/19/2017	JL54	Y	Unsegmented estuaries in EBEMH	12/14/2017
Herbert St Subdivision	3214	HERBERT STREET	0.68	0.33	Herbert St. S	Private	Grass Channel	0.34	-76.2296032	36.88278558	No	09/28/2017	JL56	Y	Lafayette River - Upper	3/21/2018
Jehovah's Witnesses Parking Lot Improvements	959	INGLESIDE ROAD	0.6837	0.3992	14-0057.1	Private	Grassed Swale	0.18	-76.2384733	36.85176649	No	08/15/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	3/21/2018
Jehovah's Witnesses Parking Lot Improvements	959	INGLESIDE ROAD	0.6837	0.3992	14-0057.2	Private	Grassed Swale	0.15	-76.2386369	36.85189701	No	08/15/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	1/31/2018
Dollar General	1540	INTERNATIONAL BOULEVARD	1.44	0.8	17-0010.1	Private	Other SWMF	0.8	-76.2268566	36.89686828	No	11/30/2017	CB26	Y	Lake Whitehurst (PWS)	5/8/2018
Chartway Federal Credit Union	132	KEMPSVILLE ROAD	1.01	0.64	16-0035.1	Private	Infiltration 1	0.46	-76.1876105	36.84259315	Yes	11/16/2017	JL54	Y	Unsegmented estuaries in EBEMH	6/13/2018
Chartway Federal Credit Union	132	KEMPSVILLE ROAD	1.01	0.64	16-0035.2	Private	Infiltration 2	0.394	-76.1873048	36.84248994	Yes	11/16/2017	JL54	Y	Unsegmented estuaries in EBEMH	6/13/2018
New Horizon Outreach Ministries	1575	KERREY AVENUE	0.606	0.323	16-0088.1	Private	General Infiltration Practices	0.11	-76.2298727	36.87078454	Yes	09/20/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	6/13/2018
New Horizon Outreach Ministries	1575	KERREY AVENUE	0.606	0.323	16-0088.2	Private	Other SWMF	4791	-76.2298727	36.87078454	Yes	09/20/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	12/28/2017
Lafayette Boulevard Streetscape Improvements	2115	LAFAYETTE BOULEVARD	1.51	1	16-0025.1	Public	Manufactured BMP Systems	0.27	-76.26104	36.87693019	N/A	03/22/2018	JL56	Y	Lafayette River - Upper	12/28/2017
Metro Machine - Lot D Parking	200	LIGON STREET	0.95	0.68	14-0060.1	Private	Detention Basin	0.96	-76.2887048	36.83764426	Yes	12/12/2017	JL53	Y	Southern Branch Elizabeth R. - Lower	12/15/2017
Reeves Avenue Substation Improvements	1724	LOVITT AVENUE	1.39	1.39	17-0035.1	Private	Other SWMF	1.39	-76.2732845	36.84209085	N/A	11/03/2017	JL54	Y	Eastern Branch Elizabeth R. - Lower	12/20/2017
Ocean View Elementary School	9501	MASON CREEK ROAD	25.8	5.03	14-0085.1	School	Wet Pond 1	5.4	-76.2604593	36.95501876	N/A	08/31/2017	JL57	Y	Chesapeake Bay Beaches	4/10/2018
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.1	Private	Manufactured BMP Systems	1.93	-76.2093954	36.86051958	Yes	09/18/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	4/10/2018
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.2	Private	Manufactured BMP Systems	1.37	-76.2094437	36.86066526	Yes	09/18/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	4/10/2018
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.3	Private	Other SWMF	0.5	-76.2097763	36.86103552	Yes	09/18/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	3/7/2018
1081 Military Hwy Retail Shops	1081	N MILITARY HIGHWAY	0.825	0.65	15-0031.1	Private	Manufactured BMP Systems	0.2	-76.2109752	36.85842429	Yes	06/07/2018	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	2/6/2018
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.1	Public	Dry Swale 2	0.57	-76.2558486	36.85802862	N/A	06/13/2018	JL56	Y	Lafayette River - Upper	2/6/2018
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.2	Public	Bioretention 1	0.96	-76.2557494	36.85737304	N/A	06/13/2018	JL56	Y	Lafayette River - Upper	3/5/2018
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.3	Public	Grassed Swale	0.44	-76.2557815	36.85682364	N/A	06/13/2018	JL56	Y	Lafayette River - Upper	3/5/2018
Norchester Pump Station No. 116 Replacement	935	NORCHESTER STREET	0.142	0.083	13-0023.1	Public	Grassed Swale	0.024	-76.255296	36.85007	Yes	03/22/2018	JL54	Y	Eastern Branch Elizabeth R. - Lower	3/5/2018
Norchester Pump Station No. 116 Replacement	935	NORCHESTER STREET	0.142	0.083	13-0023.2	Public	Grassed Swale	0.048	-76.2552786	36.84998197	Yes	03/22/2018	JL54	Y	Eastern Branch Elizabeth R. - Lower	3/5/2018
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.1	Private	Retention Basin	19.38	-76.1978887	36.8832248	No	09/26/2017	CB26	Y	Lake Wright	3/5/2018
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.2	Private	Retention Basin	24.4	-76.2019979	36.87950889	Yes	09/26/2017	CB26	Y	Lake Wright	3/5/2018
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.3	Private	Retention Basin	4.55	-76.1974274	36.88268416	Yes	09/26/2017	CB26	Y	Lake Wright	3/26/2018
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.4	Public	Bioretention 2	1.22	-76.2033605	36.88032417	N/A	09/26/2017	CB26	Y	Lake Wright	3/26/2018
Premium Outlets Boulevard	5992	NORTHAMPTON BOULEVARD	6.36	1.92	15-0043.1	Public	Manufactured BMP Systems	0.73	-76.1931681	36.87763799	N/A	09/25/2017	JL54	Y	Lake Wright	6/13/2018
Premium Outlets Boulevard	5992	NORTHAMPTON BOULEVARD	6.36	1.92	15-0043.2	Public	Manufactured BMP Systems	1.19	-76.1949705	36.88041857	N/A	09/25/2017	JL54	Y	Lake Wright	11/30/2017
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.1	Private	Bioretention 2	0.12	-76.2223773	36.93591375	Yes	08/10/2017	CB26	Y	Little Creek & Harbor	9/18/2017
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.2	Private	Bioretention 2	0.11	-76.2225007	36.93597439	Yes	08/10/2017	CB26	Y	Little Creek & Harbor	9/18/2017
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.3	Private	Bioretention 2	0.11	-76.2226589	36.9360229	Yes	08/10/2017	CB26	Y	Little Creek & Harbor	9/18/2017
2617 Pleasant Ave Duplex	2617	PLEASANT AVENUE	0.23	0.13	17-0036.1	Private	Other SWMF	0.18	-76.2097672	36.93225417	N/A	12/19/2017	CB26	Y	Little Creek & Harbor	3/15/2018
Popular Hall Trail		POPLAR HALL CIRCLE	0.92	0.42	16-0049.1	Public	Other SWMF	0.92	-76.2120723	36.84888221	N/A	12/15/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	3/15/2018
East Coast Appliance	5671	Raby Road	0.91	0.73	16-0030	Private	Permeable Pavement 1	0.68	-76.211462	36.86046633	Yes	12/14/2017	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	9/26/2017
Lot 24 8037 Ransom Road	8037	RANSOM ROAD	0.23	0.07	08-0063.1	Private	Bioretention Basins	0.16	-76.1944556	36.920417	Yes	12/11/2017	CB26	Y	Little Creek & Harbor	11/16/2017
Colonna's Shipyard New Spotico Creek Facility	151	South Main Street	6.74	2.68	15-0062.1	Private	Manufactured BMP Systems	0.7	-76.2813994	36.83855112	Yes	03/21/2018	JL54	Y	Eastern Branch Elizabeth R. - Lower	11/16/2017
Colonna's Shipyard New Spotico Creek Facility	151	South Main Street	6.74	2.68	15-0062.2	Private	Dry Swale 1	5	-76.2830329	36.83714518	Yes	03/21/2018	JL54	Y	Eastern Branch Elizabeth R. - Lower	11/3/2017
Newtowne South Townhomes	6601	Stoney Point Way	1.9	0.68	06-0036.1	Private	Detention Basin	1.9	-76.1820153	36.85113987	Yes	03/19/2018	JL54	Y	Unsegmented estuaries in EBEMH	12/19/2017
Tarrallton Park Improvements	2100	TARRALLTON DRIVE	41.6	6.68	07-0031.1	Public	General Infiltration Practices	1.3	-76.2203859	36.92489048	No	11/02/2017	CB26	Y	Little Creek & Harbor	12/19/2017
YMCA Gym Addition	312	W BUTE STREET	1.7	1.32	16-0117.1	Private	Manufactured BMP Systems	0.2	-76.2946253	36.85332022	Yes	03/26/2018	JL56	Y	Elizabeth River Mainstem - Upper	12/19/2017
YMCA Gym Addition	312	W BUTE STREET	1.7	1.32	16-0117.2	Private	Manufactured BMP Systems	0.12	-76.2946012	36.85310775	Yes	03/26/2018	JL56	Y	Elizabeth River Mainstem - Upper	3/26/2018
Little Creek Storage	801	W LITTLE CREEK ROAD	1.3	0.99	16-0027.1	Private	Other SWMF	0.215	-76.2892716	36.91589201	Yes	01/31/2018	JL56	Y	Lafayette River - Upper	3/26/2018
Berkley Basketball Court	706	WALKER AVENUE	0.16	0.07	09-0015.1	Public	General Infiltration Practices	0.12	-76.2774536	36.8286339	No	12/12/2017	JL53	Y	Eastern Branch Elizabeth R. - Lower	5/4/2018
8011-8015 Woodall Rd Duplex	8011	WOODALL ROAD	0.41	0.213	17-0057.1	Private	Other SWMF	0.43	-76.1980374	36.92053002	N/A	12/19/2017	CB26	N	Little Creek & Harbor	6/11/2018

UPDATED SWMF INFO - FACILITIES BROUGHT ONLINE FY19																	
Site Title	Street Number	Street Name	Total Site Area	Total Impervious Area	SWMF ID	Ownership Type	SWMF Type	Contributing Drainage Area	Long	Lat	SWMF Maintenance Agreement	Date Online	HUC	Discharges to MS4?	Impaired Water Segment Discharges to?	Date of Last Inspection
Gethsemane Community Fellowship Baptist Church Bldg Addition	1317	E BRAMBLETON AVENUE	0.27	0.177	12-0064.1	Private	Constructed Stormwater Wetland	0.27	-76.2727	36.84693559	Yes	07/09/2018	JL54	Y	Eastern Branch Elizabeth R. - Lower	7/9/2018
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.1	Private	Bioretention 1	1.11	-76.1834	36.84958622	Yes	10/29/2018	JL54	Y	Unsegmented estuaries in EBEMH	10/29/2018
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.2	Private	Bioretention 1	1.32	-76.1825	36.84978655	Yes	10/29/2018	JL54	Y	Unsegmented estuaries in EBEMH	10/29/2018
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.3	Private	Bioretention 1	1.52	-76.1834	36.85140916	Yes	10/29/2018	JL54	Y	Unsegmented estuaries in EBEMH	10/29/2018
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.4	Private	Bioretention 1	1.15	-76.1841	36.85082537	Yes	10/29/2018	JL54	Y	Unsegmented estuaries in EBEMH	10/29/2018
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.5	Private	Bioretention 1	1.6	-76.1844	36.85157228	Yes	10/29/2018	JL54	Y	Unsegmented estuaries in EBEMH	10/29/2018
Food Bank Paving Addition	800	TIDEWATER DRIVE	0.37	0.19	15-0048.1	Private	Bioretention 1	0.15	-76.2739	36.85224276	Yes	07/19/2018	JL54	Y	Unsegmented estuaries in EBEMH	7/19/2018
14th Bay Street Residential	9547 9553	14th Bay Street	0.373	0.242	16-0037.1	Private	Bioretention Urban	0.12	-76.2022	36.92936079	Yes	04/22/2019	CB26	Y	Little Creek & Harbor	4/22/2019
14th Bay Street Residential	9547 9553	14th Bay Street	0.373	0.242	16-0037.2	Private	Bioretention Basins	0.03	-76.2022	36.92936254	Yes	04/22/2019	CB26	Y	Little Creek & Harbor	4/22/2019
14th Bay Street Residential	9547 9553	14th Bay Street	0.373	0.242	16-0037.3	Private	Bioretention Urban	0.03	-76.2022	36.92938827	Yes	04/22/2019	CB26	Y	Little Creek & Harbor	4/22/2019
14th Bay Street Residential	9547 9553	14th Bay Street	0.373	0.242	16-0037.3	Private	Bioretention Urban	0.03	-76.2022	36.92938827	Yes	04/22/2019	CB26	Y	Little Creek & Harbor	4/22/2019
14th Bay Street Residential	9547 9553	14th Bay Street	0.373	0.242	16-0037.4	Private	Bioretention Urban	0.03	-76.2023	36.92938507	Yes	04/22/2019	CB26	Y	Little Creek & Harbor	4/22/2019
ODU Barry Art Museum	1075	43RD STREET	0.97	0.75	16-0094.1	Private	Bioretention 1	0.2	-76.3019	36.88317331	Yes	08/15/2018	JL56	Y	Lafayette River - Upper	8/15/2018
ODU Barry Art Museum	1075	43RD STREET	0.97	0.75	16-0094.2	Private	Wet Pond 1	0.44	-76.3018	36.88284721	Yes	08/15/2018	JL56	Y	Lafayette River - Upper	8/15/2018
Virginia Zoo Exhibit Building Renovation	3500	GRANBY STREET	0.24	0.1	17-0019.1	Public	Bioretention 1	0.19	-76.2755	36.87649099	Yes	02/04/2019	JL56	Y	Lafayette River - Upper	2/4/2019
Sunshine Villas	1218	W OCEAN VIEW AVENUE	0.334	0.3	17-0016.1	Private	Bioretention Basins	0.03	-76.2852	36.96803587	Yes	11/02/2018	CB26	Y	10th View Beach	11/2/2018
Arts Apartments	123	W VIRGINIA BEACH BOULEVARD	0.676	0.56	16-0052.1	Private	Detention Basin	0.2015	-76.289	36.85715967	Yes	04/15/2019	JL56	Y	Elizabeth River Mainstem - Upper	4/5/2019
IKEA	6000	NORTHAMPTON BOULEVARD	18.871	15.41	17-0014.1	Private	Infiltration 2	5.22	-76.2019	36.87536368	Yes	04/04/2019	CB26	Y	Lake Wright	4/4/2019
IKEA	6000	NORTHAMPTON BOULEVARD	18.871	15.41	17-0014.2	Private	Infiltration 2	10.82	-76.2009	36.87589579	Yes	04/04/2019	CB26	Y	Lake Wright	4/4/2019
Royal Farms	5516	RABY ROAD	3.216	2.08	16-0115.1	Private	Detention Basin	1.26	-76.2191	36.85711243	Yes	12/28/2018	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	12/27/2018
Royal Farms	5516	RABY ROAD	3.216	2.08	16-0115.2	Private	Detention Basin	0.87	-76.2196	36.85645078	Yes	12/28/2018	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	12/27/2018
Royal Farms	5516	RABY ROAD	3.216	2.08	16-0115.3	Private	Detention Basin	0.87	-76.2206	36.85651755	Yes	12/28/2018	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	12/27/2018
Royal Farms	5516	RABY ROAD	3.216	2.08	16-0115.4	Private	Other SWMF	3.5	-76.2206	36.85651755	Yes	12/28/2018	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	NA - Credit Purchase
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.9	16-0098.1	Private	Permeable Pavement 1	0.06	-76.2851	36.8522047	Yes	04/02/2019	JL56	Y	Eastern Branch Elizabeth R. - Lower	4/2/2019
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.9	16-0098.2	Private	Permeable Pavement 1	0.05	-76.2842	36.8523079	Yes	04/02/2019	JL56	Y	Eastern Branch Elizabeth R. - Lower	4/2/2019
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.9	16-0098.3	Private	Infiltration 1	1.99	-76.2843	36.85201652	Yes	04/02/2019	JL56	Y	Eastern Branch Elizabeth R. - Lower	4/2/2019
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.9	16-0098.4	Private	Infiltration 1	1.14	-76.2829	36.85195642	Yes	04/02/2019	JL56	Y	Eastern Branch Elizabeth R. - Lower	4/2/2019
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.9	16-0098.5	Private	Other SWMF	5.52	-76.2832	36.8518534	Yes	04/02/2019	JL56	Y	Eastern Branch Elizabeth R. - Lower	NA - Credit Purchase
Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.1	Public	Infiltration 1	0.08	-76.2405	36.94458878	N/A	11/02/2018	CB26	Y	Chesapeake Bay Beaches	11/2/2018
Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.2	Public	Infiltration 1	0.11	-76.2407	36.94469186	N/A	11/02/2018	CB26	Y	Chesapeake Bay Beaches	11/2/2018
Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.3	Public	Infiltration 1	0.14	-76.2408	36.94471914	N/A	11/02/2018	CB26	Y	Chesapeake Bay Beaches	11/2/2018
Food Bank Paving Addition	800	TIDEWATER DRIVE	0.37	0.19	15-0048.2	Private	Detention Basin	0.29	-76.2737	36.85218283	Yes	07/19/2018	JL54	Y	Eastern Branch Elizabeth R. - Lower	7/19/2018
Harbor Park Picnic Area	150	PARK AVENUE	0.3	0.22	16-0065.1	Public	Manufactured BMP Systems	0.46	-76.2775	36.84278267	Yes	02/14/2019	JL54	Y	Eastern Branch Elizabeth R. - Lower	2/14/2019
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	4.27	2.26	17-0039.1	Private	Manufactured BMP Systems	0.98	-76.1816	36.85345186	Yes	10/15/2018	JL54	Y	Unsegmented estuaries in EBEMH	10/15/2018
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	4.27	2.26	17-0039.2	Private	Manufactured BMP Systems	2.6	-76.1819	36.8529298	Yes	10/15/2018	JL54	Y	Unsegmented estuaries in EBEMH	10/15/2018
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	4.27	2.26	17-0039.3	Private	Other SWMF	2.6	-76.182	36.85337622	Yes	10/15/2018	JL54	Y	Unsegmented estuaries in EBEMH	NA - Credit Purchase
1424, 1426, & 1428 W Ocean View Ave.	1426	W OCEAN VIEW AVENUE	0.82	0.33	16-0102.1	Private	Infiltration 1	0.38	-76.2922	36.96733302	Yes	05/01/2019	CB26	Y	13th View Beach	5/1/2019
Valley Self Storage Additional Buildings	1117	VALLEY DRIVE	0.97	0.84	17-0012.1	Private	Infiltration 1	0.41	-76.212	36.86004652	Yes	11/26/2018	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	11/26/2019
Valley Self Storage Additional Buildings	1117	VALLEY DRIVE	0.97	0.84	17-0012.2	Private	Infiltration 1	0.36	-76.2118	36.86023469	Yes	11/26/2018	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	11/26/2019
1855 Kingston Ave. Duplex	1855	KINGSTON AVENUE	0.168	0.0804	16-0097.1	Private	Infiltration 2	0.12	-76.224	36.93759918	Yes	06/07/2019	CB26	Y	Chesapeake Bay Beaches	6/6/2019
1855 Kingston Ave. Duplex	1855	KINGSTON AVENUE	0.168	0.0804	16-0097.2	Private	Infiltration 1	0.05	-76.2241	36.93728732	Yes	06/07/2019	CB26	Y	Chesapeake Bay Beaches	6/6/2019
3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	0.34	0.145	17-0043.1	Private	Bioretention 1	0.1605	-76.2404	36.94448989	Yes	08/20/2018	CB26	Y	Chesapeake Bay Beaches	8/20/2018
3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	0.34	0.145	17-0043.2	Private	Bioretention 2	0.1278	-76.2404	36.94448989	Yes	08/20/2018	CB26	Y	Chesapeake Bay Beaches	8/20/2018
3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	0.34	0.145	17-0043.3	Private	Permeable Pavement 1	0.0248	-76.2404	36.94448989	Yes	08/20/2018	CB26	Y	Chesapeake Bay Beaches	8/20/2018
3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	0.34	0.145	17-0043.4	Private	Permeable Pavement 2	0.0373	-76.2404	36.94448989	Yes	08/20/2018	CB26	Y	Chesapeake Bay Beaches	8/20/2018
2607 Colonial Ave.	2607	COLONIAL AVENUE	1.3738	1.132	17-0052.1	Private	Other SWMF	1.2	-76.2904	36.87369305	Yes	02/11/2019	JL56	Y	Lafayette River - Upper	2/11/2019
2607 Colonial Ave.	2607	COLONIAL AVENUE	1.3738	1.132	17-0052.2	Private	Other SWMF	0.37	-76.2904	36.87369305	N/A	02/11/2019	JL56	Y	Lafayette River - Upper	NA - Credit Purchase
Cook Out	720	E LITTLE CREEK ROAD	0.67	0.49	17-0021.1	Private	Manufactured BMP Systems	0.28	-76.2531	36.91618339	Yes	01/11/2019	JL57	Y	Lafayette River - Upper	1/9/2019
Cook Out	720	E LITTLE CREEK ROAD	0.67	0.49	17-0021.2	Private	Other SWMF	0.28	-76.253	36.91608635	Yes	01/11/2019	JL57	Y	Lafayette River - Upper	1/9/2019
Didlake Expansion	8131	SHORE DRIVE	0.91	0.63	17-0077.1	Private	Wet Swale 1	0.465	-76.1929	36.9223026	Yes	01/18/2019	CB26	Y	Little Creek & Harbor	1/18/2019
Didlake Expansion	8131	SHORE DRIVE	0.91	0.63	17-0077.2	Private	Wet Swale 1	0.316	-76.1927	36.92191985	Yes	01/18/2019	CB26	Y	Little Creek & Harbor	1/18/2019
3 SFR Columbia Avenue	1636	COLUMBIA AVENUE	0.35	0.155	17-0068.3	Private	Detention Basin	0.115	-76.2657	36.88172631	Yes	06/14/2019	JL56	Y	Lafayette River - Upper	6/13/2019
8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	0.43	0.13	17-0072.1	Private	Bioretention 2	0.06	-76.2445	36.93708223	Yes	03/14/2019	JL57	Y	Unsegmented rivers in G15R - HR Area	11/27/2018
8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	0.43	0.13	17-0072.2	Private	Bioretention 2	0.06	-76.2442	36.93710649	Yes	11/27/2018	JL57	Y	Unsegmented rivers in G15R - HR Area	11/27/2018
8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	0.43	0.13	17-0072.3	Private	Bioretention 2	0.06	-76.2441	36.93713074	Yes	02/13/2019	JL57	Y	Unsegmented rivers in G15R - HR Area	11/27/2018
13th Bay Street Duplex	9538	13TH BAY STREET	0.2	0.11	17-0081.1	Private	Other SWMF	0.2	-76.2029	36.92936193	N/A	11/06/2018	CB26	N	Little Creek & Harbor	NA - Credit Purchase
Salvation Army Parking Lot	5525	RABY ROAD	5.79	2.28	17-0080.1	Private	Wet Pond 1	3.32	-76.218	36.85644564	Yes	05/30/2019	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	5/30/2019
Salvation Army Parking Lot	5525	RABY ROAD	5.79	2.28	17-0080.2	Private	Other SWMF	0.99	-76.2186	36.85646469	N/A	05/30/2019	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	NA - Credit Purchase
General Aviation CBP Facility	6101	BURTON STATION ROAD	1.51	0.63	18-0002.1	Private	Other SWMF	1.51	-76.1985	36.88637369	N/A	07/30/2018	CB26	Y	Lake Whitehurst (PWS)	NA - Credit Purchase
2714-2718 Pleasant Ave Duplex	2714	PLEASANT AVENUE	0.2	0.11	17-0015.1	Private	Infiltration 2	0.15	-76.2084	36.93212635	Yes	04/18/2019	CB26	Y	Little Creek & Harbor	4/18/2019
Maker's Craft Brewery	735	E 23RD STREET	1.32	0.78	18-0034.1	Private	Other SWMF	1.32	-76.2786	36.8682365	N/A	10/12/2018	JL56	Y	Lafayette River - Upper	NA - Credit Purchase
Granby St and Bayview Blvd Intersection Improvements	105	W BAYVIEW BOULEVARD	0.13	0.08	18-0031.1	Public	Other SWMF	0.15	-76.2646	36.93409919	N/A	10/18/2018	JL57	Y	Unsegmented rivers in G15R - HR Area	NA - Credit Purchase
Chenman Project	629	W 24TH STREET	1.01	0.9	18-0036.1	Private	Other SWMF	0.86	-76.294	36.87224279	N/A	10/24/2018	JL56	Y	Knitting Mill Creek	NA - Credit Purchase
Global Friendship House	1241	43RD STREET	0.577	0.333	11-0074.1	Private	Detention Basin	0.577	-76.3048	36.88308777	No	12/28/2018	JL56	Y	Lafayette River - Upper	12/28/2018
20 Rivanna Building Canopy & Drive Aisle	6315	NORTH CENTER DRIVE	0.18	0.124	18-0066.1	Private	Permeable Pavement 1	0.08	-76.1903	36.84755361	Yes	05/02/2019	JL54	Y	Unsegmented estuaries in EBEMH	5/2/2019
VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	1.57	1.4	18-0010.3	Public	Other SWMF	1.57	-76.1809	36.85462184	N/A	12/12/2018	JL54	Y	Unsegmented estuaries in EBEMH	NA - Credit Purchase
Retreat at Harbor Pointe	350	CAMPOSTELLA ROAD	8.52	6.79	18-0000.1	Private	Other SWMF	9.36	-76.263	36.83743003	N/A	12/21/2018	JL54	Y	Eastern Branch Elizabeth R. - Lower	NA - Credit Purchase
Dollar General	3350	CHESAPEAKE BOULEVARD	0.93	0.66	18-0059.1	Private	Other SWMF	0.93	-76.2496	36.87822793	N/A	12/18/2018	JL56	Y	Lafayette River - Upper	NA - Credit Purchase
Royal Farms	5516	RABY ROAD	3.216	2.08	16-0115.5	Private	Other SWMF	0.18	-76.2197	36.85654862	Yes	12/27/2018	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	12/27/2019
9544 14th Bay Street Duplex	9544	14TH BAY STREET	0.21	0.12	17-0074	Private	Rainwater Harvesting	0.07	-76.2017	36.92908991	Yes	10/22/2018	CB26	Y	Little Creek & Harbor	10/22/2018
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.5	Private	Other SWMF	0.59	-76.2418	36.94646903	N/A	01/23/2019	CB26	Y	Chesapeake Bay Beaches	NA - Credit Purchase
Rock Gym	7405	SEWELLS POINT ROAD	1.02	0.72	18-0077.1	Private	Other SWMF	1.02	-76.2462	36.91012329	N/A	02/08/2019	JL56	Y	Lafayette R., Elizabeth R. - Riverine	NA - Credit Purchase
Telecommunications Tower	1539	JOHNSTONS ROAD	0.057	0.05	18-0051	Private	Other SWMF	0.057	-76.2316	36.91011505	No	09/30/2018	CB26	Y	Lafayette R., Elizabeth R. - Riverine	NA - Credit Purchase
River Tower at Harbor's Edge	1	COLLEY AVENUE	3.95	2.68	18-0061-.3	Private	Other SWMF	3.95	-76.305	36.85694	Yes	01/02/2019	JL54	Y	Elizabeth River Main Stem - Middle	NA - Credit Purchase
4535 E Princess Anne Road-Tidewater Tech parking expansion	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.3	Private	Other SWMF	0	761406.4	365156.5	Yes	04/23/2019	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	NA - Credit Purchase
4535 E Princess Anne Road-Tidewater Tech parking expansion	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.4	Private	Other SWMF	0	761406.4	365156.5	Yes	04/12/2019	JL54	Y	Broad Creek, Eastern Br. Elizabeth R.	NA - Credit Purchase
WNOR Tower Replacement	600	E INDIAN RIVER ROAD	6.67	0.06	19-0006.1	Private	Other SWMF	0	-76.2693	36.83396	Yes	06/07/2019	JL54	Y	Unsegmented rivers in G15R - HR Area	NA - Credit Purchase

UPDATED SWMF INFO - FACILITIES BROUGHT ONLINE FY2020																	
Site Title	Street Number	Street Name	Total Site Area	Total Impervious Area	SWMF ID	Ownership Type	SWMF Type	Contributing Drainage Area	Long	Lat	SWMF Maintenance Agreement	Date Online	HUC	Discharges to MS4?	Imparied Water Segment Discharges to?	Date of Last Inspection
Coastal Villas by the Bay	7922	SHORE DRIVE	1.65	1.18	15-0025.3	Private	Grass Channel	0.27	-76.19242	36.91891579	Yes	08/15/2019	CB26	Y	Little Creek & Harbor	08/15/2019
Coastal Villas by the Bay	7922	SHORE DRIVE	1.65	1.18	15-0025.1	Private	Bioretention 2	0.77	-76.19242	36.91891579	Yes	08/19/2019	CB26	Y	Little Creek & Harbor	08/19/2019
Coastal Villas by the Bay	7922	SHORE DRIVE	1.65	1.18	15-0025.2	Private	Grass Channel	0.33	-76.19242	36.91891579	Yes	08/15/2019	CB26	Y	Little Creek & Harbor	08/15/2019
4013 Colley Mixed Use	4013	COLLEY AVENUE	0.39	0.25	16-0109.1	Private	Permeable Pavement 1	0.19	-76.29525	36.88200088	Yes	11/25/2019	JL56	Y	Knitting Mill Creek	11/25/2019
4013 Colley Mixed Use	4013	COLLEY AVENUE	0.39	0.25	16-0109.2	Private	Other SWMF	0.39	-76.29525	36.88200088	Yes	11/25/2019	JL56	Y	Knitting Mill Creek	11/25/2019
1st View St. - 3 SFR	9225	1ST VIEW STREET	0.432	0.162	17-0028.1	Private	Rooftop (Impervious Surface) Disconnection	0.07	-76.26477	36.94782749	Yes	12/10/2019	JL57	Y	Willoughby Bay (Less Beach Areas)	12/10/2019
1st View St. - 3 SFR	9225	1ST VIEW STREET	0.432	0.162	17-0028.2	Private	Rooftop (Impervious Surface) Disconnection	0.07	-76.26463	36.94788789	Yes	12/10/2019	JL57	Y	Willoughby Bay (Less Beach Areas)	12/10/2019
1st View St. - 3 SFR	9225	1ST VIEW STREET	0.432	0.162	17-0028.3	Private	Rooftop (Impervious Surface) Disconnection	0.07	-76.26451	36.94795719	Yes	12/10/2019	JL57	Y	Willoughby Bay (Less Beach Areas)	12/10/2019
Coastal Services	805	FORD DRIVE	1.4	1.23	17-0056.1	Private	Rooftop (Impervious Surface) Disconnection	0.19	-76.25318	36.83234789	Yes	01/06/2020	JL54	Y	Steamboat Creek	01/06/2020
3 SFR Columbia Avenue	1636	COLUMBIA AVENUE	0.35	0.155	17-0068.2	Private	Detention Basin	0.117	-76.26591	36.88166827	Yes	08/15/2019	JL56	Y	Lafayette River - Upper	08/15/2019
Wawa at Newtown	701	N NEWTOWN ROAD	2.58	2.03	18-0008.1	Private	Detention Basin	0.83	-76.18052	36.8489149	Yes	12/11/2019	JL54	Y	Unsegmented Estuary in Eastern Branch Elizabeth River	12/11/2019
Wawa at Newtown	701	N NEWTOWN ROAD	2.58	2.03	18-0008.2	Private	Manufactured BMP Systems	0.19	-76.18037	36.84912738	Yes	12/11/2019	JL54	Y	Unsegmented Estuary in Eastern Branch Elizabeth River	12/11/2019
Wawa at Newtown	701	N NEWTOWN ROAD	2.58	2.03	18-0008.3	Private	Other SWMF	2.58	-76.18065	36.84918202	N/A	12/11/2019	JL54	Y	Unsegmented Estuary in Eastern Branch Elizabeth River	12/11/2019
1718 EOV Duplex	1718	E OCEAN VIEW AVENUE	0.23	0.11	18-0009.1	Private	Bioretention 2	0.1	-76.22663	36.93986306	Yes	10/10/2019	CB26	Y	Ocean View Beaches	10/10/2019
1718 EOV Duplex	1718	E OCEAN VIEW AVENUE	0.23	0.11	18-0009.2	Private	Detention Basin	0.1	-76.22655	36.93982723	Yes	10/10/2019	CB26	Y	Ocean View Beaches	10/10/2019
1718 EOV Duplex	1718	E OCEAN VIEW AVENUE	0.23	0.11	18-0009.3	Private	Other SWMF	0.23	-76.22648	36.94007253	N/A	10/10/2019	CB26	Y	Ocean View Beaches	10/10/2019
Priority Ford	3340	N MILITARY HIGHWAY	5.71	5.2	18-0013.1	Private	Manufactured BMP Systems	2.58	-76.21688	36.88742892	Yes	06/01/2020	CB26	Y	Lake Whitehurst (PWS)	06/01/2020
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.1	Private	Bioretention 2	0.14	-76.24181	36.94668646	Yes	09/17/2019	CB26	Y	Chesapeake Bay Beaches	09/17/2019
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.2	Private	Bioretention 2	0.12	-76.24172	36.94654792	Yes	09/17/2019	CB26	Y	Chesapeake Bay Beaches	09/17/2019
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.3	Private	Bioretention 2	0.12	-76.24174	36.94639201	Yes	09/17/2019	CB26	Y	Chesapeake Bay Beaches	09/17/2019
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.4	Private	Bioretention 2	0.14	-76.2418	36.94626207	Yes	09/17/2019	CB26	Y	Chesapeake Bay Beaches	09/17/2019
1101 E Leicester Avenue-3 lot SF subdivision	1101	E LEICESTER AVENUE	0.85	0.18	18-0029.1	Private	Rooftop (Impervious Surface) Disconnection	0.05	-12143078	3510524.65	Yes	06/08/2020	CB26	Y	Willoughby Bay (Less Beach Areas)	06/08/2020
1101 E Leicester Avenue-3 lot SF subdivision	1101	E LEICESTER AVENUE	0.85	0.18	18-0029.2	Private	Rooftop (Impervious Surface) Disconnection	0.05	-12143078	3510524.65	Yes	06/08/2020	CB26	Y	Willoughby Bay (Less Beach Areas)	06/08/2020
1101 E Leicester Avenue-3 lot SF subdivision	1101	E LEICESTER AVENUE	0.85	0.18	18-0029.3	Private	Rooftop (Impervious Surface) Disconnection	0.05	-12143045	3510527.44	Yes	06/08/2020	CB26	Y	Willoughby Bay (Less Beach Areas)	06/08/2020
1101 E Leicester Avenue-3 lot SF subdivision	1101	E LEICESTER AVENUE	0.85	0.18	18-0029.4	Private	Rooftop (Impervious Surface) Disconnection	0.05	-12143009	3510516.89	Yes	06/08/2020	CB26	Y	Willoughby Bay (Less Beach Areas)	06/08/2020
1101 E Leicester Avenue-3 lot SF subdivision	1101	E LEICESTER AVENUE	0.85	0.18	18-0029.5	Private	Rooftop (Impervious Surface) Disconnection	0.05	-12142997	3510520.43	Yes	06/08/2020	CB26	Y	Willoughby Bay (Less Beach Areas)	06/08/2020
1101 E Leicester Avenue-3 lot SF subdivision	1101	E LEICESTER AVENUE	0.85	0.18	18-0029.6	Private	Rooftop (Impervious Surface) Disconnection	0.05	-12142950	3510517.98	Yes	06/08/2020	CB26	Y	Willoughby Bay (Less Beach Areas)	06/08/2020
VAMAC	5846	CURLEW DRIVE	0.625	0.38	18-0039.1	Private	Dry Swale 2	0.33	-76.20473	36.84200121	Yes	12/11/2019	JL54	Y	Unsegmented Estuary in Eastern Branch Elizabeth River	12/11/2019
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	24.98	0.51	18-0076.1	Private	Permeable Pavement 2	0	-12125167	3480688.479	Yes	12/03/2019	JL56	Y	Elizabeth River Main Stem - Middle	12/03/2019
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	24.98	0.51	18-0076.2	Private	Permeable Pavement 2	0	-12125230	3480654.816	Yes	12/03/2019	JL56	Y	Elizabeth River Main Stem - Middle	12/03/2019
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	24.98	0.51	18-0076.3	Private	Permeable Pavement 1	0.01	-12125173	3480640.661	Yes	12/03/2019	JL56	Y	Elizabeth River Main Stem - Middle	12/03/2019
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	24.98	0.51	18-0076.4	Private	Permeable Pavement 1	0.02	-12125173	3480640.661	Yes	12/03/2019	JL56	Y	Elizabeth River Main Stem - Middle	12/03/2019
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	24.98	0.51	18-0076.5	Private	Permeable Pavement 1	0.03	-12125173	3480640.661	Yes	12/03/2019	JL56	Y	Elizabeth River Main Stem - Middle	12/03/2019
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	24.98	0.51	18-0076.6	Private	Permeable Pavement 2	0.11	-76.30414	36.8621	Yes	12/03/2019	JL56	Y	Elizabeth River Main Stem - Middle	12/03/2019
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	24.98	0.51	18-0076.7	Private	Permeable Pavement 2	0.32	-76.30414	36.8621	Yes	12/03/2019	JL56	Y	Elizabeth River Main Stem - Middle	12/03/2019
5764 E Virginia Beach Blvd-Discount Tire	5764	E VIRGINIA BEACH BOULEVARD	1.08	0.83	18-0080.1	Private	Wet Pond 1	0.08	761225.1	365122.22	Yes	06/09/2020	JL54	Y	Broad Creek, Eastern Branch Elizabeth River	06/09/2020
5764 E Virginia Beach Blvd-Discount Tire	5764	E VIRGINIA BEACH BOULEVARD	1.08	0.83	18-0080.2	Private	Other SWMF	0	761226.7	365121.47	Yes	06/09/2020	JL54	Y	Broad Creek, Eastern Branch Elizabeth River	06/09/2020
Villa Marina Apartments	8142	SHORE DRIVE	3.76	2.63	18-0085.1	Private	Permeable Pavement 1	0.57	-76.19144	36.92287748	Yes	06/01/2020	CB26	Y	Little Creek & Harbor	06/01/2020
Villa Marina Apartments	8142	SHORE DRIVE	3.76	2.63	18-0085.2	Private	Permeable Pavement 1	0.16	-76.19125	36.92241431	Yes	06/01/2020	CB26	Y	Little Creek & Harbor	06/01/2020
Villa Marina Apartments	8142	SHORE DRIVE	3.76	2.63	18-0085.3	Private	Manufactured BMP Systems	0.26	-76.19131	36.92284317	Yes	06/01/2020	CB26	Y	Little Creek & Harbor	06/01/2020
1050 N Military HWY-Aldi	1050	N MILITARY HIGHWAY	2.25	1.66	18-0092.1	Private	Other SWMF	1.1	-76.1234	36.513	Yes	12/16/2019	JL56	Y	Broad Creek, Eastern Branch Elizabeth River	12/16/2019
Christ & St Luke's Episcopal Church-Outdoor Improvements	560	W OLNEY ROAD	0.52	0.26	18-0095.2	Private	Other SWMF	0	76.17517	36.513635	Yes	11/22/2019	JL54	Y	Elizabeth River Main Stem - Upper	11/22/2019
4535 E Princess Anne Road-Tidewater Tech parking expansion	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.1	Private	Manufactured BMP Systems	1.03	761406.4	365156.5	Yes	10/15/2019	JL54	Y	Broad Creek, Eastern Branch Elizabeth River	10/15/2019
4535 E Princess Anne Road-Tidewater Tech parking expansion	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.2	Private	Manufactured BMP Systems	0	761406.4	365156.5	Yes	10/15/2019	JL54	Y	Broad Creek, Eastern Branch Elizabeth River	10/15/2019
2330 Bowdens Ferry Road-IP Configuration	2330	BOWDENS FERRY ROAD	4.47	2.12	19-0035.1	Private	Other SWMF	0	-76.30447	36.87554	Yes	11/08/2019	JL56	Y	Elizabeth River Main Stem - Middle	11/08/2019
West 38th Street Apartments	1045	38TH STREET	2.21	1.72	19-0071.2	Private	Other SWMF	0	1212629	3487089.38	Yes	03/03/2020	JL54	Y	Lafayette River - Upper	03/03/2020
Hermitage Living Shoreline	7637	NORTH SHORE ROAD	1.11	0	17-0063.1	Public	Shoreline Management	1.11	-76.31368	36.911676	NA	7/2/2019	JL56	Y	Lafayette River - Lower	5/12/2020
North Shore Road Living Shoreline	7612	North Shore Road	1.04	0	17-0023.1	Public	Shoreline Management	1.04	-76.31089	36.913477	NA	7/2/2019	JL56	Y	Lafayette River - Lower	5/12/2020
Central Business Park Pond Retrofit	910	Denison Ave	3.34	0	16-0047.1	Public	Wet Pond 2	19.6	-76.25097	36.908594	NA	11/14/2019	JL56	Y	Lafayette River - Upper	11/14/2019
Roberts Road Pond Retrofit	1398	Roberts Rd	25.79	0	16-0055.1	Public	Wet Pond 2	57.6	-76.2584	36.858567	NA	11/14/2019	JL56	Y	Lafayette River - Upper	11/4/2019
Lake Taylor Retrofit	1380	Kempsville Road	43	0	17-0004.1	Public	Wet Pond 2	1465.9	-76.20235	36.86785	NA	6/19/2020	JL54	Y	Broad Creek, Eastern Branch Elizabeth River	6/19/2020
Villa Circle Living Shoreline	2618	Villa Circle	1.55	0	16-0099.1	Public	Shoreline Management	1.55	-76.27384	36.873853	NA	5/1/2020	JL56	Y	Lafayette River - Upper	5/1/2020
Ingleside Road Ditch Retrofit	925	Ingleside Road	0.8	0.008	18-0101.1	Public	Other SWMF	1.1	-76.23657	36.849354	NA	6/1/2020	JL54	Y	Unsegmented Estuary in Eastern Branch Elizabeth River	6/1/2020

UPDATED SWMF INFO - FACILITIES BROUGHT ONLINE FY2021															
Site Title	Location	Total Site Area	Total Impervious Area	SWMF ID	Ownership Type	SWMF Type	Contributing Drainage Area	Long	Lat	SWMF Maintenance Agreement	Date Online	HUC	Discharges to MS4?	Imparied Water Segment Discharges to?	Date of Last Inspection
Norfolk Fire Training Facility	115 Thole Street	0.72	0.50	19-0082.2	Public	Credit Purchase	0.00	-76.27507525	36.90613	Yes	7/10/2020	JL56	Yes	Lafayette River - Upper	N/A
1400 Sewells Point Rd- Site Improvement	1400 Sewells Point Road	8.27	5.84	20-0037.5	Private	Credit Purchase	0.00	-76.22854106	36.86789704	N/A	7/20/2020	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A
2800 Church Street	2800 CHURCH STREET	0.59	0.34	14-0053.1	Private	Bioretention 2	0.59	-76.28039514	36.87209764	No	7/30/2020	JL56	Yes	Lafayette River - Upper	4/27/2021
LAKE TAYLOR	1380 KEMPSVILLE ROAD	43.00	0.00	17-0004.1	Public	Wet Pond 2	1,465.90	-76.20453235	36.86871876	N/A	8/1/2020	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	6/29/2021
Colley Avenue Self Storage	2300 COLLEY AVENUE	1.70	1.28	18-0048.1	Private	Infiltration Practices	1.27	-76.29521891	36.87240096	Yes	8/6/2020	JL56	Yes	Lafayette River - Upper	6/28/2021
Poplar Hall & Va Beach Blvd Sidewalk Improvments	Virginia Beach Blvd	0.34	0.24	20-0043.1	Public	Credit Offset	0.00	-76.20468695	36.85571331	N/A	9/1/2020	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A
Poplar Hall & Va Beach Blvd Sidewalk Improvments	Poplar Hall Drive	0.34	0.24	20-0043.2	Public	Credit Offset	0.00	-76.20280504	36.85437809	N/A	9/1/2020	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A
Restaurant at Bay Point Marina	9500 30th Bay Street	1.52	1.24	19-0016.1	Private	Manufactured BMP Systems	0.77	-76.1812449	36.92370418	Yes	9/8/2020	CB26	Yes	Little Creek & Harbor	9/21/2020
Lyon Shipyard Building Addition	1818 BROWN AVENUE	0.95	0.95	18-0064.1	Private	Manufactured Treatment Device	0.30	-76.27141403	36.84205624	Yes	9/9/2020	JL54	Yes	Eastern Branch, Elizabeth River- Lower Middle	7/23/2021
9 Lot Townhouse Subdivision	8210 Tidewater Drive	1.23	0.53	11-0073.1	Private	Infiltration	0.53	-76.20150757	36.86967719	Yes	9/10/2020	JL57	Yes	Willoughby Bay	N/A
Lake Taylor Middle sSchool-Parking Lot & Access Dr	1380 Kempsville Road	2.98	2.47	20-0029.1	Public	Credit Purchase	0.00	-76.28727653	36.86033306	Yes	9/10/2020	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A
Frank Spicer Building Parking Lot	119 E Princess Anne Road	0.44	0.37	20-0026.3	Private	Credit Purchase	0.00	-76.21208521	36.83879315	Yes	11/17/2020	JL56	Yes	Elizabeth River Mainstem - Upper	N/A
VIRGINIA EYE CONSULTANTS	200 Corporate Blvd	5.19	3.49	20-0075.5	Private	Credit Purchase	0.00	-76.2116927	36.87428575	Yes	11/17/2020	JL54	Yes	Unsegmented estuaries in EBEMH	3/15/2021
Continous Flow Intersection	1469 N MILITARY HIGHWAY	31.05	24.96	S72.1	Public	Extended Detention Basin	14.48	-76.19374536	36.87819621	N/A	12/15/2020	CB26	Yes	Broad Creek, Eastern Br. Elizabeth R.	3/9/2021
Apple Retail Properties	6290 NORTHAMPTON BOULEVARD	8.10	5.99	17-0030.1	Private	Wet Pond 1	7.88	-76.18975959	36.85301155	Yes	12/17/2020	CB26	Yes	Lake Wright	5/4/2021
Kempsville Behavioral Health Additions	860 KEMPSVILLE ROAD	0.93	0.37	18-0049.2	Private	Detention Basin	0.10	-76.18975959	36.85301155	Yes	1/7/2021	JL54	Yes	Unsegmented estuaries in EBEMH	5/4/2021
Kempsville Behavioral Health Additions	860 KEMPSVILLE ROAD	0.93	0.37	18-0049.1	Private	Bioretention 2	0.46	-76.24554454	36.94893666	Yes	1/7/2021	JL54	Yes	Unsegmented estuaries in EBEMH	4/7/2021
Pinewell Station Apartments	719 E OCEAN VIEW AVENUE	6.72	3.50	18-0019.1	Private	Manufactured Treatment Device	1.59	-76.24526808	36.94886077	Yes	1/8/2021	CB26	Yes	Ches Bay Beaches	1/0/1900
Pinewell Station Apartments	719 E OCEAN VIEW AVENUE	6.72	3.50	18-0019.2	Private	Credit Purchase	0.00	-76.19161605	36.85434966	N/A	1/8/2021	CB26	Yes	Ches Bay Beaches	1/13/2021
Sentara Leigh Cancer Center	6241 E VIRGINIA BEACH BOULEVARD	7.45	6.26	17-0044.1	Private	Manufactured Treatment Device	1.46	-76.19161605	36.85434966	Yes	1/13/2021	JL54	Yes	Unsegmented estuaries in EBEMH	1/13/2021
Sentara Leigh Cancer Center	6241 E VIRGINIA BEACH BOULEVARD	7.45	6.26	17-0044.2	Private	Manufactured Treatment Device	2.51	-76.24862119	36.85735946	Yes	1/13/2021	JL54	Yes	Unsegmented estuaries in EBEMH	4/15/2021
Combined Operations Facility Improvements	1316 BALLENTINE BOULEVARD	1.04	0.89	19-0001.1	Public	Manufactured Treatment Device	0.03	-76.18864038	36.92535293	Yes	1/15/2021	JL56	Yes	Lafayette River - Upper	N/A
Pretty Lake Apartments & Yacht Club	4521-4621 Pretty Lake Ave	6.96	3.28	18-0043.6	Private	Credit Purchase	0.00	-76.18850232	36.92534821	Yes	1/20/2021	CB26	Yes	Little Creek & Harbor	N/A
OASIS WATERLINE	4521 and 4621 Pretty Lake Ave	0.07	0.06	20-0078.1	Private	Credit Purchase	0.00	-76.25582379	36.90995563	N/A	1/20/2021	CB26	Yes	Little Creek & Harbor	N/A
Green Clean	7442 Tidewater Drive	1.36	0.91	20-0059.1	Private	Credit Purchase	0.00	-76.20600343	36.93097094	Yes	1/27/2021	JL56	Yes	Lafayette River - Upper	2/22/2021
9560 10th Bay St-Duplex	9560 10TH BAY STREET	0.19	0.09	18-0025.1	Private	Infiltration 1	0.07	-76.27476848	36.83585324	No	2/11/2021	CB26	Yes	Little Creek & Harbor	N/A
Building 7 Expansion at Colonna's Shipyard	400 E. Indian River Road	0.86	0.49	20-0084.1	Private	Credit Purchase	0.00	-76.23831707	36.86510569	Yes	2/16/2021	JL53	Yes	Eastern Branch, Elizabeth R. - Upper	2/10/2021
ARTFX Building Addition	3801 E PRINCESS ANNE ROAD	6.84	5.45	17-0073.3	Private	Bioretention 1	1.48	-76.23823894	36.86512891	Yes	2/18/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	2/10/2021
ARTFX Building Addition	3801 E PRINCESS ANNE ROAD	6.84	5.45	17-0073.2	Private	Wet Swale 1	1.01	-76.23823894	36.86512891	Yes	2/18/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	2/10/2021
ARTFX Building Addition	3801 E PRINCESS ANNE ROAD	6.84	5.45	17-0073.1	Private	Bioretention 1	3.12	-76.20209335	36.87276562	Yes	2/18/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	4/8/2021
Moores Bridges WTP Chemical Feed System	6040 WATER WORKS ROAD	36.89	5.34	17-0090.2	Public	Detention Basin	5.00	-76.20195378	36.87279396	N/A	3/4/2021	CB26	Yes	Broad Creek, Eastern Br. Elizabeth R.	4/8/2021
Moores Bridges WTP Chemical Feed System	6040 WATER WORKS ROAD	36.89	5.34	17-0090.1	Public	Manufactured Treatment Device	5.00	-76.19316614	36.87351961	N/A	3/4/2021	CB26	Yes	Broad Creek, Eastern Br. Elizabeth R.	3/11/2021
Norfolk Academy Football Field	1585 WESLEYAN DRIVE	4.16	2.30	15-0044.1	Private	Permeable Pavement 1	2.30	-76.19316614	36.87351961	Yes	3/11/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	3/11/2021
Norfolk Academy Football Field	1585 WESLEYAN DRIVE	4.16	2.30	15-0044.2	Private	Infiltration 1	2.30	-76.24302579	36.92916818	Yes	3/11/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/12/2021
Sunset Dr. at Chesapeake Blvd Drainage	1011 SUNSET DRIVE	2.25	2.25	16-0048.1	Public	Manufactured Treatment Device	2.25	-76.30013638	36.8792696	N/A	4/6/2021	CB26	Yes	Little Creek & Harbor	N/A
WEST 38TH STRTEET APARTMENTS CIVIL SITE PLANS	1045 38TH Street	2.49	1.51	21-0092.2	Private	Credit Purchase	0.00	-76.27858131	36.96661394	Yes	4/6/2021	JL56	Yes	Lafayette River - Upper	4/7/2021
1009 W. Ocean View Duplex	1009 W OCEAN VIEW AVENUE	0.17	0.11	17-0076.1	Private	Infiltration Practices	0.09	-76.19792471	36.92841649	Yes	4/7/2021	JL57	Yes	Willoughby Bay - Beach Area	N/A
1009 W. Ocean View Duplex	1009 W OCEAN VIEW AVENUE	0.17	0.11	17-0076.2	Private	Infiltration Practices	0.09	-76.30232548	36.85934195	Yes	4/7/2021	JL57	Yes	Willoughby Bay - Beach Area	4/8/2021
9542 17th Bay Street Lots 13 & 14	2542 17th Bay Street	0.20	0.18	20-0085.4	Private	Credit Purchase	0.00	-76.27932969	36.86614622	Yes	4/7/2021	CB26	Yes	Little Creek & Harbor	N/A
EVMS Ed. & Admin. Bldg	315 COLLEY AVENUE	2.39	1.54	18-0006.1	Private	Bioretention 1	0.54	-76.19368112	36.87353878	Yes	4/8/2021	JL56	Yes	Elizabeth River Mainstem - Upper	4/13/2021
1855 CHURCH STREET MIXED USE DEVELOPMENT	1855 Church Street	0.39	0.34	20-0069.1	Private	Credit Purchase	0.00	-76.19310981	36.87244181	N/A	4/12/2021	JL56	Yes	Elizabeth River Mainstem - Upper	6/11/2021
Norfolk Academy Leadership Center	1585 WESLEYAN DRIVE	0.75	0.44	15-0052.1	Private	Bioretention- Urban	0.23	-76.19310981	36.87244181	Yes	4/13/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	6/11/2021
Norfolk Academy Lower School Addition	1585 WESLEYAN DRIVE	2.60	1.37	16-0031.1	Private	Bioretention- Urban	0.19	-76.19303471	36.87194416	Yes	4/13/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	4/13/2021
Norfolk Academy Lower School Addition	1585 WESLEYAN DRIVE	2.60	1.37	16-0031.2	Private	Rooftop or Impervious Surface Disconnect	0.20	-76.1932171	36.87184706	Yes	4/13/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	4/13/2021
Norfolk Academy Lower School Addition	1585 WESLEYAN DRIVE	2.60	1.37	16-0031.3	Private	Bioretention 1	0.48	-76.19368381	36.87312802	Yes	4/13/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	4/13/2021
Norfolk Academy Lower School Addition	1585 WESLEYAN DRIVE	2.60	1.37	16-0031.4	Private	Dry Swale 1	0.23	-76.19416392	36.87264070	Yes	4/13/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	4/15/2021
Norfolk Academy Refectory	1585 WESLEYAN DRIVE	0.25	0.14	16-0033.1	Private	Rooftop or Impervious Surface Disconnect	0.07	-76.24258174	36.90565817	Yes	4/13/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/3/2021
Norfolk Academy STEAM Addition	1585 Wesleyan Drive	0.07	0.02	16-0078.1	Private	Rooftop or Impervious Surface Disconnect	0.02	-76.24252039	36.90558659	Yes	4/15/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/3/2021
Mt Gilead Church parking addition	1057 Kennedy Street	0.80	0.61	18-0032.3	Private	Manufactured Treatment Device	0.80	-76.21802123	36.91398395	Yes	5/3/2021	JL56	Yes	Lafayette River - Upper	8/12/2021
Mt Gilead Church parking addition	1057 Kennedy Street	0.80	0.61	18-0032.2	Private	Manufactured Treatment Device	0.80	-76.21820152	36.91453121	Yes	5/3/2021	JL56	Yes	Lafayette River - Upper	8/12/2021
Grandy Village Phase VI	619 WILEY DRIVE	12.69	5.26	16-0034.1	Public	Wet Pond	7.71	-76.21819989	36.91450638	N/A	5/10/2021	JL54	Yes	Elizabeth River, Eastern Branch	8/12/2021
Norfolk Botanical Garden- NATO Tower Renovations	6700 Azalea Garden Road	0.81	0.21	17-0053.1	Public	Permeable Pavement	0.45	-76.21778468	36.91442308	N/A	5/11/2021	CB26	Yes	Lake Whitehurst (PWS)	8/12/2021
847-925 Ingleside Road Stormwater Retrofits	847-925 INGLESIDE ROAD	0.80	0.00	18-0101.1	Private	Compost Amendment	0.87	-76.24796319	36.84134504	No	5/11/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/11/2021
847-925 Ingleside Road Stormwater Retrofits	847-925 INGLESIDE ROAD	0.80	0.00	18-0101.2	Public	Other Retrofit- Runoff Reduction	0.87	-76.19848042	36.90345288	N/A	5/11/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/11/2021
847-925 Ingleside Road Stormwater Retrofits	847-925 INGLESIDE ROAD	0.80	0.00	18-0101.4	Public	Other Retrofit- Runoff Reduction	0.87	-76.23516495	36.84642762	No	5/11/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/11/2021
847-925 Ingleside Road Stormwater Retrofits	847-925 INGLESIDE ROAD	0.80	0.00	18-0101.3	Public	Vegetated Filter Strip	0.87	-76.23470402	36.84681317	No	5/11/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/11/2021
5th-7th Bay Redevelopment	2512 Pleasant Ave	11.16	5.71	16-0013.3	Private	Infiltration 2	1.56	-76.23470402	36.84681317	Yes	5/12/2021	CB26	Yes	Little Creek & Harbor	5/11/2021
5th-7th Bay Redevelopment	2512 Pleasant Ave	11.16	5.71	16-0013.4	Private	Infiltration 2	1.21	-76.23470402	36.84681317	Yes	5/12/2021	CB26	Yes	Little Creek & Harbor	5/11/2021
Parker Ave. Drainage Improvements	1455 38TH STREET	2.88	2.02	18-0073.1	Public	Manufactured Treatment Device	2.88	-76.21067023	36.93325662	N/A	5/13/2021	JL56	Yes	Elizabeth River Mainstem - Middle	5/12/2021
Woodland Avenue Baptist Church	2736 Woodland Ave	0.43	0.28	12-0048.1	Private	Infiltration	0.15	-76.2107294	36.93307166	No	5/14/2021	JL54	Yes	Elizabeth River, Eastern Branch	5/12/2021
5th-7th Bay Redevelopment	2512 Pleasant Ave	11.16	5.71	16-0013.2	Private	Infiltration 2	1.58	-76.30980287	36.87922885	Yes	5/14/2021	CB26	Yes	Little Creek & Harbor	5/13/2021
5th-7th Bay Redevelopment	2512 Pleasant Ave	11.16	5.71	16-0013.5	Private	Infiltration 2	0.66	-76.21139442	36.93327481	Yes	5/14/2021	CB26	Yes	Little Creek & Harbor	5/14/2021
5th-7th Bay Redevelopment	2512 Pleasant Ave	11.16	5.71	16-0013.6	Private	Manufactured Treatment Device	1.36	-76.20957052	36.93401159	Yes	5/14/2021	CB26	Yes	Little Creek & Harbor	5/14/2021
BAYLOR PARKING	118 W 26th Street	1.08	1.00	18-0093.1	Private	Manufactured Treatment Device	0.21	-76.21129787	36.93366594	Yes	5/14/2021	JL56	Yes	Lafayette River - Upper	5/14/2021
SHOREWOOD COVE- BUILDING ADDITION	295 Corporate Blvd	7.03	0.02	20-0018.1	Public	Infiltration Practices	0.61	-76.28475397	36.87108524	Yes	5/17/2021	JL56	Yes	Eastern Branch, Elizabeth R. - Upper	5/14/2021
THE FUSION MULTI-FAMILY DEVELOPMENT	225 W Olney Road	2.19	2.08	21-0005.3	Private	Credit Purchase	0.00	-76.21205093	36.83407056	Yes	5/19/2021	JL56	Yes	Elizabeth River Mainstem - Upper	5/17/2021
1400 Sewells Point Rd- Site Improvement	1400 Sewells Point Road	8.27	5.84	20-0037.1	Private	Manufactured Treatment Device	2.94	-76.29176165	36.85593901	Yes	6/8/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A
1400 Sewells Point Rd- Site Improvement	1400 Sewells Point Road	8.27	5.84	20-0037.2	Private	Manufactured Treatment Device	1.58	-76.22750972	36.86811784	Yes	6/8/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	6/16/2021
1400 Sewells Point Rd- Site Improvement	1400 Sewells Point	8.27	5.84	20-0037.3	Private	Manufactured Treatment Device	2.91	-76.22736655	36.86784903	Yes	6/8/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	6/16/2021
1400 Sewells Point Rd- Site Improvement	1400 Sewells Point Road	8.27	5.84	20-0037.4	Private	Manufactured Treatment Device	1.61	-76.22801598	36.86820885	Yes	6/8/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	6/16/2021
814 Brennan Ave-S lot subdivision	814 BRENNAN AVENUE	0.63	0.20	16-0091.5	Private	Bioretention- Micro 1	0.09	-76.22825151	36.86802559	Yes	6/16/2021	JL56	Yes	Broad Creek, Eastern Br. Elizabeth R.	6/16/2021
814 Brennan Ave-S lot subdivision	814 BRENNAN AVENUE	0.63	0.20	16-0091.4	Private	Bioretention- Micro 1	0.08	-76.22876541	36.84341281	Yes	6/16/2021	JL56	Yes	Broad Creek, Eastern Br. Elizabeth R.	8/12/2021
1039 W 25th Street Warehouse	1039 W 25th Street	0.31	0.29	21-0015.5	Private	Credit Purchase	0.00	-76.22875977	36.84340316	Yes	6/18/2021	JL56	Yes	Elizabeth River Mainstem - Middle	8/12/2021
Colonna's Shipyard Shafting Workshop	465 E. Indian River Road	1.15	1.07	21-0028.1	Private	Credit Purchase	0.00	-76.30055468	36.8747808	Yes	6/29/2021	JL54	Yes	Eastern Branch, Elizabeth R. - Lower	N/A

UPDATED SWMF INFO - FACILITIES BROUGHT ONLINE FY2022

Site Name	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Ownership Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	BMP Maintenance Agreement	Online Date	HUC	Discharges to MS4?	Impaired Water Segment Discharges to	Date of Last Inspection
Woodlawn Mausoleum	6309	E Virginia Beach Blvd	0.31	0.12	21-0030.1	Private	Credit Purchase	0.00	-76.18604218	36.85043842	Yes	7/1/2021	JL54	Yes	Unsegmented estuaries in EBEMH	2/24/2022
Lindenwood Barraud Park Shoreline Restoration	1136	Vista Street	5.04	0.00	16-0092.1	Public	Shoreline Management	7.46	-76.26692865	36.86796511	Yes	7/6/2021	JL56	Yes	Lafayette River - Upper	5/4/2022
Lindenwood Barraud Park Shoreline Restoration	1136	Vista Street	5.04	0.00	16-0092.2	Public	Shoreline Management	7.46	-76.26956296	36.86952154	Yes	7/6/2021	JL56	Yes	Lafayette River - Upper	5/4/2022
Lindenwood Barraud Park Shoreline Restoration	1136	Vista Street	5.04	0.00	16-0092.3	Public	Shoreline Management	7.46	-76.27176057	36.87029302	Yes	7/6/2021	JL56	Yes	Lafayette River - Upper	5/4/2022
Pump Station Replacement #113	3030	Luxembourg Street	0.46	0.00	21-0009.1	Private	Credit Purchase	0.00	-76.27009462	36.87729504	Yes	7/7/2021	JL56	Yes	Lafayette River-Upper	NA-Credit Purchase
Pump Station Replacement #106	3500	Granby Street	0.36	0.15	21-0010.1	Private	Credit Purchase	0.00	-76.27710743	36.88119671	No	7/7/2021	JL56	Yes	Lafayette River - Upper	NA-Credit Purchase
Pump Station #105	5734	Chesapeake Blvd	0.29	0.02	21-0011.3	Private	Credit Purchase	0.00	-76.24463535	36.8846451	No	7/7/2021	JL56	Yes	Lafayette River - Upper	NA-Credit Purchase
814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	0.63	0.20	16-0091.2	Private	Bioretention- Micro 1	0.07	-76.22875977	36.84340316	Yes	7/8/2021	JL56	Yes	Broad Creek, Eastern Br. Elizabeth R.	8/12/2021
814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	0.63	0.20	16-0091.1	Private	Bioretention- Micro 1	0.06	-76.22875977	36.84340316	Yes	7/9/2021	JL56	Yes	Broad Creek, Eastern Br. Elizabeth R.	8/12/2021
Home 2 Suites	5620	E PRINCESS ANNE ROAD	2.13	1.51	17-0069.1	Private	Manufactured Treatment Device	1.51	-76.21142537	36.87558619	Yes	7/15/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/7/2021
829-831 Little Bay Ave Duplex	829	LITTLE BAY AVENUE	0.35	0.14	18-0020.2	Private	Infiltration 2	0.23	-76.27445958	36.96410295	Yes	7/20/2021	JL57	Yes	Willoughby Bay - Beach Area	4/7/2022
829-831 Little Bay Ave Duplex	829	LITTLE BAY AVENUE	0.35	0.14	18-0020.1	Private	Detention Basin	0.07	-76.27445958	36.96410295	Yes	7/20/2021	JL57	Yes	Willoughby Bay - Beach Area	4/7/2022
East Bay Landing - ROW Improvements	8180	Shore Drive	0.45	0.28	20-0054.1	Private	Credit Purchase	0.00	-76.19157956	36.92445367	No	7/26/2021	CB26	Yes	Little Creek & Harbor	NA-Credit Purchase
Utilities Pump Station 91 Replacement	5524	Raby Rd	0.65	0.30	21-0036.1	Public	Credit Purchase	0.00	-76.21858282	36.85768578	No	8/4/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	NA-Credit Purchase
Building E - 2nd Bay Development	9620	2nd Bay	0.69	0.32	20-0066.8	Private	Credit Purchase	0.00	-76.21450485	36.93450877	Yes	8/5/2021	CB26	Yes	Ches Bay Beaches	NA-Credit Purchase
STUART SCHOOL APARTMENTS	435	Virginia Ave	3.13	1.05	19-0086.1	Private	Permeable Pavement	1.08	-76.28580117	36.88124146	Yes	8/16/2021	JL56	Yes	Lafayette River - Upper	8/17/2021
Southside Library	2300	BERKLEY AVENUE EX	2.43	1.37	18-0087.2	Public	Bioretention 1	0.00	-76.25999557	36.82278723	No	8/17/2021	JL54	Yes	Steamboat Creek	8/16/2021
Southside Library	2300	BERKLEY AVENUE EX	2.43	1.37	18-0087.1	Public	Bioretention 1	1.26	-76.25999557	36.82278723	No	8/17/2021	JL54	Yes	Steamboat Creek	8/16/2021
AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	10.34	6.44	19-0042.3	Private	Manufactured Treatment Device	0.27	-76.21820152	36.91453121	No	8/31/2021	CB26	Yes	Lake Whitehurst (PWS)	8/12/2021
AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	10.34	6.44	19-0042.2	Private	Manufactured Treatment Device	0.50	-76.21819989	36.91450638	No	8/31/2021	CB26	Yes	Lake Whitehurst (PWS)	8/12/2021
AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	10.34	6.44	19-0042.4	Private	Manufactured Treatment Device	1.20	-76.21778468	36.91442308	No	8/31/2021	CB26	Yes	Lake Whitehurst (PWS)	8/12/2021
AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	10.34	6.44	19-0042.1	Private	Wet Pond 1	10.10	-76.21802123	36.91398395	No	8/31/2021	CB26	Yes	Lake Whitehurst (PWS)	8/12/2021
Algonquin House-Site Improvements	7320	Glenroie Ave	0.33	0.25	21-0034.1	Private	Credit Purchase	0.00	-76.29923152	36.91049808	No	9/2/2021	JL56	Yes	Lafayette River- Upper	NA-Credit Purchase
East Beach Phase 7-South Subdivision	4347	Pleasant Ave	3.68	0.56	20-0073.1	Private	Permeable Pavement	0.07	12158085.9812233	3505604.17528832	Yes	9/13/2021	CB26	Yes	Little Creek & Harbor	7/1/2022
Utilities Pump Station 93 Replacement	5822	Seltger Drive	0.14	0.04	21-0050.1	Public	Credit Purchase	0.00	-76.20486998	36.8387642	No	9/27/2021	JL54	Yes	Unsegmented estuaries in EBEMH	NA-Credit Purchase
Chesman Phase II	601	W 24th Street	1.42	1.22	21-0014.4	Private	Credit Purchase	0.00	-76.29296488	36.87190099	No	10/11/2021	JL56	Yes	Lafayette River - Upper	NA-Credit Purchase
Lake Taylor HS Storm Drain and Road Repairs	1384	KEMPSVILLE ROAD	0.78	0.33	18-0022.1	School	Manufactured Treatment Device	0.02	-76.19813216	36.87058641	No	10/12/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	2/28/2022
Lake Taylor HS Storm Drain and Road Repairs	1384	KEMPSVILLE ROAD	0.78	0.33	18-0022.2	School	Manufactured Treatment Device	0.06	-76.19813216	36.87058641	No	10/12/2021	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	2/28/2022
Colonna's Shipyard - Steel Processing Center	465	E INDIAN RIVER RD	10.90	0.47	21-0052.1	Private	Credit Purchase	0.00	-76.27575633	36.83371654	No	10/15/2021	JL54	Yes	Eastern Branch, Elizabeth R. - Lower	NA-Credit Purchase
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.3	Private	Permeable Pavement 1	0.13	-76.21215476	36.83845466	Yes	10/21/2021	JL54	Yes	Unsegmented estuaries in EBEMH	7/21/2021
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.2	Private	Permeable Pavement 1	0.17	-76.21253361	36.83868264	Yes	10/21/2021	JL54	Yes	Unsegmented estuaries in EBEMH	7/21/2021
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.1	Private	Permeable Pavement 1	0.25	-76.21291437	36.8384784	Yes	10/21/2021	JL54	Yes	Unsegmented estuaries in EBEMH	7/21/2021
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.4	Private	Other Retrofit- Runoff Reduction	0.55	-76.21253663	36.83815801	Yes	10/21/2021	JL54	Yes	Unsegmented estuaries in EBEMH	7/21/2021
Hagues Club Apartments	600	Fairfax Ave	1.68	0.09	21-0026.1	Private	Credit Purchase	0.00	-76.29947778	36.85946551	No	10/22/2021	JL56	Yes	Elizabeth River Mainstem - Upper	NA-Credit Purchase
Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	12.90	10.73	18-0069.2	Private	Manufactured Treatment Device	2.30	-76.19282246	36.85448703	Yes	10/27/2021	JL54	Yes	Unsegmented estuaries in EBEMH	10/13/2021
Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	12.90	10.73	18-0069.3	Private	Manufactured Treatment Device	1.27	-76.19282246	36.85448703	Yes	10/27/2021	JL54	Yes	Unsegmented estuaries in EBEMH	10/13/2021
Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	12.90	10.73	18-0069.1	Private	Manufactured Treatment Device	2.14	-76.19282246	36.85448703	Yes	10/27/2021	JL54	Yes	Unsegmented estuaries in EBEMH	10/13/2021
7-Eleven Site Improvements	1510	E Brambleton	0.65	0.57	21-0051.2	Private	Credit Purchase	0.00	-76.2704859	36.84691065	Yes	11/12/2021	JL54	Yes	Eastern Branch, Elizabeth River, Main	NA-Credit Purchase
Pump Station 10 Service Area-Maryland Ave PS	401	Maryland Avenue	0.08	0.03	17-0008.1	Public	Grass Channel	0.00	-76.28529811	36.88117061	No	12/1/2021	JL56	Yes	Lafayette River - Upper	2/11/2022
Norfolk Botanical Gardens Admin Bldg Parking	6700	AZALEA GARDEN ROAD	0.79	0.41	17-0095.1	Public	Permeable Pavement 1	0.10	-76.19856317	36.90360807	No	12/8/2021	CB26	Yes	Lake Whitehurst (PWS)	12/8/2021
Norfolk Botanical Gardens Admin Bldg Parking	6700	AZALEA GARDEN ROAD	0.79	0.41	17-0095.2	Public	Sheetflow to Conserved Open Space	0.20	-76.19844472	36.90359681	No	12/8/2021	CB26	Yes	Lake Whitehurst (PWS)	12/8/2021
Dollar Tree Hangar	1301	Miller Store Road	3.28	2.33	21-0063.2	Private	Credit Purchase	0.00	-76.19520255	36.89118545	Yes	12/21/2021	CB26	Yes	Lake Whitehurst (PWS)	NA-Credit Purchase
Harbors edge parking lot	1	Colley Ave	0.48	0.33	19-0058.1	Private	Permeable Pavement 1	0.10	-76.30429413	36.85609866	Yes	1/11/2022	JL56	Yes	Elizabeth River Mainstem - Middle	1/11/2022
Harbors edge parking lot	1	Colley Ave	0.48	0.33	19-0058.2	Private	Permeable Pavement 1	0.15	-76.30402097	36.85622011	Yes	1/11/2022	JL56	Yes	Elizabeth River Mainstem - Middle	1/11/2022
Harbors edge parking lot	1	Colley Ave	0.48	0.33	19-0058.3	Private	Permeable Pavement 1	0.17	-76.30418735	36.85613164	Yes	1/11/2022	JL56	Yes	Elizabeth River Mainstem - Middle	1/11/2022
Harbors edge parking lot	1	Colley Ave	0.48	0.33	19-0058.4	Private	Permeable Pavement 1	0.11	-76.30424182	36.85605444	Yes	1/11/2022	JL56	Yes	Elizabeth River Mainstem - Middle	1/11/2022
River Tower at Harbor's Edge	1	COLLEY AVENUE	3.95	2.68	18-0061.2	Private	Permeable Pavement 1	0.09	-76.30520568	36.85648214	Yes	1/14/2022	JL54	Yes	Elizabeth River Mainstem - Middle	1/14/2022
River Tower at Harbor's Edge	1	COLLEY AVENUE	3.95	2.68	18-0061.1	Private	Permeable Pavement 1	0.16	-76.3049952	36.85657658	Yes	1/14/2022	JL54	Yes	Elizabeth River Mainstem - Middle	1/14/2022
SNGH Tank Replacement	701	Children's Lane	0.18	0.10	21-0064.1	Private	Credit Offset	0.00	12126135.1276086	36.86254938	No	1/25/2022	JL56	Yes	Elizabeth River Mainstem-Middle	NA- Credit Offset
SF DEMO & PARKING LOT	4311	Colley Ave	0.45	0.12	18-0100.1	Private	Permeable Pavement 1	0.06	-76.29578586	36.88411533	Yes	2/1/2022	JL56	Yes	Knitting Mill Creek	2/1/2022
SF DEMO & PARKING LOT	4311	Colley Ave	0.45	0.12	18-0100.2	Private	Permeable Pavement 1	0.06	-76.29568223	36.88412626	Yes	2/1/2022	JL56	Yes	Knitting Mill Creek	2/1/2022
Woodlawn Mausoleum	6309	E Virginia Beach Blvd	0.31	0.12	21-0030.2	Private	Dry Swale 1	0.19	-76.18588614	36.85044608	Yes	2/17/2022	JL54	Yes	Unsegmented estuaries in EBEMH	2/17/2022
VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	1.57	1.40	18-0010.2	Public	Manufactured Treatment Device	0.25	-76.1809881	36.85509976	No	3/1/2022	JL54	Yes	Unsegmented estuaries in EBEMH	1/19/2022
VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	1.57	1.40	18-0010.1	Public	Manufactured Treatment Device	1.56	-76.1809881	36.85509976	No	3/1/2022	JL54	Yes	Unsegmented estuaries in EBEMH	1/19/2022
814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	0.63	0.20	16-0091.3	Private	Bioretention- Micro 1	0.07	-76.22875977	36.84340316	Yes	3/4/2022	JL56	Yes	Broad Creek, Eastern Br. Elizabeth R.	3/4/2022
Trinity Presbyterian Church	1600	Colonial Avenue	0.94	0.78	20-0003.1	Private	Detention Basin	0.00	-76.29245698	36.86723423	Yes	3/4/2022	JL56	Yes	Elizabeth River Mainstem - Upper	3/3/2022
E. Water Street Open Space	1119, 1125, 1155	1119, 1125, 1155 E Water Street	1.84	0.91	20-0049.3	Public	Bioretention 1	0.17	-76.28173175	36.84198788	No	3/4/2022	JL54	Yes	Eastern Branch, Elizabeth River- Lower Middle	3/17/2022
E. Water Street Open Space	1119, 1125, 1155	1125, 1155 E Water Street	1.84	0.91	20-0049.2	Public	Bioretention 1	0.10	-76.28219439	36.84214866	No	3/4/2022	JL54	Yes	Eastern Branch, Elizabeth River- Lower Middle	3/17/2022
E. Water Street Open Space	1119, 1125, 1155	1155 E Water Street	1.84	0.91	20-0049.1	Public	Bioretention 1	0.42	-76.28285946	36.84223574	No	3/4/2022	JL54	Yes	Eastern Branch, Elizabeth River- Lower Middle	3/17/2022
Gosnold Drainage Improvements	1	Gosnold Ave	0.88	0.00	15-0047.1	Public	Manufactured Treatment Device	3.64	-76.29446223	36.87190837	No	3/25/2022	JL56	Yes	Knitting Mill Creek	1/5/2022
Tabet Manufacturing	1344	Ballentine Blvd	3.84	2.91	20-0063.1	Private	Cisterns and Rain Barrels	0.31	-76.24882888	36.85900294	Yes	3/29/2022	JL54	Yes	Lafayette River - Upper	5/9/2022
Norfolk Fire Training Facility	115	Thole Street	0.72	0.51	19-0082.1	Public	Compost Amendment	0.00	-76.27501075	76.27501075	No	3/30/2022	JL56	Yes	Lafayette River - Upper	5/25/2022
Single Family - 3234 East Ocean View Ave	3234	E. Ocean View Ave	0.11	0.08	B21-00927.1	Private	Permeable Pavement	0.03	-76.20220588	36.93299062	No	4/11/2022	CB26	Yes	Ches Bay Beaches	4/11/2022
Single Family Homes - 2413,2419 Masi Street	2413	Masi Street	0.21	0.04	B20-02483.2	Private	Extended Detention Basin	0.04	-76.27126993	36.86629012	Yes	4/13/2022	JL56	Yes	Lafayette River- Upper	5/6/2022
Single Family Homes - 2413,2419 Masi Street	2419	Masi Street	0.24	0.04	B20-02483.1	Private	Extended Detention Basin	0.06	-76.27128676	36.86638949	Yes	4/13/2022	JL56	Yes	Lafayette River- Upper	5/6/2022
Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	0.15	0.06	B21-01460.1	Private	Infiltration Practices	0.01	-76.19798099	36.93171855	No	4/28/2022	CB26	Yes	Ches Bay Beaches	4/11/2022
Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	0.15	0.06	B21-01460.2	Private	Infiltration Practices	0.01	-76.1978993	36.93170837	No	4/28/2022	CB26	Yes	Ches Bay Beaches	4/11/2022
Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	0.15	0.06	B21-01460.3	Private	Infiltration Practices	0.00	-76.19795332	36.93165123	No	4/28/2022	CB26	Yes	Ches Bay Beaches	4/11/2022
Aspire at East Beach Senior Housing	4801	PRETTY LAKE AVENUE	5.26	4.01	18-0102.1	Private	Manufactured Treatment Device	1.71	-76.18537009	36.92426533	Yes	6/2/2022	CB26	Yes	Little Creek & Harbor	6/1/2022
CHKD Medical Tower II	400	GRESHAM DRIVE	2.57	1.53	19-0028.1	Private	Detention Basin	0.48	-76.30447987	36.86084612	Yes	6/22/2022	JL56	Yes	Elizabeth River Mainstem - Middle	6/22/2022
CHKD Medical Tower II	400	GRESHAM DRIVE	2.57	1.53	19-0028.2	Private	Bioretention	0.20	-76.30467409	36.86090341	Yes	6/22/2022	JL56	Yes	Elizabeth River Mainstem - Middle	6/22/2022

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Shell	6100	Tidewater Drive	0.94	0.71	00-4243.1	Private	Detention Basin	0.94	76.25709205	36.89176863	Yes	12/18/2002	Active	JL56
Woodfin Oil	5139	E Virginia Beach Boulevard	0.90	0.62	00-4244.1	Private	Manufactured Treatment Device	1.65	76.22565075	36.85617009	No	1/1/2003	Active	JL54
Checker Taxi Parking Lot	6257	Sewells Point Road	0.81	0.56	00-4278.1	Private	Infiltration Practices	0.81	76.2398474	36.89348256	Yes	1/1/2005	Active	CB26
Matrix Technical Solutions, Inc.	2446	Florida Avenue	0.25	0.17	00-4283.1	Private	Infiltration Practices	0.25	76.24246858	36.9059816	Yes	9/21/2001	Active	JL56
Mt. Gilead Baptist Church	1057	Kennedy Street	0.40	0.29	00-4298.1	Private	Infiltration Practices	0.20	76.24258861	36.90639286	Yes	9/11/2001	Active	CB26
Mt. Gilead Baptist Church	1057	Kennedy Street	0.40	0.29	00-4298.2	Private	Infiltration Practices	0.20	76.24245718	36.90597249	Yes	9/11/2001	Active	JL56
B'nai Israel Congregation	420	Spotswood Avenue	1.04	0.63	00-4301.1	Private	Infiltration Practices	0.19	76.29193749	36.86665869	No	10/30/2001	Active	JL56
B'nai Israel Congregation	420	Spotswood Avenue	1.04	0.63	00-4301.2	Private	Infiltration Practices	0.22	76.29152836	36.86662569	No	10/30/2001	Active	JL56
Tidewater Park Elementary	1045	E Brambleton Avenue	8.89	2.59	00-4306.1	School	Detention Basin	3.20	76.27919489	36.84992761	Yes	1/1/2002	Active	JL54
22nd St. Parking Lot	738	W 22nd Street	0.93	0.74	00-4320.1	Private	Manufactured Treatment Device	0.93	76.29351946	36.87077042	No	9/19/2001	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4322.3	Private	Infiltration Practices	0.14	76.30342568	36.87977698	Yes	8/28/2003	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.1	Private	Infiltration Practices	0.14	76.30373034	36.87985224	Yes	8/28/2003	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.2	Private	Infiltration Practices	0.14	76.30358269	36.88000589	Yes	8/28/2003	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.4	Private	Infiltration Practices	0.14	76.30308735	36.87983778	Yes	8/28/2003	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.5	Private	Infiltration Practices	0.14	76.30285613	36.8800395	Yes	8/28/2003	Active	JL56
Norfolk Yacht and Country Club	7001	Hampton Boulevard	0.92	0.57	00-4333.1	Private	Manufactured Treatment Device	0.64	76.30683017	36.90832524	No	9/25/2001	Active	JL56
The Kempsville Center	860	Kempsville Road	6.20	2.31	00-4341.1	Private	Detention Basin	0.85	76.18915908	36.85288761	Yes	11/4/2000	Active	JL54
Norview Landings	1232	Norview Avenue	1.28	0.70	00-4343.1	Private	Detention Basin	1.28	76.23633102	36.89059734	Yes	7/3/2001	Active	JL56
Teagle and Little	1048	W 27th Street	0.20	0.13	00-4352.1	Private	Detention Basin	0.20	76.2995551	36.87657821	Yes	2/5/2001	Active	JL56
Bayview Estates Subdivision	9511	Jenny Court	4.01	0.00	00-4449.1	Private	Detention Basin	2.52	76.23590992	36.94080175	No	11/27/2002	Active	CB26
Titustown Recreation Center	7545	Diven Street	5.36	0.00	00-4462.1	Public	Extended Detention Basin	15.11	76.29521714	36.91465164	No	6/13/2005	Active	JL56
Infinitee Day School	722	Miller Street	0.34	0.15	00-4467.1	Private	Infiltration Practices	0.34	76.25442519	36.91156365	Yes	9/19/2002	Active	JL56
Herald of His Comming Church	727	E 27th Street	0.97	0.95	00-4505.1	Private	Infiltration Practices	0.27	76.27874915	36.87035205	Yes	3/7/2006	Active	JL56
WHRO building addition	5200	Hampton Boulevard	0.00	0.00	00-4523.1	Private	Infiltration Practices	0.00	76.30170881	36.88958848	No	9/8/2000	Active	JL56
Mt. Gilead Chruch Addition	1057	Kennedy Street	1.23	1.00	00-4540.1	Private	Infiltration Practices	1.23	76.24308213	36.90528616	Yes	6/18/2004	Active	JL54
Iron Mountain Management Inc.	4555	Progress Road	5.45	0.00	01-0003.1	Private	Detention Basin	5.45	76.23224351	36.86380851	No	4/22/2002	Active	JL54
Quarles Petroleum, Inc.	4545	PROGRESS ROAD	1.35	0.00	01-0009.1	Private	Extended Detention Basin	0.95	76.23296703	36.86359059	Yes	7/13/2001	Active	JL54
Quarles Petroleum, Inc.	4545	PROGRESS ROAD	1.35	0.00	01-0009.2	Private	Manufactured Treatment Device	1.28	76.23311584	36.86412609	Yes	7/13/2001	Active	JL54
Jack's Towing	1114	Harmony Road	0.00	0.00	01-0010.1	Private	Grass Channel	0.00	76.21754098	36.86013541	Yes	5/6/2008	Active	JL54
Mallory Country Club	907	WEYANOKE STREET	0.00	0.00	01-0019.1	Private	Infiltration Practices	0.21	76.31033405	36.87218463	Yes	3/28/2002	Active	JL56
Bay Oaks Place Extension	3900	KEGAGIE DRIVE	1.51	0.72	01-0026.1	Public	Manufactured Treatment Device	1.51	76.19472729	36.93124206	No	1/1/2005	Active	CB26
Ronald McDonald House	404	Colley Avenue	0.40	0.23	01-0031.1	Private	Bioretention	0.40	76.30060165	36.85922774	Yes	11/20/2001	Active	JL56
WVEC Parking Lot improvements	716	FRONT STREET	0.00	0.00	01-0055.1	Private	Infiltration Practices	0.00	76.3040565	36.85604467	Yes	5/14/2001	Active	JL56
First Baptist Church of Boiling Brook	120	Filbert Street	0.00	0.00	01-0057.1	Private	Infiltration Practices	0.06	76.27581314	36.90509935	No	1/1/2002	Active	JL56
Duplex - 3 Story	238	W OCEAN AVENUE	0.00	0.00	01-0078.1	Private	Infiltration Practices	0.04	76.25441957	36.95726555	No	6/13/2005	Active	CB26
Lamberts Point Pond	1506	38th Street	102.30	52.28	01-0095.1	Public	Wet Pond	79.50	76.20375031	36.92933973	Yes	1/1/2002	Active	JL57
Piedmont Hawthorne Aviation Hanger	6101	Burton Station Road	0.00	0.00	01-0111.1	Private	Infiltration Practices	2.19	76.20171011	36.88397978	No	6/13/2005	Active	CB26
Piedmont Hawthorne Aviation Hanger	6101	Burton Station Road	0.00	0.00	01-0111.3	Private	Manufactured Treatment Device	1.03	76.20081962	36.88617789	No	6/13/2005	Active	CB26
Fairlawn Elementary School Parking Lot	1132	WADE STREET	3.90	2.40	01-0114.1	School	Grass Channel	3.40	76.19440006	36.85803508	Yes	1/1/2002	Active	JL54
Duplex	1271	W Ocean View Avenue	0.00	0.00	01-0165.1	Private	Infiltration Practices	0.00	76.28709181	36.96689987	Yes	6/13/2005	Active	CB26
Duplex	1271	W Ocean View Avenue	0.00	0.00	01-0165.2	Private	Infiltration Practices	0.00	76.28726883	36.96691915	Yes	6/13/2005	Active	CB26
AAAA Self Storage	6562	TIDEWATER DRIVE	4.89	3.42	01-0166.1	Private	Detention Basin	4.50	76.25443039	36.89911296	No	4/9/2002	Active	JL56
Duplex	479	W OCEAN VIEW AVENUE	0.58	0.17	01-0173.1	Private	Infiltration Practices	0.04	76.26331805	36.96059759	Yes	3/19/2004	Active	CB26
Duplex	479	W OCEAN VIEW AVENUE	0.58	0.17	01-0173.2	Private	Infiltration Practices	0.05	76.26322906	36.96051159	Yes	3/19/2004	Active	CB26
EVMS Parking Lot	801	FAIRFAX AVENUE	3.77	2.01	01-0176.1	Private	Infiltration Practices	0.47	76.30286509	36.86009313	Yes	6/13/2005	Active	JL56
Spring Hill Suites Marriott	6350	N Newtown Road	5.32	5.00	01-0188.1	Private	Extended Detention Basin	5.32	76.18753409	36.84498161	Yes	5/5/2004	Active	JL54
Woodard Office Building	2511	WALMER AVENUE	1.01	0.71	01-0192.1	Private	Manufactured Treatment Device	0.50	76.22460977	36.8767103	Yes	5/15/2002	Active	CB26
Woodard Office Building	2511	WALMER AVENUE	1.01	0.71	01-0192.2	Private	Manufactured Treatment Device	0.50	76.22424499	36.87606233	Yes	5/15/2002	Active	CB26
HRT Park and Ride	5524	Curlew Drive	1.97	1.10	01-0197.1	Private	Wet Pond	2.60	76.21493484	36.84180303	Yes	8/1/2011	Active	JL54
HRT Park and Ride	5524	Curlew Drive	1.97	1.10	01-0197.2	Private	Manufactured Treatment Device	0.80	76.21163241	36.84173574	Yes	8/1/2011	Active	JL54
Sherwood Forest Elementary	3035	Sherwood Forest Lane	0.00	0.00	01-0198.1	School	Infiltration Practices	0.22	76.2387316	36.87609022	Yes	4/28/2005	Active	JL54
St. Mary's Home for Disabled Children	6171	Kempsville Circle	8.19	4.71	01-0203.1	Private	Wet Pond	1.86	76.19514035	36.85008551	Yes	9/22/2004	Active	JL54
Grandy Village, Phase 1	3150	KIMBALL TERRACE	33.84	7.03	01-0222.1	Public	Manufactured Treatment Device	37.26	76.24815915	36.84319824	No	1/1/2002	Active	JL54
Apartments	200	Maple Avenue	0.33	0.23	01-0223.1	Private	Infiltration Practices	0.54	76.2600416	36.94982847	Yes	4/22/2003	Active	JL57
Walgreens	8609	TIDEWATER DRIVE	1.75	1.51	01-0224.1	Private	Manufactured Treatment Device	1.75	76.25394906	36.93308559	Yes	11/21/2003	Active	JL57
Fuel Express at Farm Fresh	1201	N MILITARY HIGHWAY	1.44	1.31	02-0001.1	Private	Bioretention	1.44	76.20957332	36.8636598	No	4/26/2002	Active	JL54
Saint Pauls COGIC	1615	Isaac Street	1.08	0.00	02-0007.1	Private	Infiltration Practices	0.06	76.26505479	36.8261975	Yes	12/10/2007	Active	JL54
Saint Pauls COGIC	1615	Isaac Street	1.08	0.00	02-0007.2	Private	Infiltration Practices	0.08	76.26551076	36.82582822	Yes	12/10/2007	Active	JL54
Saint Pauls COGIC	1615	Isaac Street	1.08	0.00	02-0007.3	Private	Infiltration Practices	0.23	76.265897	36.82609445	Yes	12/10/2007	Active	JL54
Norview High School	1070	Middleton Place	30.11	14.06	02-0010.1	School	Wet Pond	30.11	76.24220936	36.90270996	Yes	11/1/2005	Active	CB26
Bay Disposal	2424	Springfield Avenue	102.20	102.20	02-0012.1	Private	Extended Detention Basin	9.05	76.24998078	36.83595711	No	1/1/2002	Active	JL54
Sentara Medical Group	835	Glenrock Road	2.31	1.80	02-0048.1	Private	Detention Basin	2.31	76.20272608	36.85102961	Yes	8/15/2006	Active	JL54
Riverpark Condominiums	239	DUKE STREET	1.32	1.12	02-0075.1	Private	Manufactured Treatment Device	1.32	76.29385944	36.84967365	Yes	1/20/2004	Active	JL54
Seaward Marine Services	5409	BEAMON ROAD	2.74	1.95	02-0101.1	Private	Detention Basin	2.74	76.2190415	36.88244091	Yes	2/4/2009	Active	JL56
ABC Supply Company	3373	Progress Road	2.50	1.74	02-0103.1	Private	Detention Basin	2.50	76.2428622	36.8601323	Yes	6/11/2002	Active	JL54
Affordable Towing and Recovery	2424	CROMWELL ROAD	0.84	0.67	02-0117.1	Private	Detention Basin	0.80	76.24898837	36.86489156	Yes	3/25/2003	Active	JL56
Conley Warehouse and Office	3404	WESTMINSTER AVENUE	0.22	0.14	02-0121.1	Private	Detention Basin	0.10	76.24497578	36.84383945	Yes	6/22/2006	Active	JL54
Senior Housing Development	6311	GRANBY STREET	10.88	6.89	02-0158.1	Private	Wet Pond	2.35	76.28111704	36.90017341	Yes	2/15/2005	Active	JL56
Office Warehouse Complex	5724	Seliger Drive	0.35	0.33	02-0170.1	Private	Bioretention	0.36	76.20886789	36.83983175	Yes	12/3/2003	Active	JL54
Walmart @ Military Hwy	1170	N MILITARY HIGHWAY	0.00	0.00	02-0174.1	Private	Manufactured Treatment Device	6.91	76.20627031	36.86244049	Yes	8/3/2005	Active	JL54
Walmart @ Military Hwy	1170	N MILITARY HIGHWAY	0.00	0.00	02-0174.2	Private	Manufactured Treatment Device	6.41	76.20841481	36.86246936	Yes	8/3/2005	Active	JL54
Picadilly Mews	6370	TRAFALGAR COURT	2.00	1.33	02-0193.1	Private	Detention Basin	1.90	76.23317943	36.89695326	Yes	8/10/2005	Active	CB26
Picadilly Mews	6370	TRAFALGAR COURT	2.00	1.33	02-0193.2	Private	Grass Channel	1.34	76.23259471	36.89697257	Yes	8/10/2005	Active	CB26
Faith Deliverance Christian Center	1010	E 26TH STREET	2.49	1.49	02-0244.1	Private	Detention Basin	0.78	76.27400354	36.87300711	Yes	3/24/2005	Active	JL56
University Pizza Parking	5008	COLLEY AVENUE	0.29	0.00	02-0265.1	Private	Grass Channel	0.15	76.29465516	36.88928768	Yes	6/13/2005	Active	JL56
Harbor Walk	8261	NORTH VIEW BOULEVARD	17.98	12.99	02-0275.1	Private	Infiltration Practices	7.58	76.19407283	36.92384261	Yes	6/15/2004	Active	CB26
Verizon Virginia, Inc.	856	W 40TH STREET	0.12	0.02	02-0283.1	Private	Infiltration Practices	0.12	76.29735937	36.88161981	Yes	1/1/2004	Active	JL56
Wash Land	6049	E Virginia Beach Boulevard	0.74	0.59	02-0305.1	Private	Extended Detention Basin	0.74	76.19751947	36.85505838	Yes	10/8/2003	Active	JL54
ODU University Village	1054	47TH STREET	69.03	58.68	02-2367.1	Public	Wet Pond	69.03	76.30103554	36.88652415	No	8/20/2004	Active	JL56
Duplex	3634	E OCEAN VIEW AVENUE	0.36	0.22	03-0006.1	Private	Infiltration Practices	0.36	76.197458	36.93143895	No	2/3/2004	Active	CB26
Sunset Shores	1900	ARLINGTON AVENUE	4.62	0.96	03-0009.1	Private	Manufactured Treatment Device	4.62	76.25936314	36.83643368	Yes	11/19/2005	Active	JL53
Green Gifford / Wells Fargo Bank commercial center	1200	N Military Highway	6.88	4.86	03-0015.1	Private	Wet Pond	6.88	76.21047658	36.86787051	Yes	10/13/2003	Active	JL54
Duplex Complex William Henry Taylors Tract	8127	REDMON COURT	1.39	0.62	03-0026.1	Private	Infiltration Practices	0.08	76.19976808	36.92274959	Yes	6/13/2005	Active	CB26
Vanguard Warehouse	1172	AZALEA GARDEN ROAD	5.47	2.42	03-0028.1	Private	Detention Basin	0.94	76.23183251	36.86127767	Yes	9/2/2003	Active	JL54
RSG Roofing Supply	1140	AZALEA GARDEN ROAD	6.27	3.31	03-0033.1	Private	Extended Detention Basin	2.44	76.23090223	36.85882699	Yes	1/1/2004	Active	JL54
Christ the King Catholic School	3401	Tidewater Drive	0.82	0.50	03-0034.1	Private	Infiltration Practices	0.09	76.2623471	36.88137893	Yes	4/21/2006	Active	JL56
Christ the King Catholic School	3401	Tidewater Drive	0.82	0.50	03-0034.2	Private	Infiltration Practices	0.20	76.26269176	36.88185736	Yes	4/26/2006	Active	JL56
Arby's Restaurant	460	N MILITARY HIGHWAY	0.77	0.64	03-0041.1	Private	Bioretention	0.77	76.20925056	36.8480838	Yes	10/13/2003	Active	JL54
Norfolk Collegiate Middle School	122	Granby Park	0.79	0.62	03-0042.1	Private	Infiltration Practices	0.34	76.27277418	36.91039913	Yes	1/1/2004	Active	JL56

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Norfolk Collegiate Middle School	122	Granby Park	0.79	0.62	03-0042.2	Private	Infiltration Practices	1.68	76.27169057	36.91111114	Yes	1/1/2004	Active	JL56
Rally's	2300	Azalea Garden Road	0.36	0.28	03-0047.1	Private	Infiltration Practices	0.36	76.23200998	36.87062736	Yes	11/17/2003	Active	JL54
Gethsemane Community Fellowship Church	1317	E BRAMBLETON AVENUE	0.81	0.56	03-0065.1	Private	Infiltration Practices	0.50	76.27272859	36.8469282	Yes	9/15/2005	Active	JL54
Gethsemane Community Fellowship Church	1317	E BRAMBLETON AVENUE	0.81	0.56	03-0065.2	Private	Infiltration Practices	0.31	76.27310678	36.84749056	Yes	9/15/2005	Active	JL54
Tubbs Auto Parts	2215	E INDIAN RIVER ROAD	7.04	0.67	03-0081.1	Private	Manufactured Treatment Device	0.84	76.25467071	36.83024835	No	8/3/2006	Active	JL53
Pepsi Bottling Group	1194	PINERIDGE ROAD	3.01	1.93	03-0087.1	Private	Wet Pond	1.17	76.22709978	36.86316524	No	1/1/2005	Active	JL54
Blair Middle School	730	Spotswood Avenue	9.93	4.23	03-0090.1	School	Infiltration Practices	3.20	76.29492748	36.86914739	Yes	8/20/2008	Active	JL56
Blair Middle School	730	SPOTSWOOD AVENUE	9.93	4.23	03-0090.2	School	Detention Basin	3.20	76.29570731	36.86925893	Yes	8/20/2008	Active	JL56
Duplex	605	Bancker Road	0.17	0.08	03-0096.1	Private	Infiltration Practices	0.17	76.25485167	36.9179457	Yes	4/28/2004	Active	CB26
Duplex 9610-9614	9610	16TH BAY STREET	0.30	0.08	03-0105.1	Private	Grass Channel	0.30	76.19881795	36.93008087	Yes	1/20/2004	Active	CB26
Pretty Lake Terrace - Infrastructure Only	9504	7TH BAY STREET	2.45	1.03	03-0129.1	Public	Grass Channel	2.45	76.21006415	36.93022019	No	2/1/2005	Active	CB26
Ruggoso Dunes	4011	RUGOSA ROSE COURT	1.26	0.39	03-0138.1	Private	Permeable Pavement	1.26	76.19346808	36.93091459	Yes	1/1/2005	Active	CB26
Condos	8550	TIDEWATER DRIVE	1.26	0.71	03-0148.1	Private	Infiltration Practices	0.20	76.25317095	36.9311464	No	11/29/2005	Active	JL57
Lots 21 & 22	3617	BAYSIDE AVENUE	0.17	0.13	03-0162.1	Private	Permeable Pavement	0.11	76.19773731	36.93173769	Yes	1/24/2007	Active	CB26
Ghent Arms	802	MANTEO STREET	0.55	0.48	03-0169.1	Private	Infiltration Practices	0.27	76.29842146	36.8621469	Yes	12/6/2004	Active	JL56
Townhouses	9700	12TH VIEW STREET	0.24	0.13	03-0193.1	Private	Infiltration Practices	0.12	76.2843476	36.96742492	No	10/13/2004	Active	JL57
Townhouses	9700	12TH VIEW STREET	0.24	0.13	03-0193.2	Private	Infiltration Practices	0.12	76.28410697	36.96743117	No	10/13/2004	Active	JL57
Duplex	2510	E OCEAN VIEW AVENUE	0.14	0.08	03-0211.1	Private	Infiltration Practices	0.11	76.21081458	36.93470773	No	9/13/2004	Active	CB26
Building Addition - Baker and Company	3541	ARGONNE AVENUE	4.68	2.42	03-0267.1	Private	Extended Detention Basin	2.18	76.25344619	36.88393262	Yes	8/4/2010	Active	JL56
Duplex	1538	LEA VIEW AVENUE	0.22	0.11	03-0272.1	Private	Infiltration Practices	0.06	76.29563601	36.96839868	No	4/8/2005	Active	JL57
Duplex	1538	LEA VIEW AVENUE	0.22	0.11	03-0272.2	Private	Infiltration Practices	0.06	76.29539484	36.9683971	No	4/8/2005	Active	JL57
Apartment / Garage	200	Maple Avenue	0.54	0.38	03-0273.1	Private	Infiltration Practices	0.54	76.26009636	36.95015279	Yes	8/25/2004	Active	JL57
Bolling Square Apartments Phase I	919	BOLLING AVENUE	7.22	4.94	03-0280.1	Private	Bioretention	0.55	76.29705302	36.89188152	Yes	8/28/2006	Active	JL56
Bolling Square Apartments Phase I	919	BOLLING AVENUE	7.22	4.94	03-0280.2	Private	Bioretention	0.38	76.29618481	36.89226398	Yes	8/28/2006	Active	JL56
Bolling Square Apartments Phase I	919	BOLLING AVENUE	7.22	4.94	03-0280.3	Private	Grass Channel	0.53	76.29647201	36.89180468	Yes	8/28/2006	Active	JL56
Duplex	9524	14TH BAY STREET	0.22	0.08	03-0290.1	Private	Infiltration Practices	0.22	76.20179203	36.92832827	No	9/7/2005	Active	CB26
Pretty Lake Village	2201	PRETTY LAKE AVENUE	4.20	2.27	03-0292.1	Private	Infiltration Practices	3.50	76.21543978	36.93353036	No	6/21/2007	Active	CB26
Pretty Lake Townhouses	2603	PRETTY LAKE AVENUE	0.54	0.22	03-0303.1	Private	Extended Detention Basin	0.54	76.21093432	36.93125421	No	3/4/2005	Active	CB26
2542 E Ocean View Ave	2542	E Ocean View Avenue	1.00	0.13	03-0304.1	Private	Infiltration Practices	0.40	76.21001207	36.93473938	No	6/25/2007	Active	CB26
Duplex	3206	PRETTY LAKE AVENUE	0.17	0.09	03-0308.1	Private	Detention Basin	0.17	76.20416329	36.9293264	No	7/29/2005	Active	CB26
Duplex	3206	PRETTY LAKE AVENUE	0.17	0.09	03-0308.2	Private	Detention Basin	0.17	76.20401578	36.92930405	No	7/29/2005	Active	CB26
Duplex	9557	12th Bay Street	0.17	0.07	03-0309.1	Private	Infiltration Practices	0.17	76.20432007	36.93046159	No	4/21/2004	Active	CB26
Duplex	2806	E OCEAN VIEW AVENUE	0.63	0.46	03-0310.1	Private	Permeable Pavement	0.63	76.20728563	36.93378767	No	1/1/2005	Active	CB26
Endtime United Chruch of Jesus Christ Apostolic	7416	EVELYN T BUTTS AVENUE	0.56	0.36	03-0312.1	Private	Infiltration Practices	0.28	76.24287829	36.91038412	Yes	10/20/2005	Active	CB26
Endtime United Chruch of Jesus Christ Apostolic	7416	EVELYN T BUTTS AVENUE	0.56	0.36	03.0312.2	Private	Infiltration Practices	0.28	76.24254033	36.91028546	Yes	10/20/2005	Active	JL56
Waterford at Lake Taylor	1309	Kempsville Road	3.51	2.09	03-0313.1	Private	Detention Basin	3.51	76.20563812	36.86869009	Yes	9/15/2006	Active	JL54
Duplex	980	W Ocean View Avenue	0.14	0.09	03-0315.1	Private	Infiltration Practices	0.03	76.27730804	36.96712542	Yes	4/22/2005	Active	CB26
Duplex	980	W Ocean View Avenue	0.14	0.09	03-0315.2	Private	Infiltration Practices	0.08	76.27736171	36.96701584	Yes	4/22/2005	Active	CB26
Duplex	980	W Ocean View Avenue	0.14	0.09	03-0315.3	Private	Infiltration Practices	0.04	76.27745019	36.96686811	Yes	4/22/2005	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.1	Private	Manufactured Treatment Device	0.19	76.21418853	36.93247815	No	4/3/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.2	Private	Manufactured Treatment Device	0.19	76.21390957	36.93236971	Yes	4/3/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.3	Private	Manufactured Treatment Device	0.19	76.21415727	36.93224847	Yes	4/3/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.4	Private	Manufactured Treatment Device	0.19	76.21418785	36.93200941	Yes	4/3/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.5	Private	Manufactured Treatment Device	0.19	76.2141483	36.93189329	Yes	4/3/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.6	Private	Grass Channel	0.26	76.21390824	36.93207588	Yes	4/3/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.7	Private	Infiltration Practices	0.32	76.21441786	36.9322817	Yes	4/3/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.8	Private	Infiltration Practices	0.32	76.21398066	36.93260545	Yes	4/3/2009	Active	CB26
Duplex	9640	13th View Street	0.06	0.07	03-0323.1	Private	Infiltration Practices	0.06	76.28779507	36.96632408	Yes	3/31/2006	Active	JL57
Duplex	9640	13th View Street	0.06	0.07	03-0323.2	Private	Infiltration Practices	0.06	76.28793603	36.96621822	Yes	3/31/2006	Active	JL57
Duplex	1278	LITTLE BAY AVENUE	0.17	0.06	03-0325.1	Private	Infiltration Practices	0.05	76.28754453	36.96645617	No	8/1/2011	Active	CB26
Duplex	1278	LITTLE BAY AVENUE	0.17	0.06	03-0325.2	Private	Infiltration Practices	0.05	76.28760836	36.96621767	No	8/1/2011	Active	CB26
Duplex	1278	LITTLE BAY AVENUE	0.17	0.06	03-0325.3	Private	Infiltration Practices	0.05	76.28749072	36.96621949	No	8/1/2011	Active	CB26
Norfolk General New Pavilion & Parking	600	GRESHAM DRIVE	6.49	4.43	03-0327.1	Private	Bioretention	0.75	76.30532763	36.86244248	Yes	7/23/2012	Active	JL56
Norfolk General New Pavilion & Parking	600	GRESHAM DRIVE	6.49	4.43	03-0327.2	Private	Bioretention	0.94	76.30413819	36.86360397	Yes	7/23/2012	Active	JL56
Norfolk General New Pavilion & Parking	600	GRESHAM DRIVE	6.49	4.43	03-0327.3	Private	Manufactured Treatment Device	0.75	76.30515482	36.86260133	Yes	7/23/2012	Active	JL56
Norfolk General New Pavilion & Parking	600	GRESHAM DRIVE	6.49	4.43	03-0327.4	Private	Manufactured Treatment Device	0.94	76.30380802	36.86367786	Yes	7/23/2012	Active	JL56
AllSafe Self Storage	3701	E PRINCESS ANNE ROAD	4.58	3.56	03-101.1	Private	Extended Detention Basin	2.29	76.23952998	36.86487654	Yes	5/24/2005	Active	JL54
AllSafe Self Storage	3701	E PRINCESS ANNE ROAD	4.58	3.56	03-101.2	Private	Extended Detention Basin	2.29	76.23808519	36.86389084	Yes	5/24/2005	Active	JL54
Westover Commons	1225	WESTOVER AVENUE	1.08	0.68	03-110.1	Private	Infiltration Practices	0.76	76.30706085	36.86707606	Yes	11/16/2004	Active	JL56
Willard Elementary School Parking Lot	1511	Willow Wood Drive	5.50	0.46	03-136.1	School	Infiltration Practices	0.63	76.26650108	36.88814804	No	1/1/2004	Active	JL56
Duplex	475	W Ocean View Avenue	0.21	0.10	03-139.1	Private	Infiltration Practices	0.10	76.26328205	36.96046959	Yes	8/17/2007	Active	CB26
Duplex	475	W Ocean View Avenue	0.21	0.10	03-139.2	Private	Infiltration Practices	0.10	76.26314506	36.96036759	Yes	8/17/2007	Active	CB26
8th Bay Street	9569	8TH BAY STREET	0.34	0.00	03-147.1	Private	Extended Detention Basin	0.22	76.20868954	36.93165759	Yes	6/2/2005	Active	CB26
Subaru Showroom & Service Center	6611	E VIRGINIA BEACH BOULEVARD	1.46	1.15	03-149.1	Private	Manufactured Treatment Device	1.46	76.18104267	36.85357965	Yes	9/8/2004	Active	JL54
Riverside Corporate Center Parcel	170	Corporate Boulevard	5.53	2.38	03-160.1	Private	Wet Pond	2.02	76.21141837	36.83932681	Yes	2/18/2004	Active	JL54
River Oaks Office Addition	5353	E Princess Anne Road	0.75	0.50	03-163.1	Private	Grass Channel	0.75	76.21844625	36.8727402	Yes	5/31/2005	Active	JL54
Duplex	642	W OCEAN VIEW AVENUE	0.23	0.09	03-287.1	Private	Infiltration Practices	0.08	76.26743405	36.96380259	No	1/1/2005	Active	CB26
Duplex	642	W OCEAN VIEW AVENUE	0.23	0.09	03-287.2	Private	Infiltration Practices	0.08	76.26731305	36.96376659	No	1/1/2005	Active	CB26
Duplex	642	W OCEAN VIEW AVENUE	0.23	0.09	03-287.3	Private	Infiltration Practices	0.08	76.26715905	36.96407059	No	1/1/2005	Active	CB26
Duplex	9528	14TH BAY STREET	0.21	0.08	03-289.1	Private	Infiltration Practices	0.21	76.20178709	36.92847327	No	1/18/2005	Active	CB26
Boush Street Garage	326	Boush Street	1.45	1.42	03-295.1	Public	Manufactured Treatment Device	1.29	76.29148115	36.85073975	Yes	7/19/2006	Active	JL56
Retail Shops	5720	Hoggard Road	0.48	0.41	03-316.1	Private	Manufactured Treatment Device	0.25	76.20901407	36.84818201	No	1/16/2007	Active	JL54
Calvary Presbyterian	150	Kempsville Road	5.37	0.58	03-317.1	Private	Grass Channel	0.12	76.18803008	36.84336261	Yes	6/9/2004	Active	JL54
Colonnas Shipyard Super Building Phase I	400	E INDIAN RIVER ROAD	1.20	1.20	04-0002.1	Private	Infiltration Practices	1.20	76.27449146	36.83579656	Yes	10/26/2005	Active	JL53
Duplex	9508	5TH BAY STREET	0.16	0.51	04-0008.1	Private	Infiltration Practices	0.04	76.2123789	36.93042303	Yes	1/22/2007	Active	CB26
Duplex	9508	5TH BAY STREET	0.16	0.51	04-0008.2	Private	Infiltration Practices	0.03	76.21217237	36.93054632	Yes	1/22/2007	Active	CB26
Duplex	9547	10TH BAY STREET	0.30	0.08	04-0012.1	Private	Infiltration Practices	0.15	76.20659069	36.93071677	Yes	1/19/2007	Active	CB26
Duplex	9547	10TH BAY STREET	0.30	0.08	04-0012.2	Private	Infiltration Practices	0.15	76.20666847	36.9305431	Yes	1/19/2007	Active	CB26
Duplex	240	W Ocean View Avenue	0.26	0.16	04-0013.1	Private	Infiltration Practices	1.33	76.25464039	36.95730218	No	1/1/2009	Active	JL57
Colonial Chevrolet	6252	E VIRGINIA BEACH BOULEVARD	10.72	10.32	04-0018.1	Private	Manufactured Treatment Device	7.42	76.19194316	76.19194316	No	2/9/2005	Active	JL54
Duplex	2807	PLEASANT AVENUE	0.12	0.06	04-0019.1	Private	Infiltration Practices	65.00	76.20801092	36.93174377	No	6/9/2008	Active	CB26
Duplex	2807	PLEASANT AVENUE	0.12	0.06	04-0019.2	Private	Infiltration Practices	0.07	76.20779902	36.93172661	Yes	6/9/2008	Active	CB26
AAAA Self Storage	5680	LOWERY ROAD	2.00	1.39	04-0023.1	Private	Manufactured Treatment Device	0.33	76.21244995	36.86317551	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2.00	1.39	04-0023.2	Private	Manufactured Treatment Device	0.33	76.21236119	36.86308443	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2.00	1.39	04-0023.3	Private	Manufactured Treatment Device	0.33	76.21211473	36.86282674	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2.00	1.39	04-0023.4	Private	Manufactured Treatment Device	0.33	76.21203734	36.86274715	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2.00	1.39	04-0023.5	Private	Manufactured Treatment Device	0.33	76.21198498	36.86243354	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2.00	1.39	04-0023.6	Private	Manufactured Treatment Device	0.33	76.21207437	36.86237834	Yes	10/11/2005	Active	JL54
Vinings Landing Marine Center	8166	Shore Drive	4.42	2.39	04-0026.1	Private	Manufactured Treatment Device	3.76	76.19062949	36.92302608	No	12/21/2004	Active	CB26

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Vinings Landing Marine Center	8166	SHORE DRIVE	4.42	2.39	04-0026.2	Private	Manufactured BMP Systems	3.57	76.19038066	36.92270626	No	12/21/2004	Active	CB26
Vinings Landing Marine Center	8166	SHORE DRIVE	4.42	2.39	04-0026.3	Private	Manufactured BMP Systems	3.57	76.18987473	36.92242086	No	12/21/2004	Active	CB26
Public Storage	854	WIDGEON ROAD	3.77	3.01	04-0030.1	Private	Extended Detention Basin	1.89	76.25500187	36.90314136	Yes	5/10/2005	Active	JL56
Public Storage	854	WIDGEON ROAD	3.77	3.01	04-0030.2	Private	Extended Detention Basin	1.89	76.25428304	36.90357247	Yes	5/10/2005	Active	JL56
Agent Wall Systems	895	NORFOLK SQUARE	0.46	0.30	04-0031.1	Private	Infiltration Practices	0.46	76.2330024	36.85314611	Yes	1/26/2005	Active	JL54
THR Park	801	E 25th Street	1.03	0.81	04-0036.1	Private	Infiltration Practices	0.32	76.27687054	36.8695213	Yes	5/6/2009	Active	JL56
THR Park	801	E 25th Street	1.03	0.81	04-0036.2	Private	Manufactured Treatment Device	0.25	76.27631322	36.86936221	Yes	5/6/2009	Active	JL56
Claremont Commons	1201	Redgate Avenue	0.34	0.23	04-0045.1	Private	Infiltration Practices	0.22	76.30728646	36.86650999	No	7/22/2005	Active	JL56
Claremont Commons	1201	Redgate Avenue	0.34	0.23	04-0045.2	Private	Manufactured Treatment Device	0.22	76.30730795	36.866387	No	7/22/2005	Active	JL56
St. Paul's Place Condo	423	Saint Pauls Boulevard	2.21	1.74	04-0055.1	Private	Infiltration Practices	0.43	76.28567721	36.85019335	No	12/1/2005	Active	JL54
Duplex	9629	16th Bay Street	0.17	0.05	04-0056.1	Private	Infiltration Practices	0.09	76.19893808	36.93113959	No	1/6/2005	Active	CB26
New Life Worship Center	925	Briar Hill Road	2.77	0.97	04-0058.1	Private	Infiltration Practices	1.86	76.21464914	36.85484214	Yes	8/16/2006	Active	JL54
New Life Worship Center	925	Briar Hill Road	2.77	0.97	04-0058.2	Private	Infiltration Practices	0.69	76.21590258	36.85529746	Yes	8/16/2006	Active	JL54
New Life Worship Center	925	Briar Hill Road	2.77	0.97	04-0058.3	Private	Grass Channel	0.70	76.21581648	36.85502823	Yes	1/1/2008	Active	JL54
Duplex - Willoughby	1109	LITTLE BAY AVENUE	0.13	0.08	04-0062.1	Private	Infiltration Practices	0.08	76.28214668	36.96591795	Yes	9/28/2007	Active	CB26
Norfolk Commerce Park	5375	HENNEMAN DRIVE	1.00	0.72	04-0066.1	Private	Manufactured Treatment Device	1.00	76.21876945	36.87717931	No	9/21/2007	Active	CB26
Miller Gas Station	4900	HAMPTON BOULEVARD	1.26	1.02	04-0067.1	Private	Manufactured Treatment Device	0.15	76.30185023	36.88833951	Yes	8/23/2005	Active	JL56
Duplex	1106	Little Bay Avenue	0.17	0.09	04-0072.1	Private	Bioretention	0.00	76.28180805	36.96634459	No	9/23/2005	Active	CB26
Condo Lots A, B & C	9505	10TH BAY STREET	0.45	0.24	04-0094.1	Private	Infiltration Practices	0.45	76.20712978	36.92955416	Yes	5/6/2008	Active	CB26
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.1	Private	Detention Basin	0.00	76.2348263	36.86360615	Yes	11/1/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.2	Private	Manufactured Treatment Device	0.27	76.23453907	36.86413461	Yes	11/1/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.3	Private	Manufactured Treatment Device	0.27	76.23416916	36.86417268	Yes	11/1/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.4	Private	Manufactured Treatment Device	0.29	76.2341182	36.86425208	Yes	11/1/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.5	Private	Manufactured Treatment Device	0.14	76.23367295	36.86428856	Yes	11/1/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.6	Private	Grass Channel	0.00	76.23346374	36.86396023	Yes	11/1/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.1	Private	Manufactured Treatment Device	0.22	76.2134014	36.86086253	Yes	7/22/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.2	Private	Manufactured Treatment Device	0.24	76.21321515	36.86167923	Yes	7/22/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.3	Private	Manufactured Treatment Device	0.08	76.21363963	36.86152764	Yes	7/22/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.4	Private	Manufactured Treatment Device	1.64	76.21366906	36.8613376	Yes	7/22/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.5	Private	Detention Basin	0.21	76.21338335	36.86142267	Yes	7/22/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.6	Private	Manufactured Treatment Device	2.06	76.21352989	36.86147871	Yes	7/22/2005	Active	JL54
Church Street Executive Office Park	1751	CHURCH STREET	6.14	3.93	04-0112.1	Private	Wet Pond	4.42	76.27915788	36.86298421	No	6/20/2006	Active	JL56
Parking Lot Addition	8111	SHORE DRIVE	0.37	0.22	04-0115.1	Private	Grass Channel	0.35	76.19284323	36.92145482	Yes	4/20/2006	Active	CB26
Parking Lot Addition	8111	SHORE DRIVE	0.37	0.22	04-0115.2	Private	Manufactured Treatment Device	0.18	76.19288461	36.92159902	Yes	4/20/2006	Active	CB26
Parking Lot Addition	8111	SHORE DRIVE	0.37	0.22	04-0115.3	Private	Manufactured Treatment Device	0.18	76.19282024	36.9216391	Yes	4/20/2006	Active	CB26
Grandy Village Roadway	0	Kimball Loop	10.92	1.25	04-0119.1	Public	Grass Channel	10.92	76.25237337	36.84104129	No	1/1/2005	Active	JL54
FOR Kids Residence	840	38TH STREET	0.13	0.07	04-0120.1	Private	Infiltration Practices	0.13	76.29644667	36.88008645	No	10/5/2005	Active	JL56
Duplex	848	38th Street	0.12	0.07	04-0125.1	Private	Infiltration Practices	0.13	76.29688333	36.88005996	Yes	11/16/2006	Active	JL56
Bradco Supply Corporation Parking Lot Addition	3747	Village Avenue	3.69	3.12	04-0127.1	Private	Extended Detention Basin	1.45	76.2375348	36.86015754	Yes	4/17/2006	Active	JL54
Townhomes	1407	Colonial Avenue	0.17	0.14	04-0132.1	Private	Infiltration Practices	0.06	76.29359623	36.86532018	Yes	8/2/2006	Active	JL56
Townhomes	1407	Colonial Avenue	0.17	0.14	04-0132.2	Private	Permeable Pavement	0.36	76.2938014	36.86534639	Yes	8/2/2006	Active	JL56
Baywalk Townhouses	9637	Capeview Avenue	0.48	0.29	04-0133.1	Private	Infiltration Practices	0.24	76.22279928	36.93766749	Yes	4/19/2006	Active	CB26
Baywalk Townhouses	9637	Capeview Avenue	0.48	0.29	04-0133.2	Private	Infiltration Practices	0.24	76.22336522	36.93780684	Yes	4/19/2006	Active	CB26
Saint Pius Church Addition	7800	Halprin Drive	0.14	0.11	04-0135.1	Private	Grass Channel	0.11	76.21955984	36.91353543	No	11/22/2005	Active	CB26
Trader Square	150	Granby Street	0.72	0.72	04-0136.1	Private	Manufactured Treatment Device	0.36	76.29164747	36.8473756	Yes	12/12/2006	Active	JL56
Trader Square	150	Granby Street	0.72	0.72	04-0136.2	Private	Manufactured Treatment Device	0.36	76.2909985	36.84772257	Yes	12/12/2006	Active	JL56
Family Dollar	1809	WEBSTER AVENUE	0.77	0.54	04-0140.1	Private	Detention Basin	0.42	76.26759306	36.86995461	Yes	1/1/2011	Active	JL56
Duplex	9509	14th Bay Street	0.17	0.10	04-0148.1	Private	Infiltration Practices	0.17	76.20248156	36.92804737	Yes	10/3/2006	Active	CB26
Warehouse / Office Building	2635	Nevada Avenue	0.22	0.17	04-0152.1	Private	Infiltration Practices	0.22	76.24681712	36.87129575	Yes	5/30/2005	Active	JL56
Cape Henry Subdivision	3651	Cape Henry Avenue	4.00	1.89	05-0008.1	Public	Detention Basin	2.91	76.23785965	36.86795825	Yes	5/14/2007	Active	JL56
Cape Henry Subdivision	3651	Cape Henry Avenue	4.00	1.89	05-0008.2	Public	Detention Basin	1.76	76.24145865	36.86660015	Yes	5/14/2007	Active	JL56
Cape Henry Subdivision	3651	Cape Henry Avenue	4.00	1.89	05-0008.3	Public	Grass Channel	2.72	76.24268194	36.86586844	Yes	5/14/2007	Active	JL56
Laundromat, Shops, Offices	6138	Chesapeake Boulevard	0.80	0.55	05-0009.1	Private	Infiltration Practices	0.80	76.23700694	36.89141458	Yes	8/28/2006	Active	JL56
Warehouse extension	1150	E Olney Road	1.91	0.83	05-0016.1	Private	Detention Basin	1.91	76.27365663	36.85191845	Yes	2/2/2006	Active	JL56
Gifford Office	1547	E LITTLE CREEK ROAD	1.55	1.20	05-0023.1	Private	Manufactured Treatment Device	0.77	76.23198831	36.9163264	Yes	12/1/2006	Active	CB26
Gifford Office	1547	E LITTLE CREEK ROAD	1.55	1.20	05-0023.2	Private	Infiltration Practices	0.77	76.23175786	36.91631807	Yes	12/1/2006	Active	CB26
Berkley Center	201	E BERKLEY AVENUE	6.50	5.27	05-0025.1	Private	Wet Pond	6.50	76.28111317	36.83177519	Yes	12/6/2005	Active	JL54
WaWa Food Market	975	E Little Creek Road	2.89	1.88	05-0040.1	Private	Wet Pond	2.89	76.2427549	36.91442235	Yes	11/8/2006	Active	JL56
Wawa Food Market	8105	Hampton Boulevard	1.50	1.26	05-0046.1	Private	Manufactured Treatment Device	0.21	76.31781047	36.92659203	Yes	12/15/2006	Active	JL57
Wawa Food Market	8105	Hampton Boulevard	1.50	1.26	05-0046.2	Private	Manufactured Treatment Device	0.21	76.31838245	36.92660758	Yes	12/15/2006	Active	JL57
Wawa Food Market	8105	Hampton Boulevard	1.50	1.26	05-0046.3	Private	Manufactured Treatment Device	0.21	76.31786794	36.92742974	Yes	12/15/2006	Active	JL57
Duplex Lots 59 & 60	9545	20th Bay Street	0.17	0.09	05-0049.1	Private	Infiltration Practices	0.17	76.19482117	36.92738912	Yes	4/9/2007	Active	CB26
Duplex Lots 61 & 62	9543	20th Bay Street	0.17	0.09	05-0051.1	Private	Infiltration Practices	0.17	76.19480507	36.92725618	Yes	4/12/2007	Active	CB26
Norfolk Cruise Terminal	111	Waterside Drive	1.15	0.47	05-0060.1	Public	Manufactured Treatment Device	0.58	76.29460553	36.84699179	Yes	3/26/2007	Active	JL56
Norfolk Cruise Terminal	111	Waterside Drive	1.15	0.47	05-0060.2	Public	Manufactured Treatment Device	0.58	76.29572626	36.84811893	Yes	3/26/2007	Active	JL56
Duplex - Lot 5 blk 3	1020	HILLSIDE AVENUE	0.17	0.10	05-0061.1	Private	Infiltration Practices	0.09	76.24034184	36.9461794	Yes	5/7/2008	Active	CB26
Duplex - Lot 5 blk 3	1020	HILLSIDE AVENUE	0.17	0.10	05-0061.2	Private	Infiltration Practices	0.09	76.24029333	36.94614535	Yes	5/7/2008	Active	CB26
Duplex - Lot 6 blk3	1016	Hillside Avenue	0.17	0.10	05-0062.1	Private	Infiltration Practices	0.09	76.24061369	36.94616188	Yes	5/7/2008	Active	CB26
Duplex - Lot 6 blk3	1016	Hillside Avenue	0.17	0.10	05-0062.2	Private	Infiltration Practices	0.09	76.24027284	36.94638971	Yes	5/7/2008	Active	CB26
Duplex - Lot 7 blk 3	1012	Hillside Avenue	0.17	0.10	05-0063.1	Private	Infiltration Practices	0.09	76.24073252	36.9462782	Yes	5/7/2008	Active	CB26
Duplex - Lot 7 blk 3	1012	Hillside Avenue	0.17	0.10	05-0063.2	Private	Infiltration Practices	0.09	76.24047368	36.94648361	Yes	5/7/2008	Active	CB26
Harbor Heights	123	College Place	1.23	0.93	05-0073.1	Private	Manufactured Treatment Device	0.51	76.29151287	36.85004228	Yes	9/24/2007	Active	JL56
Walmart @ Tidewater	7530	TIDEWATER DRIVE	37.90	32.52	05-0074.1	Private	Wet Pond	36.60	76.2523143	36.91074227	Yes	3/16/2007	Active	JL56
Walmart @ Tidewater	7530	TIDEWATER DRIVE	37.90	32.52	05-0074.2	Private	Manufactured Treatment Device	5.69	76.25249669	36.91152719	Yes	3/16/2007	Active	JL56
Walmart @ Tidewater	7530	TIDEWATER DRIVE	37.90	32.52	05-0074.3	Private	Manufactured Treatment Device	5.69	76.2534661	36.91175385	Yes	3/16/2007	Active	JL56
Gypsum Plant Expansion	1424	SOUTH MAIN STREET	32.90	17.44	05-0075.1	Private	Extended Detention Basin	32.90	76.28675221	36.82266429	Yes	11/17/2006	Active	JL53
Shorewood Shores-Phase 1	415	Shorewood Court	3.21	1.53	05-0082.5	Public	Manufactured Treatment Device	0.51	76.21364243	36.83419539	No	1/9/2014	Active	JL56
Shorewood Shores-Phase 1	415	Shorewood Court	3.21	1.53	05-0082.4	Public	Manufactured Treatment Device	0.51	76.21351467	36.83425062	No	1/9/2014	Active	JL56
Shorewood Shores-Phase 1	415	Shorewood Court	3.21	1.53	05-0082.3	Public	Manufactured Treatment Device	0.51	76.21358028	36.83345176	No	1/9/2014	Active	JL56
Shorewood Shores-Phase 1	415	Shorewood Court	3.21	1.53	05-0082.2	Public	Manufactured Treatment Device	0.51	76.21348098	36.83348822	No	1/9/2014	Active	JL56
Shorewood Shores-Phase 1	415	Shorewood Court	3.21	1.53	05-0082.1	Public	Manufactured Treatment Device	0.51	76.21364129	36.83424544	No	1/9/2014	Active	JL56
Shorewood Shores-Phase 1	415	Shorewood Court	3.21	1.53	05-0082.6	Public	Manufactured Treatment Device	0.51	76.21351643	36.83420047	No	1/9/2014	Active	JL56
Walgreens	1157	N Military Highway	1.90	1.63	05-0085.1	Private	Detention Basin	4.14	76.21071313	36.86252177	Yes	10/27/2009	Active	JL54
Jacox Elementary School Bus Loop	1300	Marshall Avenue	1.37	0.40	05-0086.1	School	Infiltration Practices	0.69	76.26517281	36.85670234	Yes	10/4/2005	Active	JL56
Jacox Elementary School Bus Loop	1300	Marshall Avenue	1.37	0.40	05-0086.2	School	Infiltration Practices	0.69	76.26532837	36.85642549	Yes	10/4/2005	Active	JL56
Sherwood Forest Elementary School	3035	Sherwood Forest Lane	0.66	0.24	05-0087.1	School	Detention Basin	0.66	76.23786256	36.87805771	Yes	10/20/2005	Active	JL56
Ghent Elementary School Bus Loop	200	Shirley Avenue	0.92	0.44	05-0088.1	School	Infiltration Practices	0.92	76.288179	36.86466297	Yes	8/1/2005	Active	JL56
Duplex	9612	Grove Avenue	0.26	0.08	05-0090.1	Private	Infiltration Practices	0.13	76.22565177	36.93776102	Yes	2/19/2008	Active	CB26
Duplex	9612	Grove Avenue	0.26	0.08	05-0090.2	Private	Infiltration Practices	0.13	76.22598946	36.93797629	Yes	2/19/2008	Active	CB26

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Ruby Tuesday	4213	E Little Creek Road	0.79	0.75	05-0093.1	Private	Manufactured Treatment Device	0.79	76.19413096	36.91742662	Yes	11/14/2006	Active	CB26
Tanner's Landing	4250	Granby Street	1.54	0.91	05-0097.1	Private	Manufactured Treatment Device	0.77	76.28048951	36.8859345	No	7/12/2007	Active	JL56
Tanner's Landing	4250	Granby Street	1.54	0.91	05-0097.2	Private	Manufactured Treatment Device	0.77	76.28037178	36.8859339	No	7/12/2007	Active	JL56
Duplex - Residental houses	4114	Pretty Lake Avenue	0.15	0.07	05-0100.1	Private	Infiltration Practices	0.06	76.19296508	36.92633097	Yes	3/8/2006	Active	CB26
Duplex - Residental houses	4114	Pretty Lake Avenue	0.15	0.07	05-0100.2	Private	Infiltration Practices	0.06	76.19297044	36.92631918	Yes	3/8/2006	Active	CB26
Pretlow Library	111	W Ocean View Avenue	3.15	0.96	05-0105.1	Public	Infiltration Practices	3.15	76.25126933	36.95298495	No	12/20/2007	Active	CB26
Campostella Heights Seventh Day Adventist Church	1006	Oakwood Street	1.00	0.69	05-0110.1	Private	Infiltration Practices	1.00	76.25934973	36.83183314	Yes	9/5/2006	Active	JL53
Water's Edge	390	S MILITARY HIGHWAY	7.08	0.28	05-0113.1	Private	Bioretention	2.36	76.2090204	36.833770051	Yes	1/1/2007	Active	JL54
Water's Edge	390	S MILITARY HIGHWAY	7.08	0.28	05-0113.2	Private	Bioretention	2.36	76.20914649	36.8339012	Yes	1/1/2007	Active	JL54
Water's Edge	390	S MILITARY HIGHWAY	7.08	0.28	05-0113.3	Private	Bioretention	2.36	76.20935647	36.83461123	Yes	1/1/2007	Active	JL54
Duplex	9634	7TH BAY STREET	0.17	0.07	05-0114.1	Private	Infiltration Practices	0.15	76.20889244	36.93333475	No	5/23/2008	Active	CB26
Duplex	9569	7th Bay Street	0.17	0.09	05-0116.1	Private	Bioretention	0.17	76.20984162	36.93194521	No	10/2/2007	Active	CB26
Taco Bell	4009	Hampton Boulevard	0.77	0.55	05-0123.1	Private	Manufactured Treatment Device	0.25	76.30255506	36.88183131	Yes	12/27/2005	Active	JL56
Taco Bell	4009	Hampton Boulevard	0.77	0.55	05-0123.2	Private	Manufactured Treatment Device	0.20	76.30261817	36.88185714	Yes	12/27/2005	Active	JL56
Taco Bell	4009	Hampton Boulevard	0.77	0.55	05-0123.3	Private	Manufactured Treatment Device	0.31	76.3029985	36.88132168	Yes	12/27/2005	Active	JL56
Duplex	3023	Pleasant Avenue	0.16	0.08	05-0124.1	Private	Infiltration Practices	0.17	76.20567698	36.93143983	Yes	10/31/2006	Active	CB26
Bauer Compressors - Building Expansion	1328	AZALEA GARDEN ROAD	5.01	3.62	05-0128.1	Private	Wet Pond	5.01	76.23218731	36.86280039	Yes	7/31/2006	Active	JL54
Condo (24 units)	450	W Princess Anne Road	0.38	0.30	05-0132.1	Private	Manufactured Treatment Device	0.03	76.2938191	36.86367837	Yes	2/14/2007	Active	JL56
Residental Dwellings	9628	7th Bay Street	0.17	0.10	05-0137.1	Private	Bioretention	0.17	76.20898054	36.93323707	Yes	5/21/2009	Active	CB26
McRae Commons Condo Units	915	Colley Avenue	0.46	0.35	05-0145.1	Private	Infiltration Practices	0.37	76.30079221	36.86425772	Yes	4/19/2007	Active	JL56
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.1	Private	Manufactured Treatment Device	0.17	76.20670775	36.84875983	Yes	11/7/2008	Active	JL54
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.2	Private	Manufactured Treatment Device	0.18	76.20602223	36.84876894	Yes	11/7/2008	Active	JL54
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.3	Private	Manufactured Treatment Device	0.28	76.20512315	36.848760111	Yes	11/7/2008	Active	JL54
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.4	Private	Wet Pond	2.50	76.20743967	36.84740069	Yes	1/1/2000	Active	JL54
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.5	Private	Infiltration Practices	1.41	76.20541438	36.84807728	Yes	1/1/1992	Active	JL54
AAAA Self Storage Facility	408	18th Street	1.52	1.48	05-0149.1	Private	Infiltration Practices	1.52	76.2822366	36.86515817	Yes	10/16/2009	Active	JL56
Norfolk Christian School	255	Thole Street	9.50	3.24	05-0153.1	Private	Detention Basin	9.50	76.27052055	36.90460833	No	10/21/2002	Active	JL56
Rotunda Condominiums	415	Saint Pauls Boulevard	1.35	1.04	05-0156.1	Private	Manufactured Treatment Device	0.33	76.2846602	36.84870901	Yes	11/7/2007	Active	JL56
Rotunda Condominiums	415	Saint Pauls Boulevard	1.35	1.04	05-0156.2	Private	Manufactured Treatment Device	0.37	76.28492204	36.84938394	Yes	12/3/2007	Active	JL54
Rotunda Condominiums	415	Saint Pauls Boulevard	1.35	1.04	05-0156.3	Private	Manufactured Treatment Device	0.30	76.28485675	36.84870184	Yes	12/3/2007	Active	JL56
AAA Parking Lot Expansion	5732	E Virginia Beach Boulevard	1.15	1.03	05-0157.1	Private	Manufactured Treatment Device	0.46	76.20834941	36.85658921	Yes	1/1/2007	Active	JL54
Nash Warehouse	1133	Kingwood Avenue	9.20	6.33	05-0165.1	Private	Manufactured Treatment Device	6.27	76.2402846	36.85601235	No	3/29/2006	Active	JL54
Nash Warehouse	1133	Kingwood Avenue	9.20	6.33	05-0165.2	Private	Manufactured Treatment Device	2.10	76.23722152	36.85612717	Yes	3/29/2006	Active	JL54
Nash Warehouse	1133	Kingwood Avenue	9.20	6.33	05-0165.3	Private	Detention Basin	5.80	76.23913527	36.8593236	Yes	3/29/2006	Active	JL54
CHKD Parking Lot	929	Redgate Avenue	0.27	0.56	05-0169.1	Private	Permeable Pavement	0.06	76.30337669	36.86464491	No	1/1/2006	Active	JL56
Duplex	9634	14th Bay Street	0.18	0.10	05-0170.1	Private	Bioretention	0.05	76.20100708	36.93131259	Yes	1/14/2009	Active	CB26
Duplex	9634	14th Bay Street	0.18	0.10	05-0170.2	Private	Bioretention	0.05	76.20086708	36.93131959	Yes	1/14/2009	Active	CB26
Duplex	9634	14th Bay Street	0.18	0.10	05-0170.3	Private	Bioretention	0.05	76.20096408	36.93143259	Yes	1/14/2009	Active	CB26
Duplex	9634	14th Bay Street	0.18	0.10	05-0170.4	Private	Bioretention	0.05	76.20069708	36.93124759	Yes	1/14/2009	Active	CB26
Fentress Court Subdivision	9500	FENTRESS COURT	1.18	0.66	05-0175.1	Private	Grass Channel	1.18	76.22528772	36.93635486	No	1/1/2008	Active	CB26
Riverpoint Condos	6111	Granby Street	2.20	1.29	05-0176.1	Private	Infiltration Practices	0.64	76.28054966	36.89755654	Yes	11/26/2007	Active	JL56
Little Creek Self Storage	1806	E Little Creek Road	1.27	1.00	05-0179.1	Private	Bioretention	0.18	76.22651018	36.91656024	Yes	10/8/2007	Active	JL57
Little Creek Self Storage	1806	E Little Creek Road	1.27	1.00	05-0179.2	Private	Bioretention	0.06	76.22564352	36.91636425	Yes	10/8/2007	Active	CB26
Warehouses	5819	Hargrove Street	0.27	0.18	05-0180.1	Private	Extended Detention Basin	0.28	76.20590385	36.84394217	No	4/13/2007	Active	JL54
Janaf Shopping Center	1140	N Military Highway	4.34	3.77	05-0181.1	Private	Infiltration Practices	3.47	76.20882924	36.86036919	Yes	10/24/2006	Active	JL54
Janaf Shopping Center	1140	N Military Highway	4.34	3.77	05-0181.2	Private	Infiltration Practices	0.35	76.20855633	36.86022005	Yes	10/24/2006	Active	JL54
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.1	Private	Grass Channel	0.67	76.19912094	36.9172423	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.2	Private	Grass Channel	0.40	76.20003568	36.91729347	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.3	Private	Manufactured Treatment Device	0.67	76.19945411	36.91723302	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.4	Private	Manufactured Treatment Device	0.67	76.19913511	36.91749517	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.5	Private	Grass Channel	0.68	76.19899266	36.91690775	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.6	Private	Manufactured Treatment Device	0.68	76.19929869	36.91703263	Yes	11/30/2006	Active	CB26
Office Warehouse	2640	Nevada Avenue	0.86	0.64	05-0195.1	Private	Extended Detention Basin	0.86	76.24632762	36.87153286	Yes	1/2/2006	Active	JL56
Third Police Precinct Parking Lot Addition	1013	Goff Street	1.30	0.77	05-0200.1	Public	Extended Detention Basin	1.30	76.2714837	36.85786733	Yes	9/30/2006	Active	JL56
Townhouses	873	W 42nd Street	0.46	0.31	06-0003.1	Private	Extended Detention Basin	0.44	76.30492896	36.91213027	Yes	8/8/2006	Active	JL56
Duplex	1400	E Ocean View Avenue	0.11	0.02	06-0005.1	Private	Bioretention	0.99	76.23260353	36.94261246	Yes	1/1/2008	Active	CB26
Duplex	9516	14th Bay Street	0.22	0.11	06-0009.1	Private	Bioretention	0.22	76.20187824	36.92802559	Yes	8/22/2011	Active	CB26
Duplex	9512	14th Bay Street	0.22	0.11	06-0009.2	Private	Bioretention	0.22	76.20160764	36.92800469	Yes	8/22/2011	Active	CB26
Duplex	1342	Little Bay Avenue	0.17	0.09	06-0014.1	Private	Bioretention	0.09	76.29002341	36.9662147	Yes	9/11/2008	Active	CB26
Duplex	1342	Little Bay Avenue	0.17	0.09	06-0014.2	Private	Bioretention	0.09	76.28992264	36.96620823	Yes	9/11/2008	Active	JL57
Duplex Lot "C"	1067	W OCEAN VIEW AVENUE	0.20	0.15	06-0015.1	Private	Infiltration Practices	0.10	76.28055092	36.96678386	Yes	11/30/2009	Active	JL56
Social Security Building	5850	Lake Herbert Drive	4.99	2.78	06-0016.1	Private	Infiltration Practices	4.99	76.20780018	36.86888082	Yes	6/18/2007	Active	JL54
Palace Station, LLC	404	W 22ND STREET	2.76	2.50	06-0019.1	Private	Manufactured Treatment Device	1.85	76.28871691	36.86949787	Yes	5/15/2006	Active	JL56
Wash Land	6600	N MILITARY HIGHWAY	0.64	0.42	06-0020.1	Private	Extended Detention Basin	0.64	76.22810201	36.90126675	Yes	5/24/2006	Active	CB26
EG Middleton Office Addition	2510	CROMWELL ROAD	0.76	0.51	06-0023.1	Private	Infiltration Practices	0.76	76.24904636	36.86697814	Yes	12/7/2006	Active	JL54
Norfolk Apostolic Church Parking Lot	3131	Azalea Garden Road	1.99	1.50	06-0026.1	Private	Bioretention	1.99	76.22599248	36.88229597	Yes	1/1/2007	Active	CB26
La Quinta Hotel	1387	N Military Highway	1.22	0.86	06-0030.1	Private	Detention Basin	1.22	76.21169662	36.87096676	Yes	6/5/2008	Active	JL54
McKann Ave Street Expansion	2516	MCKANN AVENUE	1.55	0.59	06-0032.1	Public	Manufactured BMP Systems	0.59	76.25485167	36.86624562	Yes	4/28/2009	Active	JL56
McKann Ave Street Expansion	2521	MCKANN AVENUE	1.55	0.59	06-0032.2	Public	Manufactured BMP Systems	0.52	76.25485703	36.86599133	Yes	4/28/2009	Active	JL56
Newtowne South Townhomes	6601	Stoney Point Way	1.90	0.68	06-0036.1	Private	Detention Basin	1.90	76.18177797	36.85072794	Yes	3/19/2018	Active	JL54
Newtowne South Townhomes	6601	Stoney Point Way	1.90	0.68	06-0036.2	Private	Detention Basin	1.90	76.18201527	36.85115325	Yes	3/19/2018	Active	JL54
Commander Corporate Center	6160	COMMANDER PARKWAY	10.72	6.05	06-0040.1	Private	Wet Pond	10.72	76.20188913	36.88236451	Yes	1/1/2007	Active	CB26
Medical Office Building	5665	Lowery Road	0.79	0.52	06-0042.1	Private	Extended Detention Basin	0.80	76.2128213	36.86170507	Yes	6/28/2007	Active	JL54
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.40	0.20	06-0044.1	Public	Manufactured Treatment Device	0.40	76.21280796	36.83416743	Yes	12/2/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.40	0.20	06-0044.2	Public	Manufactured Treatment Device	0.40	76.21280583	36.83422319	Yes	12/2/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.40	0.20	06-0044.3	Public	Manufactured Treatment Device	0.40	76.21267954	36.83422002	Yes	12/2/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.40	0.20	06-0044.4	Public	Manufactured Treatment Device	0.40	76.21268168	36.8341639	Yes	12/2/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.40	0.20	06-0044.5	Public	Manufactured Treatment Device	0.40	76.21279736	36.83325919	Yes	12/2/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.40	0.20	06-0044.6	Public	Manufactured Treatment Device	0.40	76.21270854	36.83326783	Yes	12/2/2013	Active	JL56
Duplex	2617	Minnesota Avenue	0.81	0.44	06-0045.1	Public	Manufactured Treatment Device	0.15	76.24563292	36.8711831	Yes	3/18/2008	Active	JL56
Duplex	2617	Minnesota Avenue	0.81	0.44	06-0045.2	Public	Bioretention	0.52	76.24547736	36.87090201	Yes	3/18/2008	Active	JL56
Duplex	2617	Minnesota Avenue	0.81	0.44	06-0045.3	Public	Manufactured Treatment Device	0.15	76.24553905	36.87123031	Yes	3/18/2008	Active	JL56
Duplex	9537	11TH BAY STREET	0.34	0.19	06-0046.1	Private	Infiltration Practices	0.15	76.20542125	36.93026652	Yes	5/2/2008	Active	CB26
Duplex	9539	11th Bay Street	0.34	0.19	06-0047.1	Private	Infiltration Practices	0.15	76.20534883	36.93041446	Yes	5/2/2008	Active	CB26
Jet Aircraft Ground Run-Up Enclosure	2200	Norview Avenue	9.30	2.14	06-0048.1	Private	Infiltration Practices	1.68	76.20542107	36.93026659	Yes	6/8/2007	Active	CB26
Shamrock Gardens	8115	REDMON ROAD	0.46	0.25	06-0051.1	Private	Infiltration Practices	0.47	76.19924168	36.92214859	Yes	6/6/2008	Active	CB26
Shamrock Gardens	8107	REDMON ROAD	0.43	0.25	06-0052.1	Private	Infiltration Practices	0.43	76.199227	36.92186875	Yes	10/27/2010	Active	CB26
Duplex	1156	Toler Place	0.19	0.06	06-0056.1	Private	Infiltration Practices	0.10	76.28360596	36.96831019	Yes	11/13/2008	Active	CB26
Duplex	1156	Toler Place	0.19	0.06	06-0056.2	Private	Infiltration Practices	0.10	76.28345852	36.96829977	Yes	11/13/2008	Active	CB26

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Coleman Place Elementary School	2445	Palmyra Street	9.32	4.19	06-0059.1	School	Wet Pond	9.32	76.24007566	36.86981011	Yes	12/11/2008	Active	JL56
Little Creek Retail Shops	7862	TIDEWATER DRIVE	2.23	1.94	06-0062.1	Private	Manufactured Treatment Device	0.25	76.25297412	36.91554285	Yes	2/20/2007	Active	CB26
Duplex	8113	TURNER STREET	0.18	0.09	06-0068.1	Private	Infiltration Practices	0.18	76.19055377	36.9212566	Yes	2/5/2007	Active	CB26
Duplex	516	ASHLAWN DRIVE	0.17	0.09	06-0069.1	Private	Infiltration Practices	0.08	76.25764653	36.91843463	Yes	4/11/2008	Active	JL57
Duplex	516	ASHLAWN DRIVE	0.17	0.09	06-0069.2	Private	Infiltration Practices	3.00	76.25770017	36.91830168	Yes	4/11/2008	Active	JL57
Duplex	544	Ashlawn Drive	0.16	0.09	06-0070.1	Private	Infiltration Practices	0.08	76.25629872	36.9180808	Yes	4/11/2008	Active	JL57
Duplex	544	Ashlawn Drive	0.16	0.09	06-0070.2	Private	Infiltration Practices	0.08	76.25637248	36.91790496	Yes	4/11/2008	Active	JL57
Police Training Center Track	2500	N MILITARY HIGHWAY	1.91	0.57	06-0071.1	Public	Grass Channel	0.13	76.21232359	36.88059585	No	1/1/2007	Active	CB26
Police Training Center Track	2500	N MILITARY HIGHWAY	1.91	0.57	06-0071.2	Public	Extended Detention Basin	1.39	76.21279519	36.88091488	Yes	1/1/2007	Active	CB26
Duplex	1349	LEAD STREET	0.16	0.08	06-0073.1	Private	Extended Detention Basin	0.16	76.26352853	36.85788551	Yes	5/4/2007	Active	JL56
Atlas Masters Company	5552	RABY ROAD	1.00	0.71	06-0078.1	Private	Detention Basin	0.86	76.21777914	36.85892115	Yes	8/29/2007	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.1	Private	Detention Basin	0.49	76.21034377	36.87286921	Yes	11/7/2006	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.2	Private	Detention Basin	0.49	76.2104456	36.87250918	Yes	11/7/2006	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.3	Private	Manufactured Treatment Device	0.22	76.21020811	36.87270748	Yes	7/1/2007	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.4	Private	Manufactured Treatment Device	0.22	76.21027068	36.87263272	Yes	7/1/2007	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.5	Private	Grass Channel	0.27	76.20971681	36.87276417	Yes	11/7/2006	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.6	Private	Grass Channel	0.27	76.20989829	36.87233332	Yes	11/7/2006	Active	JL54
Saint Clair's Law Firm Office Addition	2317	E LITTLE CREEK ROAD	0.40	0.28	06-0090.1	Private	Infiltration Practices	0.40	76.21988689	36.91490442	Yes	10/22/2008	Active	CB26
Calvary Presbyterian Church	150	KEMPSVILLE ROAD	4.74	0.64	06-0091.1	Private	Grass Channel	0.56	76.18800795	36.84396068	Yes	12/17/2007	Active	JL54
Medical Center	302	E LITTLE CREEK ROAD	0.91	0.68	06-0092.1	Private	Bioretention	0.91	76.26499873	36.91858516	Yes	4/25/2007	Active	CB26
Chesterfield Elementary Parking Lot	2915	Westminster Avenue	0.78	0.28	06-0094.1	School	Infiltration Practices	0.78	76.25199681	36.84472854	Yes	8/14/2007	Active	JL54
New Hope United Church of Christ	145	E LIBERTY STREET	0.85	0.56	06-0096.1	Private	Detention Basin	0.85	76.27661926	36.82518088	Yes	3/11/2008	Active	JL54
Roosevelt Family Medicine	2203	E LITTLE CREEK ROAD	1.27	0.65	06-0101.1	Private	Detention Basin	0.39	76.22228907	36.9150696	Yes	3/23/2007	Active	CB26
Sandollar Duplex	915	HILLSIDE AVENUE	0.17	0.09	06-0104.1	Private	Infiltration Practices	0.17	76.24259318	36.9469447	Yes	12/31/2009	Active	CB26
Street Improvements - Ernies Way	951	ERNIES WAY	0.69	0.41	06-0107.1	Public	Bioretention Basins	0.16	76.18258993	36.85368039	No	1/1/2007	Active	JL54
Street Improvements - Ernies Way	951	ERNIES WAY	0.69	0.41	06-0107.2	Public	Grass Channel	0.69	76.18279432	36.85345231	No	1/1/2007	Active	JL54
Widgeon Point	851	Norview Avenue	2.67	1.79	06-0110.1	Private	Manufactured Treatment Device	0.24	76.25423306	36.8901756	Yes	4/8/2009	Active	JL56
Widgeon Point	851	Norview Avenue	2.67	1.79	06-0110.2	Private	Manufactured Treatment Device	0.18	76.25426606	36.8901376	Yes	4/8/2009	Active	JL56
Widgeon Point	851	Norview Avenue	2.67	1.79	06-0110.3	Private	Manufactured Treatment Device	0.17	76.25420406	36.8894636	Yes	4/8/2009	Active	JL56
Widgeon Point	851	Norview Avenue	2.67	1.79	06-0110.4	Private	Manufactured Treatment Device	0.35	76.25417206	36.8894516	Yes	4/8/2009	Active	JL56
VIT Office Building	1431	TERMINAL BOULEVARD	2.61	1.41	06-0112.1	Private	Wet Pond	2.61	76.30119107	36.91826831	No	1/1/2007	Active	JL56
Jack Rabbit Self-Storage	8710	HAMPTON BOULEVARD	1.42	1.05	06-0115.1	Private	Manufactured Treatment Device	1.42	76.31297174	36.93216096	Yes	4/21/2008	Active	JL57
Jack Rabbit Self-Storage	8710	HAMPTON BOULEVARD	1.42	1.05	06-0115.2	Private	Grass Channel	1.00	76.31215422	36.93218274	Yes	4/21/2008	Active	CB26
Norview Community Center	6380	SEWELLS POINT ROAD	3.62	2.21	06-0116.1	Public	Bioretention Basins	1.43	76.24062701	36.89697753	No	1/19/2008	Active	JL54
Norview Community Center	6380	SEWELLS POINT ROAD	3.62	2.21	06-0116.2	Public	Infiltration Practices	0.00	76.23954769	36.89607463	No	1/19/2008	Active	JL56
Grantham Square	7610	RESTMERE ROAD	1.06	0.49	06-0117.1	Private	Permeable Pavement	0.53	76.28158377	36.91641393	Yes	4/9/2008	Active	JL57
Grantham Square	7610	RESTMERE ROAD	1.06	0.49	06-0117.2	Private	Infiltration Practices	0.53	76.28170528	36.91614154	Yes	4/9/2008	Active	JL57
Vulcan Construction Materials, L.P.	966	BALLENTINE BOULEVARD	12.25	10.88	06-0121.1	Private	Detention Basin	2.15	76.24761957	36.85162939	Yes	9/15/2009	Active	JL54
Vulcan Construction Materials, L.P.	966	BALLENTINE BOULEVARD	12.25	10.88	06-0121.2	Private	Detention Basin	2.15	76.24742753	36.85181223	Yes	9/15/2009	Active	JL54
Vulcan Construction Materials, L.P.	966	BALLENTINE BOULEVARD	12.25	10.88	06-0121.3	Private	Wet Pond	6.43	76.24603096	36.85298269	Yes	9/15/2009	Active	JL54
Huntersville II Townhomes	1300	CHURCH STREET	0.75	0.00	06-0123.1	Private	Permeable Pavement	0.53	76.27752368	36.85981159	No	9/15/2009	Active	JL56
First Presbyterian Church	820	COLONIAL AVENUE	2.41	1.79	06-0125.1	Private	Permeable Pavement	0.15	76.29519397	36.86066448	Yes	3/5/2010	Active	JL56
First Presbyterian Church	820	COLONIAL AVENUE	2.41	1.79	06-0125.2	Private	Manufactured Treatment Device	0.21	76.29464155	36.86106048	Yes	3/5/2010	Active	JL56
3608 Sewells Point Rd. Duplex	3608	SEWELLS POINT ROAD	0.17	0.08	06-0128.1	Private	Infiltration Practices	0.11	76.23663401	36.88707711	Yes	11/23/2010	Active	JL56
3608 Sewells Point Rd. Duplex	3608	SEWELLS POINT ROAD	0.17	0.08	06-0128.2	Private	Infiltration Practices	0.11	76.23663401	36.88707711	Yes	11/23/2010	Active	JL56
Townhomes	2400	AZALEA GARDEN ROAD	0.80	0.41	06-0129.1	Private	Detention Basin	0.40	76.23100684	36.87234822	Yes	5/14/2008	Active	CB26
Townhomes	2400	AZALEA GARDEN ROAD	0.80	0.41	06-0129.2	Private	Detention Basin	0.40	76.23100684	36.87234822	Yes	5/14/2008	Active	CB26
Metropolitan Funeral Service	120	W BERKLEY AVENUE	0.98	0.79	06-0134.1	Private	Permeable Pavement	0.81	76.28371921	36.83314107	Yes	4/10/2008	Active	JL53
Marine Hydraulics Incorporated	543	E INDIAN RIVER ROAD	5.07	4.05	06-0135.1	Private	Extended Detention Basin	6.90	76.27642106	36.83394761	Yes	11/21/2007	Active	JL54
Marine Hydraulics Incorporated	543	E INDIAN RIVER ROAD	5.07	4.05	06-0135.2	Private	Manufactured Treatment Device	1.78	76.27180906	36.83207161	Yes	11/21/2007	Active	JL54
Lowe's Garden Expansion	1081	N MILITARY HIGHWAY	1.27	1.09	06-0138.1	Private	Vegetated Filter Strip	1.27	76.21239555	36.85710651	No	11/8/2007	Active	CB26
Tarrallton Elementary Parking Lot	2080	TARRALLTON DRIVE	0.52	0.38	06-0142.1	School	Grass Channel	0.52	76.22237407	36.92594848	No	10/17/2007	Active	CB26
Little Creek Elementary Parking Lot	7900	TARPON PLACE	0.82	0.65	06-0143.1	School	Grass Channel	0.82	76.20913189	36.91790235	No	10/17/2007	Active	CB26
MHI Building Addition and Bulkhead	1215	Warrington Avenue	5.78	4.31	06-0144.1	Private	Manufactured Treatment Device	15.64	76.31099782	36.86371498	Yes	1/1/2010	Active	JL56
Commerce Bank	245	E LITTLE CREEK ROAD	0.51	0.45	06-0146.1	Private	Manufactured Treatment Device	0.51	76.26819406	36.9160246	Yes	12/19/2006	Active	JL56
St. Mary's Mausoleum	3000	Church Street	0.48	0.10	07-0002.1	Private	Detention Basin	0.48	76.28073393	36.87334775	Yes	5/20/2009	Active	JL56
Freemason St. Baptist Church	400	E FREEMASON STREET	1.86	1.23	07-0007.1	Private	Permeable Pavement	8.19	76.28619585	36.8506607	No	12/30/2009	Active	JL56
Norfolk Police Department Firearms Range	1501	Pritchard Street	2.60	1.17	07-0009.1	Public	Infiltration Practices	2.60	76.20492483	36.88158405	No	9/16/2008	Active	CB26
Northside Middle School Parking Lot	8720	Granby Street	1.89	0.11	07-0014.1	School	Bioretention	1.89	76.26208022	36.93524703	No	11/7/2007	Active	JL57
Dey Street and Texas Avenue Roadway Extention	4817	Texas Avenue	0.34	0.19	07-0017.1	Public	Infiltration Practices	0.37	76.23491507	36.8855916	No	1/1/2008	Active	JL56
The Rotunda Lofts parking lot addition	415	Saint Pauls Boulevard	0.30	0.21	07-0021.1	Private	Permeable Pavement	0.03	76.28528842	36.84924277	No	1/1/2007	Active	JL56
Bay Disposal	499	E Indian River Road	16.74	10.38	07-0027.1	Private	Wet Pond	6.33	76.27434776	36.83427584	Yes	8/20/2008	Active	JL54
Tarrallton Park Improvements	2100	TARRALLTON DRIVE	41.60	6.68	07-0031.1	Public	Manufactured Treatment Device	1.30	76.22011043	36.92833399	No	11/2/2017	Active	CB26
St. Paul's Church Parking Lot Expansion	1615	Isaac Street	0.19	0.12	07-0038.1	Private	Bioretention	0.19	76.26575787	36.82629395	No	12/10/2007	Active	JL54
American Tire Distributors	4554	Progress Road	1.60	0.94	07-0039.1	Private	Wet Pond	1.60	76.23238688	36.8664446	Yes	3/25/2008	Active	JL54
Sentara Parking Garage Expansion	801	COLLEY AVENUE	1.27	0.99	07-0042.1	Private	Grass Channel	0.32	76.30024177	36.86266275	Yes	4/30/2010	Active	JL56
Sentara Parking Garage Expansion	801	COLLEY AVENUE	1.27	0.99	07-0042.2	Private	Grass Channel	0.32	76.30046551	36.86328542	Yes	4/30/2010	Active	JL56
Sentara Parking Garage Expansion	801	COLLEY AVENUE	1.27	0.99	07-0042.3	Private	Grass Channel	0.32	76.30066603	36.86337562	Yes	4/30/2010	Active	JL56
First Church of God	8600	Granby Street	1.70	1.07	07-0047.1	Private	Infiltration Practices	0.61	76.26408651	36.93410859	Yes	4/14/2009	Active	JL57
First Church of God	8600	Granby Street	1.70	1.07	07-0047.2	Private	Infiltration Practices	0.12	76.26398727	36.93458241	Yes	4/14/2009	Active	JL57
City Line Self Storage	951	Ernies Way	1.99	1.47	07-0052.1	Private	Extended Detention Basin	1.99	76.18244913	36.85298868	Yes	3/15/2011	Active	JL54
Penske Trucking	4845	BROOKSIDE COURT	7.94	4.04	07-0054.1	Private	Manufactured Treatment Device	0.55	76.22693544	36.86432698	Yes	3/13/2009	Active	JL54
Penske Trucking	4845	BROOKSIDE COURT	7.94	4.04	07-0054.2	Private	Manufactured Treatment Device	0.55	76.22608018	36.86365001	Yes	3/13/2009	Active	JL54
EVMS Parking Addition	855	W BRAMBLETON AVENUE	0.31	0.16	07-0060.1	Private	Grass Channel	0.31	76.30613162	36.85972904	Yes	1/23/2008	Active	JL56
Leigh Medical Office Building	6275	E VIRGINIA BEACH BOULEVARD	2.52	2.07	07-0061.1	Private	Manufactured Treatment Device	0.50	76.19050549	36.85439521	Yes	3/6/2012	Active	JL54
Leigh Medical Office Building	6275	E VIRGINIA BEACH BOULEVARD	2.52	2.07	07-0061.2	Private	Manufactured Treatment Device	0.22	76.19008707	36.85436945	Yes	3/6/2012	Active	JL54
Leigh Medical Office Building	6275	E VIRGINIA BEACH BOULEVARD	2.52	2.07	07-0061.3	Private	Manufactured Treatment Device	0.23	76.19008707	36.85436945	Yes	3/6/2012	Active	JL54
Leigh Medical Office Building	6275	E VIRGINIA BEACH BOULEVARD	2.52	2.07	07-0061.4	Private	Bioretention	0.60	76.19008707	36.85436945	Yes	3/6/2012	Active	JL54
Single Family Condominium	1539	BIRCH STREET	0.11	0.06	07-0062.1	Private	Infiltration Practices	0.11	76.23621226	36.86790209	Yes	7/31/2009	Active	JL54
New Life Christian Center	1046	JOHNSTONS ROAD	0.27	0.16	07-0065.1	Private	Bioretention	0.51	76.24337449	36.90720084	Yes	10/21/2008	Active	CB26
River House Apartments	4233	LLEWELLYN AVENUE	5.65	4.40	07-0073.1	Private	Manufactured Treatment Device	0.21	76.28146081	36.88766498	Yes	1/4/2010	Active	JL56
River House Apartments	4233	LLEWELLYN AVENUE	5.65	4.40	07-0073.2	Private	Manufactured Treatment Device	0.21	76.2813605	36.88763702	Yes	1/4/2010	Active	JL56
Duplex	716	Redgate Avenue	0.13	0.09	07-0074.1	Private	Grass Channel	0.13	76.29933758	36.8631785	Yes	7/22/2008	Active	JL56
Condos/Coffee Shop	201	W 21st Street	3.04	2.80	07-0077.1	Private	Manufactured Treatment Device	3.04	76.28767289	36.8673709	Yes	1/29/2010	Active	JL56
The Market at Ghent	730	W 21st Street	0.20	0.17	07-0084.1	Private	Infiltration Practices	0.20	76.29418666	36.87040526	Yes	4/9/2009	Active	JL56
Barraud Park	2540	BARRAUD AVENUE	25.16	2.79	07-0086.1	Public	Infiltration Practices	0.80	76.26658406	36.86599561	No	6/12/2014	Active	JL56
Downtown Pump Station (PS 145)	718	Yarmouth Street	0.18	0.07	07-0088.1	Public	Manufactured Treatment Device	0.04	76.29346168	36.85461291	No	1/1/2009	Active	JL56
EVMS roadway widening	825	Fairfax Avenue	0.56	0.46	07-0090.1	Private	Bioretention	0.55	76.30286509	36.86009313	Yes	1/1/2009	Active	JL56
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.1	Private	Manufactured Treatment Device	0.44	76.21368626	36.86176084	Yes	6/19/2009	Active	JL54

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Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.2	Private	Manufactured Treatment Device	0.44	76.21375174	36.8617234	Yes	6/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.3	Private	Manufactured Treatment Device	0.44	76.21394499	36.8618533	Yes	6/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.4	Private	Manufactured Treatment Device	0.44	76.21432179	36.86234493	Yes	6/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.5	Private	Manufactured Treatment Device	0.44	76.21438567	36.86231069	Yes	6/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.6	Private	Manufactured Treatment Device	0.44	76.21502165	36.86196597	Yes	6/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.7	Private	Manufactured Treatment Device	0.44	76.21508959	36.86192935	Yes	6/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.8	Private	Manufactured Treatment Device	0.44	76.21493234	36.86138935	Yes	6/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.20	07-0098.9	Private	Manufactured Treatment Device	0.44	76.21489083	36.86133678	Yes	6/19/2009	Active	JL54
Target Expansion	1245	N Military Highway	9.21	8.44	07-0103.1	Private	Manufactured Treatment Device	0.45	76.21184087	36.86583116	Yes	6/17/2008	Active	CB26
Target Expansion	1245	N Military Highway	9.21	8.44	07-0103.2	Private	Manufactured Treatment Device	0.45	76.21176162	36.8652427	Yes	6/17/2008	Active	JL54
Red Cross Parking Lot	611	W BRAMBLETON AVENUE	215.00	0.17	07-0104.1	Private	Manufactured Treatment Device	0.22	76.30162736	36.85642834	Yes	1/1/2010	Active	JL56
Red Cross Parking Lot	611	W BRAMBLETON AVENUE	215.00	0.17	07-0104.2	Private	Manufactured Treatment Device	0.55	76.3016435	36.85645001	Yes	1/1/2010	Active	JL56
Red Cross Parking Lot	611	W BRAMBLETON AVENUE	215.00	0.17	07-0104.3	Private	Manufactured Treatment Device	0.22	76.30176494	36.85616033	Yes	1/1/2010	Active	JL56
Laundromat	5812	POPLAR HALL DRIVE	1.01	0.76	07-0110.1	Private	Detention Basin	0.46	76.20877572	36.84899826	Yes	11/17/2009	Active	JL54
Laundromat	5812	POPLAR HALL DRIVE	1.01	0.76	07-0110.2	Private	Detention Basin	0.46	76.20867072	36.84963097	Yes	11/17/2009	Active	JL54
McDonald's rebuild	7900	Shore Drive	0.93	0.70	07-0113.1	Private	Infiltration Practices	0.67	76.19166908	36.91852259	Yes	10/27/2008	Active	CB26
Eaton Office Park Phase III	173	Kempsville Road	0.60	0.37	07-0123.1	Private	Detention Basin	0.60	76.19106212	36.84285535	Yes	11/3/2008	Active	JL54
Brittany Apartments (6 units)	1336	Picadilly Street	0.46	0.19	07-0125.1	Private	Infiltration Practices	0.46	76.23317406	36.89729217	Yes	1/21/2009	Active	CB26
Trail of the Tiger Exhibit	3500	Granby Street	6.10	2.20	07-0126.1	Public	Manufactured Treatment Device	6.52	76.27678313	36.87716026	Yes	8/3/2010	Active	JL56
Building Addition at Circle South	835	Glenrock Road	1.09	0.76	07-0127.1	Private	Manufactured Treatment Device	0.55	76.2001829	36.85065643	Yes	11/12/2009	Active	JL54
Building Addition at Circle South	835	Glenrock Road	1.09	0.76	07-0127.2	Private	Manufactured Treatment Device	0.00	76.20069789	36.85063497	Yes	11/12/2009	Active	JL54
Building Addition at Circle South	835	Glenrock Road	1.09	0.76	07-0127.3	Private	Manufactured Treatment Device	0.55	76.20069789	36.85063497	No	11/12/2009	Active	JL56
Southwind Apartments	7824	Dallas Street	5.90	4.02	08-0001.1	Private	Wet Pond	3.51	76.25860408	36.91688421	Yes	1/30/2009	Active	JL56
Uncle Bob's Self Storage Expansion	1213	E BRAMBLETON AVENUE	2.75	2.75	08-0007.1	Private	Manufactured Treatment Device	0.46	76.27513453	36.84859166	Yes	1/16/2014	Active	JL54
Lamberts Point Community Center	1251	W 42ND STREET	2.49	1.09	08-0008.2	Public	Manufactured Treatment Device	2.49	76.30402947	36.88242883	Yes	2/9/2010	Active	JL56
Lamberts Point Community Center	1251	W 42nd Street	2.49	1.09	08-0008.1	Public	Bioretention	2.49	76.30439885	36.88242883	No	2/9/2010	Active	JL56
Lamberts Point Community Center	1251	W 42nd Street	2.49	1.09	08-0008.3	Public	Permeable Pavement	2.49	76.30443684	36.88225848	No	2/9/2010	Active	JL56
Retail / Offices	2201	COLONIAL AVENUE	1.59	1.43	08-0009.1	Private	Infiltration Practices	0.34	76.29169265	36.87072053	No	7/23/2008	Active	JL56
Retail / Offices	2201	COLONIAL AVENUE	1.59	1.43	08-0009.2	Private	Infiltration Practices	0.26	76.29167882	36.87027621	No	7/23/2008	Active	JL56
Retail / Offices	2201	COLONIAL AVENUE	1.59	1.43	08-0009.3	Private	Infiltration Practices	0.74	76.29204716	36.87023886	No	7/23/2008	Active	JL56
Mulit-Family Housing Unit	1516	NEVADA AVENUE	0.37	0.19	08-0023.1	Private	Bioretention	0.37	76.24164707	36.86476961	Yes	7/23/2010	Active	JL54
Mulit-Family Housing Unit	1516	NEVADA AVENUE	0.37	0.19	08-0023.2	Private	Grass Channel	0.00	76.24140507	36.86493161	Yes	7/23/2010	Active	JL54
Orapax Inn	1300	Redgate Avenue	0.13	0.09	08-0026.1	Private	Permeable Pavement	0.13	76.30838161	36.86751356	Yes	1/1/2009	Active	JL56
Fort Norfolk Plaza	301	RIVERVIEW AVENUE	3.06	2.54	08-0038.1	Private	Manufactured Treatment Device	0.39	76.30725699	36.86147177	Yes	6/2/2010	Active	JL56
Fort Norfolk Plaza	301	RIVERVIEW AVENUE	3.06	2.54	08-0038.2	Private	Manufactured Treatment Device	0.25	76.30644595	36.86025931	Yes	6/2/2010	Active	JL56
Fort Norfolk Plaza	301	RIVERVIEW AVENUE	3.06	2.54	08-0038.3	Private	Manufactured Treatment Device	0.55	76.30686685	36.86047811	Yes	6/2/2010	Active	JL56
Fort Norfolk Plaza	301	RIVERVIEW AVENUE	3.06	2.54	08-0038.4	Private	Manufactured Treatment Device	0.52	76.30684098	36.85985375	Yes	6/2/2010	Active	JL56
The Va Arts Festival	440	BANK STREET	0.40	0.33	08-0040.1	Private	Manufactured Treatment Device	0.17	76.28644024	36.85105946	No	11/4/2010	Active	JL56
The Va Arts Festival	440	BANK STREET	0.40	0.33	08-0040.2	Private	Manufactured Treatment Device	0.54	76.28627563	36.85095193	No	9/16/2009	Active	JL56
Broad Creek Villas	2951	WOODLAND AVENUE	1.10	0.74	08-0042.1	Private	Extended Detention Basin	0.55	76.25152006	36.85304361	Yes	1/1/2009	Active	JL54
Broad Creek Villas	2951	WOODLAND AVENUE	1.10	0.74	08-0042.2	Private	Extended Detention Basin	0.55	76.25145306	36.85274961	Yes	1/1/2009	Active	JL54
Duplex	9542	18TH BAY STREET	0.28	0.14	08-0046.1	Private	Detention Basin	0.28	76.19665848	36.92820175	Yes	3/17/2009	Active	CB26
Duplex	9542	18TH BAY STREET	0.28	0.14	08-0046.2	Private	Infiltration Practices	0.28	76.1967082	36.9281352	Yes	3/17/2009	Active	CB26
Floor Busters	845	W 40TH STREET	0.15	0.10	08-0047.1	Private	Grass Channel	0.08	76.29678376	36.88126658	No	1/6/2011	Active	JL56
Floor Busters	845	W 40TH STREET	0.15	0.10	08-0047.2	Private	Vegetated Filter Strip	0.04	76.29698521	36.8813316	No	1/6/2011	Active	JL56
Fresenius Medical Center Expansion	5621	TIDEWATER DRIVE	3.01	1.38	08-0050.1	Private	Bioretention	0.43	76.25928206	36.8906216	Yes	5/1/2009	Active	JL56
Fresenius Medical Center Expansion	5621	TIDEWATER DRIVE	3.01	1.38	08-0050.2	Private	Bioretention	0.30	76.26003906	36.89042573	Yes	5/1/2009	Active	JL56
Fresenius Medical Center Expansion	5621	TIDEWATER DRIVE	3.01	1.38	08-0050.3	Private	Bioretention	0.09	76.25957772	36.88991946	Yes	5/1/2009	Active	JL56
Dunkin Donuts	3901	HAMPTON BOULEVARD	0.45	0.32	08-0055.1	Private	Bioretention	0.45	76.30286922	36.88082764	Yes	12/2/2009	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.06	0.51	08-0056.1	Private	Infiltration Practices	0.11	76.30351573	36.88070347	Yes	11/12/2010	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.06	0.51	08-0056.2	Private	Infiltration Practices	0.11	76.30324509	36.88070474	Yes	11/12/2010	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.06	0.51	08-0056.3	Private	Infiltration Practices	0.11	76.3038016	36.88037031	Yes	11/12/2010	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.06	0.51	08-0056.4	Private	Infiltration Practices	0.11	76.30314749	36.88039323	Yes	11/12/2010	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.06	0.51	08-0056.5	Private	Bioretention	0.29	76.30330893	36.88013724	Yes	11/12/2010	Active	JL56
Lot 27 8025 Ransom Road	8025	RANSOM ROAD	0.23	0.07	08-0060.1	Private	Bioretention	0.04	76.19462736	36.92060929	Yes	8/25/2015	Active	CB26
Lot 27 8025 Ransom Road	8025	Ransom Road	0.23	0.07	08-0060.3	Private	Bioretention	0.04	76.19506922	36.92073632	Yes	8/25/2015	Active	CB26
Lot 27 8025 Ransom Road	8025	Ransom Road	0.23	0.07	08-0060.4	Private	Bioretention	0.04	76.19461082	36.92069013	Yes	8/25/2015	Active	CB26
Lot 27 8025 Ransom Road	8025	Ransom Road	0.23	0.07	08-0060.2	Private	Bioretention	0.04	76.19509517	36.92066433	Yes	8/25/2015	Active	CB26
Lot 27 8025 Ransom Road	8025	Ransom Road	0.23	0.07	08-0060.5	Private	Permeable Pavement	0.04	76.19470555	36.92066146	Yes	8/25/2015	Active	CB26
Lot 25 8033 Ransom Road	8033	Ransom Road	0.23	0.07	08-0062.4	Private	Bioretention	0.04	76.19458127	36.92088034	Yes	5/23/2017	Active	CB26
Lot 25 8033 Ransom Road	8033	Ransom Road	0.23	0.07	08-0062.2	Private	Bioretention	0.04	76.19501187	36.92094221	Yes	5/23/2017	Active	CB26
Lot 25 8033 Ransom Road	8033	Ransom Road	0.23	0.07	08-0062.3	Private	Bioretention	0.04	76.1949831	36.92099727	Yes	5/23/2017	Active	CB26
Lot 25 8033 Ransom Road	8033	Ransom Road	0.23	0.07	08-0062.5	Private	Permeable Pavement	0.04	76.19465564	36.92093522	Yes	5/23/2017	Active	CB26
Lot 25 8033 Ransom Road	8033	RANSOM ROAD	0.23	0.07	08-0062.1	Private	Bioretention	0.04	76.19455781	36.92096992	Yes	5/23/2017	Active	CB26
Lot 24 8037 Ransom Road	8037	RANSOM ROAD	0.23	0.07	08-0063.1	Private	Bioretention	0.04	76.19454322	36.92109916	Yes	12/11/2017	Active	CB26
Lot 24 8037 Ransom Road	8037	Ransom Road	0.23	0.07	08-0063.4	Private	Bioretention	0.04	76.1945571	36.92101638	Yes	12/11/2017	Active	CB26
Lot 24 8037 Ransom Road	8037	Ransom Road	0.23	0.07	08-0063.3	Private	Bioretention	0.04	76.19497617	36.9211448	Yes	12/11/2017	Active	CB26
Lot 24 8037 Ransom Road	8037	Ransom Road	0.23	0.07	08-0063.2	Private	Bioretention	0.04	76.19499312	36.92105641	Yes	12/11/2017	Active	CB26
Lot 24 8037 Ransom Road	8037	Ransom Road	0.23	0.07	08-0063.5	Private	Permeable Pavement	0.04	76.19465325	36.92105833	Yes	12/11/2017	Active	CB26
Harris Teeter Store 378	1320	COLONIAL AVENUE	3.11	2.63	08-0072.1	Private	Manufactured Treatment Device	0.35	76.29305211	36.86429614	No	11/3/2011	Active	JL56
4206 Pretty Lake two family	4206	Pretty Lake Avenue	0.24	0.10	08-0073.1	Private	Infiltration Practices	0.24	76.19170176	36.9267909	Yes	11/9/2010	Active	CB26
Gutterman Iron Works	706	MAY AVENUE	2.72	1.77	08-0075.1	Private	Manufactured Treatment Device	2.72	76.27528473	36.84977644	Yes	4/23/2013	Active	JL54
The Beauty Parlor	767	GRANBY STREET	0.04	0.04	08-0078.1	Private	Manufactured Treatment Device	0.04	76.28876277	36.8565533	No	1/5/2011	Active	JL56
Grandy Village Community Center	2971	Kimball Loop	4.96	1.27	08-0079.1	Public	Bioretention	0.53	76.25012562	36.84111335	Yes	6/18/2010	Active	JL54
Grandy Village Community Center	2971	Kimball Loop	4.96	1.27	08-0079.2	Public	Bioretention	0.46	76.25012562	36.84111335	Yes	6/18/2010	Active	JL54
Grandy Village Community Center	2971	Kimball Loop	4.96	1.27	08-0079.3	Public	Bioretention	0.43	76.25012562	36.84111335	Yes	6/18/2010	Active	JL54
Thermcor, Inc.	2601	COLLEY AVENUE	0.58	0.37	08-0081.1	Private	Grass Channel	0.07	76.29566747	36.87489594	Yes	12/15/2009	Active	JL56
Capitol Group Mail Center	2740	Azalea Garden Road	4.07	2.04	08-0086.1	Private	Detention Basin	2.75	76.22585163	36.87949735	Yes	3/9/2009	Active	JL56
Fayton-Sutherlin Bldg	1674	CHURCH STREET	0.39	0.27	08-0089.1	Private	Extended Detention Basin	0.28	76.2785999	36.86399198	Yes	3/28/2014	Active	JL56
Fayton-Sutherlin Bldg	1674	CHURCH STREET	0.39	0.27	08-0089.2	Private	Infiltration Practices	0.11	76.2783835	36.86363117	Yes	3/28/2014	Active	JL56
Fayton-Sutherlin Bldg	1674	CHURCH STREET	0.39	0.27	08-0089.3	Private	Manufactured Treatment Device	0.28	76.27845796	36.86386336	Yes	3/28/2014	Active	JL56
Duplex Lot Y	1529	Nevada Avenue	0.15	0.07	08-0090.1	Private	Bioretention	0.15	76.24223993	36.86500529	Yes	9/29/2010	Active	JL54
Duplex Lot X	1533	NEVADA AVENUE	0.15	0.07	08-0091.1	Private	Bioretention	0.08	76.24219707	36.86514361	Yes	12/1/2010	Active	JL54
Duplex Lot X	1533	NEVADA AVENUE	0.15	0.07	08-0091.2	Private	Bioretention	0.08	76.24233164	36.86529687	Yes	12/1/2010	Active	JL54
Harbor Park- Deck Addition	150	PARK AVENUE	0.06	0.06	08-0094.1	Private	Manufactured Treatment Device	0.06	76.27923094	36.84193694	Yes	3/31/2009	Active	JL54
Land & Coates	830	POPLAR HALL DRIVE	1.05	0.76	08-0096.1	Private	Detention Basin	0.86	76.19672822	36.85307313	Yes	5/12/2010	Active	JL54
Duplex	9515	15TH BAY STREET	0.32	0.11	08-0099.1	Private	Grass Channel	0.28	76.20110022	36.92797876	Yes	9/22/2009	Active	CB26
Parking Lot	817	BRANDON AVENUE	0.46	0.29	08-0103.1	Public	Infiltration Practices	0.12	76.2979878	36.86926761	Yes	1/1/2009	Active	JL56
Parking Lot	817	BRANDON AVENUE	0.46	0.29	08-0103.2	Public	Infiltration Practices	0.14	76.29805266	36.86899663	Yes	1/1/2009	Active	JL56

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Parking Lot	817	BRANDON AVENUE	0.46	0.29	08-0103.3	Public	Infiltration Practices	0.15	76.29817831	36.86877115	Yes	1/1/2009	Active	JL56
Lumber Liquidators	416	CAMPOSTELLA ROAD	0.97	0.73	09-0002.1	Private	Manufactured Treatment Device	0.66	76.26299406	36.83564361	Yes	5/7/2010	Active	JL54
Lumber Liquidators	416	CAMPOSTELLA ROAD	0.97	0.73	09-0002.2	Private	Manufactured Treatment Device	0.66	76.26298064	36.83563167	Yes	5/7/2010	Active	JL54
Mission College Clubhouse	1300	LEAD STREET	2.77	1.38	09-0014.1	Private	Detention Basin	0.19	76.26286074	36.85523222	Yes	1/8/2010	Active	JL56
Berkley Basketball Court	706	Walker Ave	0.16	0.07	09-0015.1	Public	Infiltration Practices	0.12	76.27829741	36.82807784	No	12/12/2017	Active	JL53
Norfolk Airport Garage	2200	NORVIEW AVENUE	87.84	62.37	09-0020.1	Private	Wet Pond	87.84	76.20884644	36.89982375	Yes	1/1/2011	Active	CB26
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.1	Private	Manufactured Treatment Device	5.14	76.25767168	36.82958801	Yes	1/1/2011	Active	JL53
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.10	Private	Manufactured Treatment Device	0.11	76.25886368	36.82833676	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.11	Private	Manufactured Treatment Device	0.36	76.25859207	36.82869134	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.12	Private	Manufactured Treatment Device	0.09	76.2585672	36.82872342	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.13	Private	Manufactured Treatment Device	0.12	76.25864306	36.82876213	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.14	Private	Manufactured Treatment Device	0.13	76.2576421	36.82704849	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.15	Private	Manufactured Treatment Device	0.19	76.25771363	36.82709756	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.16	Private	Manufactured Treatment Device	0.08	76.2576728	36.82711395	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.17	Private	Manufactured Treatment Device	0.11	76.25723899	36.82745815	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.18	Private	Manufactured Treatment Device	0.25	76.25724514	36.82749118	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.19	Private	Manufactured Treatment Device	0.46	76.25938104	36.82732722	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.2	Private	Manufactured Treatment Device	0.29	76.25762106	36.82957792	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.20	Private	Manufactured Treatment Device	0.43	76.25942797	36.82739537	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.21	Private	Manufactured Treatment Device	0.20	76.26047701	36.82656242	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.22	Private	Manufactured Treatment Device	0.11	76.2604908	36.82653228	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.23	Private	Manufactured Treatment Device	0.31	76.26038921	36.82653678	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.24	Private	Manufactured Treatment Device	0.56	76.26007637	36.82516731	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.3	Private	Manufactured Treatment Device	0.09	76.2572377	36.82847166	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.4	Private	Manufactured Treatment Device	0.36	76.25724596	36.82843318	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.5	Private	Manufactured Treatment Device	0.07	76.25901622	36.82797335	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.6	Private	Manufactured Treatment Device	0.11	76.25901692	36.8280101	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.7	Private	Manufactured Treatment Device	0.15	76.25892499	36.82802885	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.8	Private	Manufactured Treatment Device	0.09	76.2589243	36.82799494	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.9	Private	Manufactured Treatment Device	0.05	76.25889413	36.82831016	Yes	1/1/2011	Active	JL54
First Baptist Church of Berkley Expansion	706	E BERKLEY AVENUE	0.90	0.72	09-0027.1	Private	Bioretention	0.17	76.27726406	36.82983062	Yes	12/13/2010	Active	JL54
First Baptist Church of Berkley Expansion	706	E BERKLEY AVENUE	0.90	0.72	09-0027.2	Private	Bioretention	0.10	76.27709906	36.82995062	Yes	12/13/2010	Active	JL54
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.1	Private	Bioretention	0.41	76.28401538	36.86436633	Yes	1/4/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.2	Private	Bioretention	0.13	76.28376542	36.86461559	Yes	1/4/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.3	Private	Bioretention	0.18	76.28318227	36.86466993	Yes	1/4/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.4	Private	Bioretention	0.34	76.28231992	36.86474493	Yes	1/4/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.5	Private	Bioretention	0.15	76.28193842	36.86478137	Yes	7/25/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.6	Private	Bioretention	0.15	76.28151763	36.8648213	Yes	7/25/2012	Active	JL56
2nd Patrol Division	901	Asbury Avenue	6.50	3.19	09-0030.1	Public	Permeable Pavement	22.80	76.25180538	36.90975582	Yes	9/1/2011	Active	CB26
OSAGE	2618	COLLEY AVENUE	0.52	0.30	09-0031.1	Private	Grass Channel	0.52	76.29489913	36.87452832	Yes	1/1/2010	Active	JL56
Lake Taylor Hospital additions	1309	KEMPSVILLE ROAD	16.99	7.70	09-0033.1	Private	Wet Pond	2.88	76.20584895	36.86610811	Yes	2/3/2014	Active	JL54
Lake Taylor Hospital additions	1309	KEMPSVILLE ROAD	16.99	7.70	09-0033.2	Private	Detention Basin	0.00	76.2061085	36.86569819	Yes	2/3/2014	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.1	Private	Manufactured Treatment Device	0.91	76.28755997	36.85188546	No	6/6/2013	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.2	Private	Manufactured Treatment Device	0.97	76.28710453	36.851033	No	6/6/2013	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.3	Private	Manufactured Treatment Device	1.49	76.2884862	36.85136239	No	6/6/2013	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.4	Public	Manufactured Treatment Device	0.29	76.28802394	36.85070936	No	6/6/2013	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.5	Private	Manufactured Treatment Device	0.37	76.28770997	36.85059509	No	6/6/2013	Active	JL56
Duplex	1505	E OCEAN VIEW AVENUE	0.37	0.18	09-0040.1	Private	Infiltration Practices	0.19	76.23046507	36.94087459	Yes	6/6/2008	Active	CB26
Duplex	1505	E OCEAN VIEW AVENUE	0.37	0.18	09-0040.2	Private	Infiltration Practices	0.19	76.23056407	36.94092959	Yes	6/6/2008	Active	CB26
EVMS Parking Garage Addition	745	FAIRFAX AVENUE	0.61	0.51	09-0050.1	Private	Manufactured Treatment Device	0.61	76.30363623	36.85998201	Yes	9/1/2011	Active	JL56
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.1	Private	Manufactured Treatment Device	0.35	76.29024849	36.83551476	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.10	Private	Manufactured Treatment Device	0.35	76.29169087	36.83609285	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.2	Private	Manufactured Treatment Device	0.33	76.29065222	36.83550187	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.3	Private	Manufactured Treatment Device	0.32	76.29073879	36.83547293	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.4	Private	Manufactured Treatment Device	0.34	76.29110158	36.83535835	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.5	Private	Manufactured Treatment Device	0.37	76.2911886	36.83533099	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.6	Private	Manufactured Treatment Device	0.33	76.29151875	36.83508186	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.7	Private	Manufactured Treatment Device	0.33	76.29132748	36.83545623	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.8	Private	Manufactured Treatment Device	0.35	76.29106584	36.83629063	Yes	9/1/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.20	3.17	09-0057.9	Private	Manufactured Treatment Device	0.35	76.2916077	36.83611851	Yes	9/1/2011	Active	JL53
Mount Hermon Baptist Church Parking Addition	2967	ARGONNE AVENUE	0.21	0.13	09-0058.1	Private	Extended Detention Basin	0.34	76.25776455	36.87440807	Yes	6/21/2010	Active	JL56
Mount Hermon Baptist Church Parking Addition	2967	ARGONNE AVENUE	0.21	0.13	09-0058.2	Private	Detention Basin	0.25	76.25776455	36.87440807	Yes	6/21/2010	Active	JL56
Mount Hermon Baptist Church Parking Addition	2967	ARGONNE AVENUE	0.21	0.13	09-0058.3	Private	Detention Basin	0.21	76.25823125	36.87426217	Yes	6/21/2010	Active	JL56
Filipino Independent Baptist Church	5809	CHAMBERS STREET	0.82	0.59	09-0065.1	Private	Grass Channel	0.07	76.20568456	36.84513152	Yes	2/7/2011	Active	JL54
Filipino Independent Baptist Church	5809	CHAMBERS STREET	0.82	0.59	09-0065.2	Private	Infiltration Practices	0.30	76.20593722	36.84541869	Yes	2/7/2011	Active	JL54
Jeff Robertson Park - parking lot	1500	block ARMISTEAD BRIDGE ROAD	1.66	0.31	09-0068.1	Public	Infiltration Practices	0.69	76.3055735	36.87417438	No	1/1/2010	Active	JL56
Fox Hall Place	1570	ASPIN STREET	0.18	0.11	09-0071.1	Private	Permeable Pavement	0.17	76.23157446	36.86970944	Yes	1/1/2010	Active	JL54
Lamberts Point 26th St. Improvements	1241	W 26TH STREET	2.85	1.71	09-0072.1	Public	Manufactured Treatment Device	0.37	76.30435451	36.87700425	No	1/1/2011	Active	JL56
Blessed Sacrament Church addition	6400	NEWPORT AVENUE	4.52	2.18	10-0004.1	Private	Bioretention	0.28	76.28172223	36.90135913	No	8/16/2010	Active	JL56
Metro Machine Parking Addition Phase II	703	PEARL STREET	2.39	1.63	10-0025.1	Private	Manufactured Treatment Device	0.19	76.29989137	36.83566265	Yes	9/1/2011	Active	JL53
Crossroads Elementary Rebuild	7920	TIDEWATER DRIVE	9.94	5.09	10-0031.1	School	Permeable Pavement	1.19	76.25242606	36.9190066	No	8/29/2013	Active	JL57
Crossroads Elementary Rebuild	7920	TIDEWATER DRIVE	9.94	5.09	10-0031.2	School	Cisterns and Rain Barrels	1.32	76.25125214	36.9184282	No	8/29/2013	Active	JL57
Solid Rock Church parking	1028	KENTON AVENUE	0.11	0.08	10-0034.1	Private	Infiltration Practices	0.04	76.25979206	36.85330061	No	4/23/2013	Active	JL54
Solid Rock Church parking	1028	KENTON AVENUE	0.11	0.08	10-0034.2	Private	Infiltration Practices	0.05	76.25981206	36.85319461	No	4/23/2013	Active	JL54
Pump Station 34 Replacement	7445	DIVEN STREET	0.06	0.03	10-0036.1	Public	Grass Channel	0.03	76.29343792	36.91163013	Yes	6/8/2012	Active	JL56
Chesterfield Heights WW Pump Station	2633	WESTMINSTER AVENUE	0.20	0.03	10-0042.1	Public	Bioretention	0.06	76.25750705	36.84480967	Yes	1/1/2012	Active	JL54
GE Mobile	4545	PATENT ROAD	9.84	2.15	10-0045.1	Private	Rooftop or Impervious Surface Disconnect	1.31	76.22887569	36.85758764	No	1/1/2015	Active	JL54
Historic Fort Norfolk- South Hampton Avenue	830	Southampton Blvd/ Brambleton Ave side			10-0049.2	Public	Manufactured Treatment Device		76.30455398	36.85924118	No		Active	JL54
Historic Fort Norfolk- South Hampton Avenue	830	Southampton Blvd			10-0049.1	Public	Manufactured Treatment Device		76.30520308	36.85809129	No		Active	JL54
Islamic Center	1442	49TH STREET	0.58	0.19	10-0050.1	Private	Bioretention	0.49	76.31088545	36.88767734	Yes	3/1/2012	Active	JL56
Lamberts Point Townhouses	1208	W 26TH STREET	1.06	0.50	10-0051.1	Private	Permeable Pavement	1.06	76.30343695	36.87711074	No	2/22/2012	Active	JL56
Grand Furniture	6359	E VIRGINIA BEACH BOULEVARD	2.14	1.75	10-0052.1	Private	Wet Pond	1.85	76.18628208	36.85309861	Yes	10/27/2011	Active	JL54
Meadowood Apartments	1560	INTERNATIONAL BOULEVARD	7.71	5.20	10-0059.1	Private	Wet Pond	5.24	76.22894907	36.8943966	Yes	12/7/2011	Active	CB26
Meadowood Apartments	1560	INTERNATIONAL BOULEVARD	7.71	5.20	10-0059.2	Private	Manufactured Treatment Device	2.47	76.22844507	36.8962396	Yes	12/7/2011	Active	CB26
Consolidated Courts Complex	811	E CITY HALL AVENUE	6.81	4.37	10-0060.1	Public	Bioretention	0.36	76.28553441	36.84649908	No	4/1/2018	Active	JL54
Consolidated Courts Complex	811	E CITY HALL AVENUE	6.81	4.37	10-0060.2	Public	Bioretention	1.10	76.2854851	36.8457683	No	4/1/2018	Active	JL54
Consolidated Courts Complex	811	E CITY HALL AVENUE	6.81	4.37	10-0060.3	Public	Bioretention	0.00	76.28478077	36.84638608	No	4/1/2018	Active	JL54
Consolidated Courts Complex	811	E CITY HALL AVENUE	6.81	4.37	10-0060.4	Public	Manufactured Treatment Device	0.00	76.28497718	36.84554644	No	4/1/2018	Active	JL54
Promenade Pointe	6217	TIDEWATER DRIVE	5.80	3.52	10-0061.1	Private	Manufactured Treatment Device	0.39	76.25816151	36.89311146	No	5/14/2014	Active	JL56

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Promenade Pointe	6217	TIDEWATER DRIVE	5.80	3.52	10-0061.2	Private	Manufactured Treatment Device	0.44	76.25816151	36.89311146	No	5/14/2014	Active	JL56
Forest Lawn Cemetary	8100	GRANBY STREET	1.45	0.14	10-0069.1	Public	Infiltration Practices	0.69	76.26717373	36.92275119	No	3/27/2013	Active	JL57
CVS E Va Bch Blvd. and Newton	6678	E VIRGINIA BEACH BOULEVARD	1.56	1.24	10-0071.1	Private	Manufactured Treatment Device	0.36	76.17799568	36.85479011	Yes	3/12/2012	Active	JL54
Lambert's Point Rec Center Parking Addition	1251	W 42ND STREET	2.61	1.55	10-0073.1	Public	Permeable Pavement	0.53	76.30352137	36.8817171	No	1/1/2011	Active	JL56
RT Body Shop Addition	7615	MERRITT STREET	0.52	0.46	10-0075.1	Private	Detention Basin	0.52	76.24663874	36.91342299	Yes	4/23/2012	Active	JL57
General Aviation Terminal Renovation	6101	MILLER STORE ROAD	6.30	4.12	10-0076.1	Private	Detention Basin	0.75	76.20483008	36.8823176	Yes	3/5/2014	Active	CB26
General Aviation Terminal Renovation	6101	MILLER STORE ROAD	6.30	4.12	10-0076.2	Private	Manufactured Treatment Device	0.18	76.20483008	36.8823176	No	3/5/2014	Active	CB26
General Aviation Terminal Renovation	6101	MILLER STORE ROAD	6.30	4.12	10-0076.3	Private	Manufactured Treatment Device	0.17	76.20483008	36.8823176	No	3/5/2014	Active	CB26
General Aviation Terminal Renovation	6101	MILLER STORE ROAD	6.30	4.12	10-0076.4	Private	Manufactured Treatment Device	0.24	76.20483008	36.8823176	No	3/5/2014	Active	CB26
General Aviation Terminal Renovation	6101	MILLER STORE ROAD	6.30	4.12	10-0076.5	Private	Manufactured Treatment Device	0.14	76.20483008	36.8823176	No	3/5/2014	Active	CB26
General Aviation Terminal Renovation	6101	MILLER STORE ROAD	6.30	4.12	10-0076.6	Private	Manufactured Treatment Device	0.47	76.20483008	36.8823176	No	3/5/2014	Active	CB26
Fine Arts Center - Norfolk Collegiate	7336	GRANBY STREET	1.60	0.84	11-0002.1	Private	Permeable Pavement	0.29	76.27386252	36.91093927	Yes	9/30/2013	Active	JL56
Lake Taylor Hospital Parking Lot Addition	1309	Kempsville Road	2.33	0.88	11-0007.1	Private	Extended Detention Basin	1.29	76.20797119	36.86575507	Yes	1/18/2012	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.1	Private	Manufactured Treatment Device	1.48	76.22807787	36.89831962	Yes	3/15/2013	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.2	Private	Manufactured Treatment Device	1.48	76.22807787	36.89831962	Yes	3/15/2013	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.3	Private	Manufactured Treatment Device	1.04	76.22807787	36.89831962	Yes	3/15/2013	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.4	Private	Manufactured Treatment Device	1.66	76.22807787	36.89831962	Yes	3/15/2013	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.5	Private	Manufactured Treatment Device	1.04	76.22807787	36.89831962	Yes	3/15/2013	Active	CB26
US General Services Admin	5678	E VIRGINIA BEACH BOULEVARD	1.94	1.19	11-0014.1	Public	Extended Detention Basin	1.63	76.21084628	36.85668719	Yes	10/30/2012	Active	JL54
O'Reilly Auto Parts	860	E LITTLE CREEK ROAD	1.25	0.94	11-0015.1	Private	Extended Detention Basin	1.25	76.24841973	36.91566615	Yes	7/27/2012	Active	JL57
Sewells Point Mini Storage	7614	SEWELLS POINT ROAD	1.49	1.23	11-0016.1	Private	Manufactured Treatment Device	1.49	76.24837681	36.91365889	Yes	10/2/2013	Active	JL56
Autobell Carwash	5840	E VIRGINIA BEACH BOULEVARD	1.27	0.80	11-0019.1	Private	Permeable Pavement	0.14	76.20426488	36.85614438	Yes	10/30/2012	Active	JL54
Autobell Carwash	5840	E VIRGINIA BEACH BOULEVARD	1.27	0.80	11-0019.2	Private	Manufactured Treatment Device	0.72	76.2043099	36.85638428	Yes	10/30/2012	Active	JL54
Southside Aquatic Center	1750	CAMPOSTELLA ROAD	10.59	3.05	11-0020.1	Public	Detention Basin	10.59	76.25966355	36.8231573	Yes	1/9/2014	Active	JL54
Subdivision Plan for Bullock Park	401-499	W GOVERNMENT AVENUE	2.54	0.69	11-0023.1	Private	Extended Detention Basin	1.67	76.26201406	36.95596759	Yes	9/13/2013	Active	JL57
Slover Library	235	E PLUME STREET	0.73	0.04	11-0027.1	Public	Manufactured Treatment Device	0.29	76.29020905	36.84641293	Yes	1/5/2015	Active	JL54
MacArthur Mall Museum Expansion	198	BANK STREET	0.79	0.55	11-0031.1	Public	Manufactured Treatment Device	0.19	76.28900801	36.84730283	Yes	8/28/2012	Active	JL56
MacArthur Mall Museum Expansion	198	BANK STREET	0.79	0.55	11-0031.2	Public	Detention Basin	0.31	76.28881389	36.84719921	Yes	8/28/2012	Active	JL54
Parking Lot	1227	W LITTLE CREEK ROAD	0.56	0.37	11-0032.1	Public	Infiltration Practices	0.56	76.29596992	36.9155718	No	1/1/2012	Active	JL56
Ingleside Elementary School Gymnasium	976	INGLESIDE DRIVE	2.40	0.72	11-0034.1	School	Detention Basin	2.40	76.23812006	36.85338219	No	1/1/2013	Active	JL54
Jerusalem Apostolic Christian Church	1210	E PRINCESS ANNE ROAD	0.22	0.15	11-0042.1	Private	Manufactured Treatment Device	0.16	76.26983206	36.85559261	Yes	2/20/2013	Active	JL57
CON Small Brick Building	180	E EVANS STREET	23.80	0.00	11-0044.1	Public	Infiltration Practices	0.23	76.25846206	36.93444059	No	4/5/2013	Active	CB26
Norfolk Machine & Welding	1028	W 27TH STREET	1.12	0.54	11-0045.1	Private	Infiltration Practices	1.12	76.29650106	36.87632261	Yes	7/16/2012	Active	JL56
Young Terrace - Site Accessibility	804	WHITAKER LANE	32.60	0.05	11-0046.1	Private	Permeable Pavement	0.00	76.28318104	36.85583729	No	1/1/2012	Active	JL54
Colley Bay Living Shoreline	10106	50th Street- Behind House: South Shoreline	0.84	0.00	11-0048.1	Public	Shoreline Management		76.23969808	36.88924136	No	5/1/2013	Active	JL56
Colley Bay Living Shoreline	5200	Hampton Blvd-Behind WHRO by Tennis Courts: North Shoreline	0.84	0.00	11-0048.2	Public	Shoreline Management		76.23877076	36.88886627	No	5/1/2013	Active	JL56
Tidewater Gymnastics Parking Lot	846	44TH STREET	0.29	0.16	11-0056.1	Private	Infiltration Practices	0.26	76.29652743	36.88450787	Yes	1/1/2013	Active	JL56
Chrysler Museum Expansion and Renovation	245	W OLNEY ROAD	1.09	0.83	11-0057.1	Private	Manufactured Treatment Device	0.29	76.29302091	36.8570064	Yes	1/1/2015	Active	JL56
Chrysler Museum Expansion and Renovation	245	W OLNEY ROAD	1.09	0.83	11-0057.2	Private	Manufactured Treatment Device	0.38	76.29254706	36.85482293	Yes	1/1/2015	Active	JL56
Ray and Joan Kroc Center	1341	BALLENTINE BOULEVARD	8.25	3.94	11-0065.2	Private	Permeable Pavement	3.47	76.25094511	36.85804516	No	10/23/2014	Active	JL56
Humboldt Street Parking Lot	3660	HUMBOLDT STREET	0.32	0.15	11-0066.1	Private	Manufactured Treatment Device	0.15	76.23577734	36.89030317	No	10/1/2013	Active	CB26
Palmetto St Drainage Improvement	3757	TAIT TERRACE	9.03	4.52	11-0071.1	Public	Detention Basin	9.03	76.24291786	36.87093257	No	1/1/2013	Active	JL56
BAE Systems Parking Lot improvements	750	W BERKLEY AVENUE	13.50	12.07	11-0072.3	Private	Manufactured BMP Systems	1.33	76.28715167	36.82820272	No	4/12/2012	Active	JL53
BAE Systems Parking Lot improvements	750	W BERKLEY AVENUE	13.50	12.07	11-0072.2	Private	Manufactured BMP Systems	1.33	76.28751003	36.82815876	Yes	4/12/2012	Active	JL53
BAE Systems Parking Lot improvements	750	W BERKLEY AVENUE	13.50	12.07	11-0072.1	Private	Manufactured Treatment Device	1.33	76.28785876	36.8284601	Yes	4/12/2012	Active	JL53
9 Lot Townhouse Subdivision	8210	TIDEWATER DRIVE	1.23	0.53	11-0073.1	Private	Infiltration Practices	0.53	76.25231706	36.92191859	Yes	9/10/2020	Active	JL57
Global Friendship House	1241	43rd Street	0.57	0.33	11-0074.1	Private	Detention Basin	0.57	76.30402895	36.88306982	Yes	12/28/2018	Active	JL56
W 29th St Parking Lot	321	W 29TH STREET	0.24	0.18	11-0076.1	Private	Permeable Pavement	0.19	76.28714605	36.87420861	No	7/6/2017	Active	JL56
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.1	Private	Extended Detention Basin	0.52	76.19129991	36.85085892	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.10	Private	Bioretention	0.48	76.19033373	36.84925258	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.11	Private	Manufactured Treatment Device	2.99	76.19033373	36.84925258	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.12	Private	Manufactured Treatment Device	2.99	76.19033373	36.84925258	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.13	Private	Manufactured Treatment Device	2.99	76.19033373	36.84925258	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.2	Private	Manufactured Treatment Device	0.42	76.19118391	36.85093328	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.3	Private	Manufactured Treatment Device	0.20	76.19116606	36.85079943	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.5	Private	Manufactured Treatment Device	0.46	76.19141338	36.85095038	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.6	Private	Bioretention	0.68	76.19007087	36.84919998	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.7	Private	Bioretention	0.73	76.19033373	36.84925258	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.8	Private	Bioretention	0.78	76.19033373	36.84925258	Yes	2/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replacement	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.9	Private	Bioretention	0.42	76.19033373	36.84925258	Yes	2/10/2016	Active	JL54
Zoo-Animal Wellness Center	3500	GRANBY STREET	1.47	0.66	11-0082.1	Public	Detention Basin	0.56	76.27901633	36.87905324	Yes	1/13/2014	Active	JL56
Zoo-Animal Wellness Center	3500	GRANBY STREET	1.47	0.66	11-0082.2	Public	Detention Basin	0.19	76.27879283	36.8791735	Yes	1/13/2014	Active	JL56
Zoo-Animal Wellness Center	3500	GRANBY STREET	1.47	0.66	11-0082.3	Public	Detention Basin	0.11	76.27843151	36.87924767	Yes	1/13/2014	Active	JL56
Zoo-Animal Wellness Center	3500	GRANBY STREET	1.47	0.66	11-0082.4	Public	Detention Basin	0.61	76.27821868	36.87901168	Yes	1/13/2014	Active	JL56
Cook Out Restaurant	1105	N MILITARY HIGHWAY	0.91	0.63	12-0003.1	Private	Manufactured Treatment Device	0.22	76.21059278	36.8599979	Yes	1/1/2013	Active	JL54
821 W 26TH ST - Industrial Storage Building	821	W 26TH STREET	0.24	0.10	12-0006.1	Private	Infiltration Practices	0.22	76.29634905	36.87456943	Yes	9/10/2014	Active	JL56
Rebuild and Convenience Store Addition - BP/7-11	3027	E VIRGINIA BEACH BOULEVARD	0.76	0.60	12-0013.1	Private	Infiltration Practices	0.47	76.24851607	36.85280661	Yes	1/1/2013	Active	JL54
Filipino Christian Church	5225	ELMHURST AVENUE	1.18	0.68	12-0014.1	Private	Detention Basin	0.52	76.22574971	36.88440609	Yes	6/9/2013	Active	CB26
CHURCH PARKING LOT	5204	ELMHURST AVENUE	0.61	0.44	12-0015.1	Private	Extended Detention Basin	0.23	76.22591207	36.88493752	Yes	1/1/2013	Active	JL56
Killam Avenue Eatery	3375	KILLAM AVENUE	0.07	0.03	12-0016.1	Private	Infiltration Practices	0.73	76.29843557	36.87681451	Yes	8/29/2013	Active	JL56
YMCA Family Center on Granby Street	2900	GRANBY STREET	2.58	1.88	12-0024.1	Private	Manufactured Treatment Device	0.37	76.2831901	36.87344157	Yes	6/1/2013	Active	JL56
YMCA Family Center on Granby Street	2900	GRANBY STREET	2.58	1.88	12-0024.2	Private	Manufactured Treatment Device	0.42	76.28382681	36.87312135	Yes	5/31/2013	Active	JL56
WAWA	6301	N MILITARY HIGHWAY	3.80	2.47	12-0025.1	Private	Detention Basin	2.50	76.22673091	36.89724158	Yes	10/21/2013	Active	CB26
WAWA	6301	N MILITARY HIGHWAY	3.80	2.47	12-0025.2	Private	Manufactured Treatment Device	0.22	76.22621807	36.89674894	Yes	10/21/2013	Active	CB26
WAWA	6301	N MILITARY HIGHWAY	3.80	2.47	12-0025.3	Private	Manufactured Treatment Device	0.58	76.22589621	36.89691882	Yes	10/21/2013	Active	CB26
WAWA	6301	N MILITARY HIGHWAY	3.80	2.47	12-0025.4	Private	Manufactured Treatment Device	2.47	76.22634007	36.8972726	Yes	10/21/2013	Active	CB26
Hammett Avenue BMP	8721	HAMMETT AVENUE	0.98	0.35	12-0026.1	Private	Detention Basin	0.41	76.25649606	36.93533459	Yes	10/21/2013	Active	JL57
Grandy Village-Phase V Site Improvements	3133	KIMBALL TERRACE	2.17	0.93	12-0028.1	Public	Extended Detention Basin	1.70	76.24952207	36.84210261	No	9/15/2015	Active	JL54
Bobbit Mid-Rise Site Improvements	5920	POPLAR HALL DRIVE	3.11	1.20	12-0029.1	Private	Permeable Pavement	0.70	76.20185108	36.85004961	No	1/1/2014	Active	JL54
R.E. Michel Building Addition	2735	ELLSMERE AVENUE	1.29	0.92	12-0030.1	Private	Extended Detention Basin	0.62	76.22053507	36.8816606	No	11/26/2013	Active	JL56
Terminal and Concourse Improvements	2200	NORVIEW AVENUE	11.17	8.43	12-0031.1	Private	Wet Pond	11.20	76.20640941	36.90047586	Yes	1/1/2013	Active	CB26
Balance Builders	3805	GRANBY STREET	0.26	0.15	12-0033.1	Private	Bioretention	0.15	76.2825643	36.8808908	Yes	1/6/2016	Active	JL56
Colonna's Shipyard Super Building Phase 3	400	E INDIAN RIVER ROAD	0.52	0.52	12-0034.1	Private	Infiltration Practices	0.52	76.27408221	36.83473856	Yes	1/1/2013	Active	JL53
East Beach Marina	4921	PRETTY LAKE AVENUE	1.68	1.54	12-0036.1	Private	Infiltration Practices	1.41	76.18352008	36.9234136	Yes	1/1/2016	Active	CB26
Suburban Park Redevelopment of Wards Corner	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.1	Private	Detention Basin	0.39	76.27189406	36.9141266	Yes	4/30/2013	Active	JL57
Suburban Park Redevelopment of Wards Corner	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.3	Private	Manufactured Treatment Device	0.18	76.27189406	36.9141266	Yes	4/30/2013	Active	JL57
Suburban Park Redevelopment of Wards Corner	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.4	Private	Manufactured Treatment Device	0.18	76.27189406	36.9141266	Yes	4/30/2013	Active	JL57
Suburban Park Redevelopment of Wards Corner	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.5	Private	Manufactured Treatment Device	0.18	76.27189406	36.9141266	Yes	4/30/2013	Active	JL57
Suburban Park Redevelopment of Wards Corner	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.6	Private	Manufactured Treatment Device	0.33	76.27189406	36.9141266	Yes	4/30/2013	Active	JL57

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Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Suburban Park Redevelopment of Wards Corner	117	E LITTLE CREEK ROAD	9.37	6.88	12.0039.2	Private	Manufactured Treatment Device	0.24	76.27189406	36.9141266	Yes	4/30/2013	Active	JL57
Myrtle Park Imprvts-Richmond Cres-Living Shoreline	6125	Myrtle Park	0.54	0.00	12-0042.1	Public	Shoreline Management	0.54	76.30428422	36.89781247	No	5/1/2014	Active	JL56
Norfolk Multi-Modal Transportation Center	150	PARK AVENUE	1.86	13.61	12-0044.1	Public	Manufactured Treatment Device	0.59	76.27749089	36.84353473	No	11/14/2013	Active	JL54
Woodland Avenue Baptist Church	2736	WOODLAND AVENUE	0.43	0.28	12-0048.1	Private	Infiltration Practices	0.15	76.25540957	36.85280271	No	5/14/2021	Active	JL54
Duplex Site Plan for Li Shen	9621	12TH BAY STREET	0.34	0.15	12-0050.1	Private	Permeable Pavement	0.28	76.20382681	36.93174121	No	1/1/2014	Active	CB26
Greenway Stormwater Park	3901	LLEWELLYN AVENUE	19.07	8.20	12-0053.1	Public	Wet Pond	19.07	76.2851679	36.88154491	No	1/1/2014	Active	JL56
Pointe at Pickett Farm	5394	GREENPLAIN ROAD	17.40	8.26	12-0063.1	Private	Wet Pond	5.90	76.22169476	36.86195603	Yes	5/30/2014	Active	JL54
Gethsemane Baptist Church Bldg Addition	1317	E BRAMBLETON AVENUE	0.27	0.18	12-0064.1	Private	Manufactured Treatment Device	0.27	76.27277006	36.84695151	Yes	7/9/2018	Active	JL54
Gethsemane Baptist Church Bldg Addition	1317	E Brambleton Ave	0.27	0.18	12-0064.2	Private	Detention Basin	0.16	76.27268712	36.84690489	Yes	7/9/2018	Active	JL54
Street Improvements for Asfari Homes	1262	PALL MALL STREET	1.21	0.44	12-0065.1	Private	Bioretention	1.20	76.23508407	36.8928006	No	1/1/2016	Active	CB26
Street Improvements for Asfari Homes	1262	PALL MALL STREET	1.21	0.44	12-0065.2	Private	Detention Basin	1.20	76.23508407	36.8928006	No	1/1/2016	Active	CB26
Sherwin Williams	7937	SHORE DRIVE	0.26	0.19	12-0066.1	Private	Extended Detention Basin	0.26	76.19321721	36.91945749	Yes	10/8/2013	Active	CB26
Dollar General	4008	E LITTLE CREEK ROAD	0.72	0.57	12-0074.1	Private	Bioretention	0.19	76.19578408	36.91819981	Yes	4/26/2013	Active	CB26
Dollar General	4008	E LITTLE CREEK ROAD	0.72	0.57	12-0074.2	Private	Manufactured Treatment Device	0.22	76.196173	36.91860832	Yes	4/26/2013	Active	CB26
United Disposal	161	WELLMAN STREET	1.25	1.14	12-0081.1	Private	Manufactured Treatment Device	0.47	76.20748739	36.84319585	Yes	1/1/2014	Active	JL54
Mixed Use Building	401	GRANBY STREET	0.36	0.33	12-0082.1	Private	Manufactured Treatment Device	0.15	76.28999167	36.8516496	Yes	7/25/2014	Active	JL56
71 Unit Multifamily	416	BOUSH STREET	0.42	0.42	12-0083.1	Private	Manufactured Treatment Device	0.35	76.29070283	36.85224216	Yes	8/27/2014	Active	JL56
Bauer Compressors Expansion	1328	AZALEA GARDEN ROAD	5.01	3.62	12-0085.1	Private	Manufactured Treatment Device	0.23	76.23356482	36.86228523	Yes	6/19/2013	Active	JL54
Bauer Compressors Expansion	1328	AZALEA GARDEN ROAD	5.01	3.62	12-0085.2	Private	Manufactured Treatment Device	1.34	76.23424446	36.86265005	Yes	6/19/2013	Active	JL56
Bauer Compressors Expansion	1328	AZALEA GARDEN ROAD	5.01	3.62	12-0085.3	Private	Manufactured Treatment Device	1.42	76.23385949	36.86207442	Yes	6/19/2013	Active	JL56
Element on Ghent	1700	GRANBY STREET	1.46	1.34	13-0000.1	Private	Manufactured Treatment Device	0.16	76.28536666	36.86437622	Yes	1/1/2015	Active	JL56
Waterview 5 Lot Subdivision	901	WATERVIEW AVENUE	0.67	0.25	13-0004.1	Private	Grass Channel	0.00	76.29800622	36.88896714	Yes	8/1/2014	Active	JL56
Bruce's Park Pump Station #152	1220	CARY AVENUE	0.14	0.05	13-0009.1	Public	Dry Swale 1	0.14	76.26661573	36.85847017	No	3/28/2016	Active	JL56
Valley Self Storage	1117	VALLEY DRIVE	2.23	1.83	13-0010.1	Private	Detention Basin	1.88	76.21149651	36.85886079	Yes	6/26/2013	Active	JL54
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.1	Private	Manufactured Treatment Device	0.24	76.20739693	36.8773944	Yes	3/3/2014	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.2	Private	Manufactured Treatment Device	0.24	76.20793105	36.8774395	Yes	3/3/2014	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.3	Private	Manufactured Treatment Device	0.24	76.20815416	36.87677407	Yes	3/3/2014	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.4	Private	Manufactured Treatment Device	0.24	76.20817139	36.87661447	Yes	3/3/2014	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.5	Private	Manufactured Treatment Device	0.24	76.20731132	36.87654012	Yes	3/3/2014	Active	JL56
Chick-Fil-A (Store #03189)	1600	Monticello Avenue	1.13	0.88	13-0020.1	Private	Manufactured Treatment Device	0.20	76.28491829	36.86355776	Yes	1/1/2014	Active	JL56
Chick-Fil-A (Store #03189)	1600	Monticello Avenue	1.13	0.88	13-0020.2	Private	Manufactured Treatment Device	0.18	76.28526718	36.86361871	Yes	1/1/2014	Active	JL56
Chick-Fil-A (Store #03189)	1600	Monticello Avenue	1.13	0.88	13-0020.3	Private	Manufactured Treatment Device	0.12	76.28486355	36.86368438	Yes	1/1/2014	Active	JL56
Chick-Fil-A (Store #03189)	1600	MONTICELLO AVENUE	1.13	0.88	13-0020.4	Private	Manufactured BMP Systems	0.12	76.28458854	36.86384735	Yes	1/1/2014	Active	JL56
Norchester Pump Station No. 116 Replacement	935	NORCHESTER STREET	0.14	0.08	13-0023.1	Public	Grass Channel	0.02	76.25529406	36.85006261	Yes	3/22/2018	Active	JL54
Norchester Pump Station No. 116 Replacement	935	NORCHESTER STREET	0.14	0.08	13-0023.2	Public	Grass Channel	0.05	76.25529406	36.85006261	Yes	3/22/2018	Active	JL54
Partrea Apartments	7408	TIDEWATER DRIVE	2.09	0.79	13-0026.1	Private	Manufactured Treatment Device	0.70	76.25550106	36.9076106	No	1/1/2016	Active	CB26
7-Eleven	4500	E PRINCESS ANNE ROAD	0.74	0.51	13-0031.1	Private	Manufactured Treatment Device	0.07	76.23496607	36.86736261	No	1/2/2014	Active	JL54
Ocean View Avenue Duplex	1400	W OCEAN VIEW AVENUE	0.15	0.08	13-0040.1	Private	Detention Basin	0.12	76.29108097	36.96723841	Yes	9/29/2014	Active	CB26
Bay Oaks Park	2300	E OCEAN VIEW AVENUE	12.27	2.22	13-0046.1	Public	Detention Basin	3.29	76.21222869	36.93341087	No	12/23/2022	Active	CB26
Bay Oaks Park	2300	E Ocean View Ave	12.27	2.22	13-0046.2	Public	Detention Basin	3.29	76.21222895	36.93337295	No	12/23/2022	Active	CB26
Shirley Avenue Parking Lot	1420	COLONIAL AVENUE	0.79	0.59	13-0049.1	Private	Manufactured Treatment Device	0.17	76.29226626	36.86523024	Yes	7/9/2014	Active	JL56
Shirley Avenue Parking Lot	1420	COLONIAL AVENUE	0.79	0.59	13-0049.2	Private	Manufactured Treatment Device	0.13	76.29273518	36.86529539	Yes	7/9/2014	Active	JL56
Shirley Avenue Parking Lot	1420	COLONIAL AVENUE	0.79	0.59	13-0049.3	Private	Manufactured Treatment Device	0.36	76.2924853	36.8651488	Yes	7/9/2014	Active	JL56
Knitting Mill Creek Living Shoreline		Mayflower Road	0.35	0.00	13-0050.1	Public	Shoreline Management	0.35	76.2930613	36.88601751	No	10/25/2018	Active	JL56
Pretty Lake Greens	3112	PRETTY LAKE AVENUE	0.70	0.30	13-0057.1	Private	Detention Basin	0.70	76.20452478	36.92936718	Yes	1/1/2015	Active	CB26
Towing Operations Center	1188	LANCE ROAD	3.30	2.97	13-0061.1	Public	Bioretention	2.65	76.21643432	36.86615568	No	11/19/2013	Active	JL54
Leigh Hall Assisted Living Building	890	POPLAR HALL DRIVE	1.82	1.14	13-0064.1	Private	Manufactured Treatment Device	1.03	76.19710408	36.85489361	Yes	1/1/2016	Active	JL57
Metro Machine Corporation Parking Lot Addition	200	LIGON STREET	18.12	3.53	13-0065.1	Private	Manufactured Treatment Device	0.31	76.28891646	36.83642837	Yes	1/1/2015	Active	JL53
3350 E. Princess Anne Rd. Walmart-Wawa	3350	E PRINCESS ANNE ROAD	7.45	6.22	13-0074.1	Private	Bioretention	0.60	76.24479329	36.86312531	Yes	1/1/2015	Active	JL54
3350 E. Princess Anne Rd. Walmart-Wawa	3350	E PRINCESS ANNE ROAD	7.45	6.22	13-0074.2	Private	Bioretention	0.47	76.24498641	36.86316823	Yes	1/1/2015	Active	JL53
Bus Transfer Station	434	SAINT PAULS BOULEVARD	4.56	3.84	13-0085.1	Public	Manufactured Treatment Device	0.18	76.28383727	36.85056352	No	12/22/2015	Active	JL54
Bus Transfer Station	434	SAINT PAULS BOULEVARD	4.56	3.84	13-0085.2	Public	Manufactured Treatment Device	0.19	76.28340247	36.85041622	No	12/22/2015	Active	JL54
Bus Transfer Station	434	SAINT PAULS BOULEVARD	4.56	3.84	13-0085.3	Public	Manufactured Treatment Device	0.11	76.28374675	36.85100022	No	12/22/2015	Active	JL54
Pretty Lake Condos	3216	PRETTY LAKE AVENUE	0.43	0.22	13-0089.1	Private	Extended Detention Basin	0.28	76.20381808	36.92938659	Yes	1/1/2015	Active	JL57
Bolling Square Phase 2	1001	BOLLING AVENUE	9.25	5.56	13-0090.1	Private	Bioretention	1.12	76.29835162	36.89104143	Yes	11/5/2015	Active	JL56
Ghent Station	952	W 21ST STREET	3.57	3.11	13-0091.1	Private	Manufactured Treatment Device	0.17	76.29843062	36.87192211	Yes	8/11/2015	Active	JL56
Bay Disposal Material Recovery Facility	685	DECKER STREET	3.83	2.05	14-0001.1	Private	Detention Basin	2.74	76.25284528	36.83481416	Yes	11/28/2016	Active	JL54
Barraud Park Pump Station #153	2509	Hanson Ave	0.24	0.07	14-0002.1	Public	Dry Swale	0.15	76.26448411	36.8647644	No	3/26/2018	Active	JL56
Barraud Park Pump Station #153	2509	Hanson Ave	0.24	0.07	14-0002.2	Public	Permeable Pavement	0.08	76.2644552	36.86463745	No	3/26/2018	Active	JL56
Parktowne Clubhouse	3857	FLOWERFIELD ROAD	1.41	0.63	14-0008.1	Private	Manufactured Treatment Device	0.38	76.19634706	36.91647873	No	1/1/2016	Active	CB26
Lake Taylor Field House	1384	Kempsville Road	0.57	0.20	14-0009.2	Public	Rooftop or Impervious Surface Disconnect	0.04	76.19855591	36.86869064	No	10/1/2014	Active	JL54
Lake Taylor Field House	1384	Kempsville Road	0.57	0.20	14-0009.1	Public	Rooftop or Impervious Surface Disconnect	0.30	76.19806534	36.86822789	No	10/1/2014	Active	JL54
Booker T. Washington Field House	1111	Park Ave	0.29	0.12	14-0010.1	School	Grass Channel	0.29	76.2694988	36.85337799	No	10/1/2014	Active	JL54
Car Storage Lot	3532	WAYCROSS ROAD	0.72	0.37	14-0017.1	Private	Detention Basin	1.11	76.22261563	36.89207847	Yes	1/1/2015	Active	CB26
NRHA Broad Creek Ph. 5	2800	CARY AVENUE	17.44	9.02	14-0022.1	Public	Extended Detention Basin	1.34	76.2603718	36.85799201	Yes	10/28/2016	Active	JL56
EA's Daycare	956	BERKLEY AVENUE EX	0.15	0.11	14-0026.1	Private	Permeable Pavement	0.16	76.2744242	36.82811723	No	1/1/2015	Active	JL54
VA Dermatology and Skin Cancer Center	5630	LOWERY ROAD	0.78	0.61	14-0029.1	Private	Manufactured Treatment Device	0.57	76.21339063	36.86221441	Yes	1/1/2016	Active	JL54
Forest Lawn Mausoleum	8100	GRANBY STREET	0.16	0.07	14-0045.1	Public	Detention Basin	0.20	76.26711057	36.92511079	No	1/1/2015	Active	JL57
Norfolk Hotel and Conference Center	120	E MAIN STREET	1.42	1.42	14-0047.1	Private	Manufactured Treatment Device	0.44	76.29170067	36.84620983	No	2/10/2017	Active	JL54
Sam's Club	741	E LITTLE CREEK ROAD	14.52	13.50	14-0049.1	Private	Manufactured Treatment Device	2.63	76.25390845	36.91420005	Yes	12/7/2015	Active	JL56
Sam's Club	741	E Little Creek Road	14.52	13.5	14-0049.2	Private	Manufactured Treatment Device	2.63	76.25320142	36.91426846	Yes	12/7/2015	Active	JL56
2800 Church Street	2800	CHURCH STREET	0.59	0.34	14-0053.1	Private	Bioretention 2	0.59	76.28039514	36.87209764	No	7/30/2020	Active	JL56
Jehovah's Witnesses Parking Lot Improvements	959	INGLESIDE ROAD	0.68	0.40	14-0057.1	Private	Grass Channel	0.18	76.23847132	36.8517591	No	8/15/2017	Active	JL54
Jehovah's Witnesses Parking Lot Improvements	959	INGLESIDE ROAD	0.68	0.40	14-0057.2	Private	Grass Channel	0.15	76.23863494	36.85188962	No	8/15/2017	Active	JL54
Metro Machine - Lot D Parking	200	LIGON STREET	0.95	0.68	14-0060.1	Private	Detention Basin	0.96	76.28871729	36.83761925	Yes	12/12/2017	Active	JL53
Front Street Apartments	519	FRONT STREET	1.40	0.95	14-0064.1	Private	Manufactured Treatment Device	0.47	76.30034182	36.85362986	Yes	6/13/2018	Active	JL56
Oaks at Elmhurst	4820	BEAMON ROAD	1.37	0.57	14-0070.1	Private	Credit Purchase	0.00	76.23181676	36.87984017	No	10/16/2017	Active	JL56
Oaks at Elmhurst	4820	BEAMON ROAD	1.37	0.57	14-0070.2	Private	Grass Channel	0.81	76.23194014	36.88032564	No	10/16/2017	Active	JL56
The Banks at Berkley	701	SOUTH MAIN STREET	2.65	1.48	14-0072.1	Private	Manufactured Treatment Device	1.31	76.28476771	36.83283508	Yes	3/31/2017	Active	JL53
The Banks at Berkley	701	SOUTH MAIN STREET	2.65	1.48	14-0072.2	Private	Manufactured Treatment Device	1.10	76.28487616	36.83262607	Yes	3/31/2017	Active	JL53
Campostella Elementary	1106	CAMPOSTELLA ROAD	18.48	5.00	14-0073.1	School	Wet Pond	3.12	76.26080419	36.82920339	No	8/22/2016	Active	JL54
The Ballentine Expansion	7211	GRANBY STREET	2.34	1.24	14-0074.1	Private	Manufactured Treatment Device	0.67	76.27632114	36.908131	Yes	1/1/2016	Active	JL56
Norfolk Juvenile Detention Center Pond	1310	CHILD CARE COURT	28.83	5.04	14-0079.1	Public	Wet Pond 1	29.97	76.20878945	36.8673228	No	1/1/1999	Active	JL54
Mixed Use Development Church St.	1402	CHURCH STREET	0.64	0.29	14-0080.2	Private	Permeable Pavement 1	0.30	76.27782117	36.86063047	No	9/27/2016	Active	JL54
Mixed Use Development Church St.	1402	CHURCH STREET	0.64	0.29	14-0080.1	Private	Detention Basin	0.30	76.27787455	36.86096094	No	9/27/2016	Active	JL54
Simms Road Street & Drainage Improvements	3528	SIMMS ROAD	0.59	0.59	14-0081.1	Private	Dry Swale 1	0.59	76.1992172	36.92001132	Yes	12/22/2016	Active	CB26
Larchmont Elementary School	1145	BOLLING AVENUE	20.40	4.90	14-0084.1	School	Wet Pond	7.34	76.29960905	36.89014148	No	6/2/2017	Active	JL56
Ocean View Elementary School	9501	MASON CREEK ROAD	25.80	5.03	14-0085.1	School	Wet Pond	5.40	76.26045738	36.95501135	No	8/31/2017	Active	JL57
Taco Bell	649	N NEWTOWN ROAD	0.78	0.56	14-0086.1	Private	Rooftop or Impervious Surface Disconnect	0.05	76.18153396	36.84833209	Yes	1/29/2016	Active	JL54

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.1	Private	Dry Swale 2	0.14	76.19814432	36.92964673	Yes	4/19/2017	Active	CB26
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.2	Private	Dry Swale 2	0.03	76.19814432	36.92964673	Yes	4/19/2017	Active	CB26
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.3	Private	Dry Swale 2	0.03	76.19814432	36.92964673	Yes	4/19/2017	Active	CB26
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.4	Private	Rooftop or Impervious Surface Disconnect	0.02	76.19814432	36.92964673	Yes	4/19/2017	Active	CB26
Metro Towing Company, Inc.	5870	CURLEW DRIVE	0.89	0.79	14-0094.1	Private	Permeable Pavement 1	0.30	76.20355266	36.84209448	Yes	3/20/2017	Active	JL54
9535 6th Bay Duplex	9536	6TH BAY STREET	0.26	0.01	14-0095.1	Private	Rooftop or Impervious Surface Disconnect	0.17	76.21146952	36.93121241	No	1/25/2018	Active	CB26
Ghent Village	225	W PRINCESS ANNE ROAD	7.39	0.19	14-0096.1	Private	Grass Channel	7.39	76.28932387	36.86047525	No	1/8/2016	Active	JL54
Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.1	Public	Infiltration 1	0.08	76.24052321	36.94458137	No	11/2/2018	Active	CB26
Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.2	Public	Infiltration 1	0.11	76.24068414	36.94468445	No	11/2/2018	Active	CB26
Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.3	Public	Infiltration 1	0.14	76.24082898	36.94471173	No	11/2/2018	Active	CB26
450 Boush St. Mixed Use Development	450	BOUSH STREET	0.74	0.74	15-0002.1	Private	Manufactured Treatment Device	0.71	76.29008983	36.85267804	No	10/20/2017	Active	JL54
Clairmont Apartments	1050	BERKLEY AVENUE EX	9.29	4.24	15-0006.1	Private	Wet Pond 1	8.16	76.27056394	36.82729661	Yes	5/31/2017	Active	JL54
Roper Home Parking Lot	127	E 40TH STREET	0.62	0.08	15-0008.1	Private	Permeable Pavement 2	0.12	76.28029683	36.88287003	Yes	2/22/2017	Active	JL56
Fairmount Park Phase 13B	2900	Verdun Ave	3.87	1.91	15-0010.1	Public	Manufactured Treatment Device	0.34	76.25742112	36.87143946	No	9/21/2017	Active	JL56
Fairmount Park Phase 13B	2960	Verdun Ave	3.87	1.91	15-0010.2	Public	Manufactured Treatment Device	0.23	76.25649308	36.87384641	No	9/21/2017	Active	JL56
Fairmount Park Phase 13B	2966	Verdun Ave	3.87	1.91	15-0010.3	Public	Manufactured Treatment Device	0.46	76.25732054	36.87408764	No	9/21/2017	Active	JL56
Fairmount Park Phase 13B	2965	Verdun Ave	3.87	1.91	15-0010.4	Public	Manufactured Treatment Device	0.41	76.25661512	36.87386658	No	9/21/2017	Active	JL56
Parkdale Channel Improvements	7400	EAST KENMORE DRIVE	2.28	0.00	15-0011.1	Public	Stream Restoration	52.20	76.26706634	36.91094574	No	6/1/2017	Active	JL56
Jeff Robertson Park	1500	ARMISTEAD BRIDGE ROAD	5.51	0.11	15-0014.1	Public	Stormwater Wetland	14.66	76.30549008	36.87331081	No	4/19/2019	Active	JL56
Maiden's Watch 7 Lot Subdivision	3901	E OCEAN VIEW AVENUE	1.01	0.45	15-0016.1	Private	Infiltration 1	0.09	76.19477547	36.93055581	Yes	5/7/2021	Active	CB26
Maiden's Watch 7 Lot Subdivision	3901	E OCEAN VIEW AVENUE	1.01	0.45	15-0016.2	Private	Infiltration 1	0.09	76.19477547	36.93055581	Yes	5/7/2021	Active	CB26
Maiden's Watch 7 Lot Subdivision	3901	E OCEAN VIEW AVENUE	1.01	0.45	15-0016.3	Private	Infiltration 1	0.12	76.19456089	36.93055581	Yes	5/7/2021	Active	CB26
Maiden's Watch 7 Lot Subdivision	3901	E OCEAN VIEW AVENUE	1.01	0.45	15-0016.4	Private	Infiltration 1	0.08	76.19456089	36.93055581	Yes	5/7/2021	Active	CB26
Maiden's Watch 7 Lot Subdivision	3901	E OCEAN VIEW AVENUE	1.01	0.45	15-0016.5	Private	Infiltration 1	0.12	76.19456089	36.93055581	Yes	5/7/2021	Active	CB26
Maiden's Watch 7 Lot Subdivision	3901	E OCEAN VIEW AVENUE	1.01	0.45	15-0016.6	Private	Infiltration 1	0.10	76.19456089	36.93055581	Yes	5/7/2021	Active	CB26
Bauer Compressors - Bldg 4 Expansion	1330	1340 AZALEA GARDEN ROAD	5.01	3.62	15-0017.1	Private	Infiltration 1	0.05	76.23333489	36.86291071	Yes	5/7/2021	Active	JL54
BJ's Gas Station	5832	E VIRGINIA BEACH BOULEVARD	0.90	0.73	15-0018.1	Private	Bioretention 1	0.23	76.20546394	36.85609725	Yes	12/1/2015	Active	JL54
BJ's Gas Station	5832	E VIRGINIA BEACH BOULEVARD	0.90	0.73	15-0018.2	Private	Manufactured Treatment Device	0.06	76.2057197	36.85598399	Yes	12/1/2015	Active	JL54
901 Ballentine Boulevard Parking Lot	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.1	Private	Bioretention 1	0.12	76.24906873	36.85034437	Yes	9/26/2017	Active	JL54
901 Ballentine Boulevard Parking Lot	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.2	Private	Bioretention 1	0.09	76.24924039	36.85021559	Yes	9/26/2017	Active	JL54
901 Ballentine Boulevard Parking Lot	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.3	Private	Bioretention 2	0.17	76.24870395	36.85029286	Yes	9/26/2017	Active	JL54
901 Ballentine Boulevard Parking Lot	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.4	Private	Bioretention 1	0.22	76.24895071	36.85006964	Yes	9/26/2017	Active	JL54
Partrea Site Improvements	701	EASY STREET	0.60	0.36	15-0021.1	Private	Permeable Pavement 1	0.14	76.25461361	36.90796758	Yes	5/17/2017	Active	JL56
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.1	Private	Manufactured Treatment Device	0.32	76.27843875	36.86663505	No	12/12/2017	Active	JL56
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.2	Private	Manufactured Treatment Device	0.11	76.27747427	36.86661549	No	12/12/2017	Active	JL56
Coastal Villas by the Bay	7922	SHORE DRIVE	1.65	1.18	15-0025.1	Private	Bioretention 2	0.77	76.19241512	36.91890838	Yes	8/19/2019	Active	CB26
Coastal Villas by the Bay	7922	SHORE DRIVE	1.65	1.18	15-0025.2	Private	Grass Channel	0.33	76.19241512	36.91890838	Yes	8/15/2019	Active	CB26
Coastal Villas by the Bay	7922	SHORE DRIVE	1.65	1.18	15.0025.3	Private	Grass Channel	0.27	76.19241512	36.91890838	Yes	8/15/2019	Active	CB26
Lowery Road Pedestrian Improvements		LOWERY ROAD	0.81	0.67	15-0028.1	Public	Manufactured Treatment Device	0.19	76.20766738	36.86467276	No	12/7/2016	Active	JL54
Lowery Road Pedestrian Improvements		LOWERY ROAD	0.81	0.67	15-0028.2	Public	Manufactured Treatment Device	0.48	76.206004	36.86548449	No	12/7/2016	Active	JL54
1081 Military Hwy Retail Shops	1081	N MILITARY HIGHWAY	0.83	0.65	15-0031.1	Private	Manufactured Treatment Device	0.20	76.21098163	36.85839359	Yes	6/7/2018	Active	JL54
Dollar General Store	8474	CHESAPEAKE BOULEVARD	1.03	0.73	15-0035.1	Private	Manufactured Treatment Device	0.37	76.24339603	36.92930436	Yes	5/9/2016	Active	CB26
Watermark at Talbot Park - Ph. I	7201	NEWPORT AVENUE	5.61	4.16	15-0036.1	Private	Bioretention 1	0.97	76.28094553	36.909172	Yes	12/9/2016	Active	JL56
Watermark at Talbot Park - Ph. I	7201	NEWPORT AVENUE	5.61	4.16	15-0036.2	Private	Bioretention 1	0.51	76.28024006	36.90953144	Yes	12/9/2016	Active	JL56
Watermark at Talbot Park - Ph. I	7201	NEWPORT AVENUE	5.61	4.16	15-0036.3	Private	Bioretention 1	0.19	76.28035123	36.9089905	Yes	12/9/2016	Active	JL56
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.1	Private	Bioretention 1	1.11	76.18335999	36.84957883	Yes	10/29/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.2	Private	Bioretention 1	1.32	76.18252851	36.84977916	Yes	10/29/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.3	Private	Bioretention 1	1.52	76.18337609	36.85140177	Yes	10/29/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.4	Private	Bioretention 1	1.15	76.18410565	36.85081798	Yes	10/29/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	10.73	0.47	15-0038.5	Private	Bioretention 1	1.60	76.18440606	36.85156489	Yes	10/29/2018	Active	JL54
Captain's Landing	929	E Ocean View Ave	3.57	2.06	15-0039.1	Private	Infiltration 1	2.43	76.24120748	36.94743208	Yes	4/28/2018	Active	CB26
Captain's Landing	929	E Ocean View Ave	3.57	2.06	15-0039.2	Private	Infiltration 2	1.15	76.2415036	36.94725917	Yes	4/28/2018	Active	CB26
Premium Outlets Boulevard	5992	NORTHAMPTON BOULEVARD	6.36	1.92	15-0043.1	Public	Manufactured Treatment Device	0.73	76.19311953	36.87769884	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	NORTHAMPTON BOULEVARD	6.36	1.92	15-0043.2	Public	Manufactured Treatment Device	1.19	76.19496859	36.88041118	No	9/25/2017	Active	JL54
Norfolk Academy Football Field	1585	WESLEYAN DRIVE	4.16	2.30	15-0044.1	Private	Permeable Pavement 1	2.30	76.19316614	36.87351961	Yes	3/11/2021	Active	JL54
Norfolk Academy Football Field	1585	WESLEYAN DRIVE	4.16	2.30	15-0044.2	Private	Infiltration 1	2.30	76.19316614	36.87351961	Yes	3/11/2021	Active	JL54
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.3	Private	Wet Pond 1	4.55	76.19742549	36.88267676	Yes	9/26/2017	Active	CB26
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.4	Public	Bioretention 2	1.22	76.20335853	36.88031678	No	9/26/2017	Active	CB26
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.1	Private	Wet Pond 1	19.38	76.20122312	36.87920947	No	9/26/2017	Active	CB26
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.2	Private	Wet Pond 1	24.40	76.20174009	36.87957446	Yes	9/26/2017	Active	CB26
Milton Point at Kimball Terrace Shipyard	2401	KIMBALL TERRACE	14.66	5.53	15-0046.1	Private	Dry Swale 1	1.20	76.26224373	36.84266332	Yes	1/13/2017	Active	JL54
Milton Point at Kimball Terrace Shipyard	2401	KIMBALL TERRACE	14.66	5.53	15-0046.2	Private	Dry Swale 1	1.44	76.26088117	36.84233547	Yes	1/13/2017	Active	JL54
Milton Point at Kimball Terrace Shipyard	2401	KIMBALL TERRACE	14.66	5.53	15-0046.3	Private	Dry Swale 1	0.40	76.26119767	36.84291831	Yes	1/13/2017	Active	JL54
Gosnold Drainage Improvements	1	Gosnold Ave	0.88	0.00	15-0047.1	Public	Manufactured Treatment Device	3.64	76.29446223	36.87190837	No	3/25/2022	Active	JL56
Food Bank Paving Addition	900	TIDEWATER DRIVE	0.37	0.19	15-0048.2	Private	Detention Basin	0.29	76.27372358	36.85217544	Yes	7/19/2018	Active	JL54
Food Bank Paving Addition	900	TIDEWATER DRIVE	0.37	0.19	15-0048.1	Private	Bioretention 1	0.15	76.27383087	36.85221413	Yes	7/19/2018	Active	JL54
7-Eleven	735	E OCEAN VIEW AVENUE	1.04	0.72	15-0049.1	Private	Manufactured Treatment Device	0.11	76.24436868	36.94921773	Yes	1/1/2017	Active	CB26
7-Eleven	735	E OCEAN VIEW AVENUE	1.04	0.72	15-0049.2	Private	Manufactured Treatment Device	0.17	76.24438558	36.94922402	Yes	1/1/2017	Active	CB26
7-Eleven	735	E OCEAN VIEW AVENUE	1.04	0.72	15-0049.3	Private	Manufactured Treatment Device	0.44	76.24438558	36.94922402	Yes	1/1/2017	Active	CB26
7-Eleven	735	E OCEAN VIEW AVENUE	1.04	0.72	15-0049.4	Private	Manufactured Treatment Device	0.00	76.24438558	36.94909541	Yes	1/1/2017	Active	CB26
Dunkin Donuts	8410	HAMPTON BOULEVARD	0.33	0.27	15-0051.1	Private	Bioretention 1	0.34	76.31766351	36.9294409	Yes	12/27/2017	Active	JL57
Norfolk Academy Leadership Center	1585	WESLEYAN DRIVE	0.75	0.44	15-0052.1	Private	Bioretention- Urban	0.23	76.19368112	36.87353878	Yes	4/13/2021	Active	JL54
LIDL Grocery Store	6440	N MILITARY HIGHWAY	6.18	4.35	15-0054.1	Private	Extended Detention Pond 1	5.85	76.22569596	36.90022418	Yes	6/30/2017	Active	CB26
Norfolk Christian Soccer Field	225	Thole Street	2.96	0.25	15-0058.1	Private	Grass Channel	0.80	76.27124333	36.90473222	Yes	5/2/2017	Active	JL56
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.70	1.33	15-0059.1	Private	Bioretention- Urban	0.13	76.19267932	36.87493123	Yes	6/28/2017	Active	JL54
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.70	1.33	15-0059.2	Private	Permeable Pavement 1	0.13	76.19358074	36.87455571	Yes	6/28/2017	Active	JL54
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.70	1.33	15-0059.3	Private	Grass Channel	0.21	76.19262031	36.87484323	Yes	6/28/2017	Active	JL54
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.70	1.33	15-0059.4	Private	Rooftop or Impervious Surface Disconnect	0.14	76.19301191	36.87477041	Yes	6/28/2017	Active	JL54
Colonna's Shipyard New Spotico Creek Facility	151	South Main Street	6.74	2.68	15-0062.1	Private	Manufactured Treatment Device	0.70	76.28094955	36.83868339	Yes	3/21/2018	Active	JL54
Colonna's Shipyard New Spotico Creek Facility	151	South Main Street	6.74	2.68	15-0062.2	Private	Dry Swale 1	5.00	76.28097101	36.8388036	Yes	3/21/2018	Active	JL54
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.1	Private	Grass Channel	0.08	76.19394934	36.93011178	Yes	9/27/2017	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.2	Private	Grass Channel	0.09	76.19394934	36.93011178	Yes	8/10/2017	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.3	Private	Grass Channel	0.09	76.19394934	36.93011178	Yes	8/11/2017	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.4	Private	Grass Channel	0.09	76.19394934	36.93011178	Yes	12/16/2016	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.5	Private	Grass Channel	0.10	76.19394934	36.93011178	Yes	1/24/2017	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.6	Private	Grass Channel	0.09	76.19394934	36.93011178	Yes	1/24/2017	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.7	Private	Grass Channel	0.09	76.19394934	36.93011178	Yes	11/16/2016	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.8	Private	Grass Channel	0.15	76.19394934	36.93011178	Yes	10/25/2016	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.50	16-0004.9	Private	Rooftop or Impervious Surface Disconnect	0.12	76.19394934	36.93011178	Yes	9/27/2017	Active	CB26

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.1	Private	Manufactured Treatment Device	1.93	76.20947333	36.86050106	Yes	9/18/2017	Active	JL54
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.2	Private	Manufactured Treatment Device	1.37	76.20942153	36.86065032	Yes	9/18/2017	Active	JL54
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.3	Private	Manufactured Treatment Device	0.50	76.20977986	36.86098486	Yes	9/18/2017	Active	JL54
Granby Townhomes	3239	Granby Street	0.24	0.14	16-0011.1	Private	Bioretention 1	0.06	76.28215466	36.87687629	Yes	8/28/2017	Active	JL56
Granby Townhomes	3241	Granby Street	0.24	0.14	16-0011.2	Private	Bioretention 1	0.05	76.28212711	36.87675623	Yes	8/28/2017	Active	JL56
Granby Townhomes	3243	Granby Street	0.24	0.14	16-0011.3	Private	Bioretention 1	0.05	76.28214903	36.87681866	Yes	8/28/2017	Active	JL56
Granby Townhomes	3245	Granby Street	0.24	0.14	16-0011.4	Private	Bioretention 1	0.07	76.2821916	36.87693632	Yes	8/28/2017	Active	JL56
5th-7th Bay Redevelopment	2512	PLEASANT AVENUE	11.16	5.71	16-0013.2	Public	Infiltration 2	1.58	76.21139442	36.93327481	Yes	5/14/2021	Active	CB26
5th-7th Bay Redevelopment	2512	PLEASANT AVENUE	11.16	5.71	16-0013.3	Public	Infiltration 2	1.56	76.21067023	36.93325662	Yes	5/12/2021	Active	CB26
5th-7th Bay Redevelopment	2512	PLEASANT AVENUE	11.16	5.71	16-0013.4	Public	Infiltration 2	1.21	76.21072924	36.93307166	Yes	5/12/2021	Active	CB26
5th-7th Bay Redevelopment	2512	PLEASANT AVENUE	11.16	5.71	16-0013.5	Public	Infiltration 2	0.66	76.20957052	36.93401159	Yes	5/14/2021	Active	CB26
5th-7th Bay Redevelopment	2512	PLEASANT AVENUE	11.16	5.71	16-0013.6	Public	Manufactured Treatment Device	1.36	76.21129787	36.93366594	Yes	5/14/2021	Active	CB26
Anne Outten Pond Retrofit	1401	Anne Street	99.43	58.95	16-0014.1	Public	Wet Pond 2	99.40	76.27977746	36.86050061	No	1/1/1995	Active	JL56
Lots 5-12 Glenroie Ave. 3 SFR	7408	Glenroie Ave	0.63	0.18	16-0016.1	Private	Credit Purchase	0	76.29865907	36.91172398	Yes	2/13/2017	Active	JL56
McCoy Duplex	2040	E OCEAN VIEW AVENUE	0.27	0.09	16-0018.1	Private	Infiltration 1	0.19	76.2171719	36.93689832	Yes	3/7/2018	Active	CB26
Rockefeller Apartments	252	BOUSH STREET	0.23	0.22	16-0019.1	Private	Manufactured Treatment Device	0.20	76.29209825	36.84934171	Yes	2/7/2018	Active	JL56
7-11 Colley Avenue	3805	COLLEY AVENUE	0.79	0.63	16-0020.1	Private	Manufactured Treatment Device	0.79	76.29494521	36.88058178	No	3/1/2017	Active	JL56
Lafayette Boulevard Streetscape Improvements	2115	LAFAYETTE BOULEVARD	1.51	1.00	16-0025.1	Public	Manufactured Treatment Device	0.27	76.26104962	36.87692361	No	3/22/2018	Active	JL56
Replacement Pump Station No. 4A		16th St & Monticello Ave	0.45	0.45	16-0026.1	Public	Grass Channel	0.45	76.28457275	36.86302106	No	8/11/2021	Active	JL56
Little Creek Storage	801	W LITTLE CREEK ROAD	1.30	0.99	16-0027.1	Private	Credit Purchase	0.00	76.28926966	36.91588461	Yes	1/31/2018	Active	JL56
East Coast Appliance	5671	Raby Road	0.91	0.73	16-0030.1	Private	Permeable Pavement 1	0.68	76.21136277	36.86047921	Yes	12/14/2017	Active	JL54
Norfolk Academy Lower School Addition	1585	WESLEYAN DRIVE	2.60	1.37	16-0031.1	Private	Bioretention- Urban	0.19	76.19310981	36.87244181	Yes	4/13/2021	Active	JL54
Norfolk Academy Lower School Addition	1585	WESLEYAN DRIVE	2.60	1.37	16-0031.2	Private	Rooftop or Impervious Surface Disconnect	0.20	76.19310981	36.87244181	Yes	4/13/2021	Active	JL54
Norfolk Academy Lower School Addition	1585	WESLEYAN DRIVE	2.60	1.37	16-0031.3	Private	Bioretention 1	0.48	76.19303471	36.87194416	Yes	4/13/2021	Active	JL54
Norfolk Academy Lower School Addition	1585	WESLEYAN DRIVE	2.60	1.37	16-0031.4	Private	Dry Swale 1	0.23	76.1932171	36.87184706	Yes	4/13/2021	Active	JL54
Norfolk Academy Refectory	1585	WESLEYAN DRIVE	0.25	0.14	16-0033.1	Private	Rooftop or Impervious Surface Disconnect	0.07	76.19368381	36.87312802	Yes	4/13/2021	Active	JL54
Grandy Village Phase VI	619	WILEY DRIVE	12.69	5.26	16-0034.1	Public	Wet Pond	7.71	76.24796319	36.84134504	No	5/10/2021	Active	JL54
Chartway Federal Credit Union	132	KEMPSVILLE ROAD	1.01	0.64	16-0035.1	Private	Infiltration 1	0.46	76.18760861	36.84258576	Yes	11/16/2017	Active	JL54
Chartway Federal Credit Union	132	KEMPSVILLE ROAD	1.01	0.64	16-0035.2	Private	Infiltration 2	0.39	76.18730284	36.84248255	Yes	11/16/2017	Active	JL54
210 E. 22nd St. - 36 Apts.	210	E 22ND STREET	0.70	0.46	16-0036.1	Private	Credit Purchase	0.00	76.2627219	36.8678732	No	9/26/2017	Active	JL56
14th Bay Street Residential	9547	9553 14th Bay Street	0.37	0.24	16-0037.1	Private	Bioretention- Urban	0.12	76.20222261	36.92935338	Yes	4/22/2019	Active	CB26
14th Bay Street Residential	9547	9553 14th Bay Street	0.37	0.24	16-0037.2	Private	Bioretention- Urban	0.03	76.20219982	36.92935513	Yes	4/22/2019	Active	CB26
14th Bay Street Residential	9547	9553 14th Bay Street	0.37	0.24	16-0037.3	Private	Bioretention- Urban	0.03	76.20216763	36.92936086	Yes	4/22/2019	Active	CB26
14th Bay Street Residential	9547	9553 14th Bay Street	0.37	0.24	16-0037.4	Private	Bioretention- Urban	0.03	76.2023071	36.92937767	Yes	4/22/2019	Active	CB26
Templar Boulevard Ditch Restoration		Templar Blvd	0.49	61.80	16-0046.1	Public	Other Retrofit- Stormwater Treatment	123.44	76.23923742	36.91979039	No	7/9/2018	Active	CB26
Central Business Park Pond Retrofit	910	Denison Avenue	3.34		16-0047.1	Public	Wet Pond 1	19.60	76.2503597	36.908858	No	11/14/2019	Active	JL56
Sunset Dr. at Chesapeake Blvd Drainage	1011	SUNSET DRIVE	2.25	2.25	16-0049.1	Public	Manufactured Treatment Device	2.25	76.24302579	36.92916818	No	4/6/2021	Active	CB26
Popular Hall Trail		POPLAR HALL CIRCLE	0.92	0.42	16-0049.1	Public	Compost Amendment	0.92	76.21207035	36.84887482	No	12/15/2017	Active	JL54
Arts Apartments	123	W VIRGINIA BEACH BOULEVARD	0.68	0.56	16-0052.1	Private	Detention Basin	0.20	76.2890229	36.85715228	Yes	4/15/2019	Active	JL56
Lake Modoc	925	E. Balview Ave	0.96	0.00	16-0054.1	Public	Wet Pond 2	81.30	76.24349068	36.94556387	No	10/25/2018	Active	CB26
Roberts Road Pond Retrofit	1374	Roberts Road			16-0055.1	Public	Wet Pond 2	57.60	76.25831997	36.8584816	No	12/13/2019	Active	JL56
Fairmount Park - Phase 14A	3301	Pershing Ave	3.20	0.31	16-0056.2	Public	Manufactured Treatment Device	5.15	76.25351758	36.87721191	No	12/7/2018	Active	JL56
Fairmount Park - Phase 14A	3301	Pershing Ave	3.20	0.31	16-0056.1	Public	Manufactured Treatment Device	2.69	76.25726398	36.87814075	No	12/7/2018	Active	JL56
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.1	Public	Dry Swale 2	0.57	76.25584666	36.85802122	No	6/13/2018	Active	JL56
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.2	Public	Bioretention 1	0.96	76.25574742	36.85736565	No	6/13/2018	Active	JL56
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.3	Public	Grass Channel	0.44	76.25577961	36.85681624	No	6/13/2018	Active	JL56
Kennebaeck Ave Azalea Garden Rd Drainage	3107	Azalea Garden Road	0.92	0.61	16-0060.1	Public	Manufactured Treatment Device	13.60	76.22591057	36.88138156	No	10/24/2018	Active	JL56
Starbucks - The Corner Shops	2000	COLONIAL AVENUE	0.39	0.29	16-0063.1	Private	Bioretention- Micro 1	0.05	76.29183385	36.86844302	Yes	1/10/2018	Active	JL56
Starbucks - The Corner Shops	2000	COLONIAL AVENUE	0.39	0.29	16-0063.2	Private	Permeable Pavement 1	0.01	76.29189531	36.86853192	Yes	1/10/2018	Active	JL56
Harbor Park Picnic Area	150	PARK AVENUE	0.30	0.22	16-0065.1	Private	Manufactured Treatment Device	0.46	76.27752964	36.84277528	Yes	2/14/2019	Active	JL54
Dune Street Wetland	420	DUNE STREET	1.01	0.00	16-0075.1	Public	Stormwater Wetland 2	12.45	76.25170783	36.93614655	No	8/10/2018	Active	JL57
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.1	Private	Bioretention 2	0.12	76.22237538	36.93590635	Yes	8/10/2017	Active	CB26
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.2	Private	Bioretention 2	0.11	76.22249877	36.93596698	Yes	8/10/2017	Active	CB26
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.3	Private	Bioretention 2	0.11	76.22265702	36.9360155	Yes	8/10/2017	Active	CB26
Norfolk Academy STEAM Addition	1585	WESLEYAN DRIVE	0.07	0.02	16-0078.1	Private	Rooftop or Impervious Surface Disconnect	0.02	76.19416392	36.87246407	Yes	4/15/2021	Active	JL54
New Horizon Outreach Ministries	1575	KERREY AVENUE	0.61	0.32	16-0088.1	Private	Compost Amendment	0.11	76.22987082	36.87077714	Yes	9/20/2017	Active	JL54
New Horizon Outreach Ministries	1575	KERREY AVENUE	0.61	0.32	16-0088.2	Private	Credit Purchase	0.00	76.22987082	36.87077714	Yes	9/20/2017	Active	JL54
814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	0.63	0.20	16-0091.5	Private	Bioretention- Micro 1	0.09	76.22876541	36.84341281	Yes	6/16/2021	Active	JL56
814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	0.63	0.20	16-0091.4	Private	Bioretention- Micro 1	0.08	76.22875977	36.84340316	Yes	6/16/2021	Active	JL56
814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	0.63	0.20	16-0091.3	Private	Bioretention- Micro 1	0.07	76.22875977	36.84340316	Yes	3/4/2022	Active	JL56
814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	0.63	0.20	16-0091.2	Private	Bioretention- Micro 1	0.07	76.22875977	36.84340316	Yes	7/8/2021	Active	JL56
814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	0.63	0.20	16-0091.1	Private	Bioretention- Micro 1	0.06	76.22875977	36.84340316	Yes	7/9/2021	Active	JL56
Linderwood Barraud Park Shoreline Restoration	1136	Vista Street	5.04	0.00	16-0092.1	Public	Shoreline Management	7.46	76.26692865	36.867965111	Yes	7/6/2021	Active	JL56
Linderwood Barraud Park Shoreline Restoration	1136	Vista Street	5.04	0.00	16-0092.2	Public	Shoreline Management	7.46	76.26956296	36.86952154	Yes	7/6/2021	Active	JL56
Linderwood Barraud Park Shoreline Restoration	1136	Vista Street	5.04	0.00	16-0092.3	Public	Shoreline Management	7.46	76.27176057	36.87029302	Yes	7/6/2021	Active	JL56
Beach Avenue Living Shoreline		Beach Ave	2.42		16-0093.1	Public	Shoreline Management	0.67	76.27578592	36.88241145	No	9/12/2018	Active	JL56
Beach Avenue Living Shoreline		Beach Ave	2.42		16-0093.2	Public	Shoreline Management	0.27	76.27600803	36.88103839	No	9/12/2018	Active	JL56
Lake Whitehurst Boat Ramp & Boarding Pier	4275	Heutte Drive	1.17	0.75	16-0096.1	Public	Credit Purchase	0.00	76.19042634	36.91244009	Yes	10/19/2017	Active	CB26
1855 Kingston Ave. Duplex	1855	KINGSTON AVENUE	0.17	0.08	16-0097.2	Private	Infiltration 1	0.05	76.22403616	36.93751689	Yes	6/7/2019	Active	CB26
1855 Kingston Ave. Duplex	1855	KINGSTON AVENUE	0.17	0.08	16-0097.1	Private	Infiltration 2	0.12	76.22398559	36.93749613	Yes	6/7/2019	Active	CB26
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.90	16-0098.1	Private	Permeable Pavement 1	0.06	76.28506932	36.85219731	Yes	4/2/2019	Active	JL56
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.90	16-0098.2	Private	Permeable Pavement 1	0.05	76.2842432	36.85230051	Yes	4/2/2019	Active	JL56
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.90	16-0098.3	Private	Manufactured Treatment Device	1.99	76.28415201	36.85200913	Yes	4/2/2019	Active	JL56
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.90	16-0098.4	Private	Manufactured Treatment Device	1.14	76.28291819	36.85194903	Yes	4/2/2019	Active	JL56
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.90	16-0098.5	Private	Credit Purchase	0.00	76.28324006	36.85184601	Yes	4/2/2019	Active	JL56
Villa Circle Living Shoreline	2500	Block of Villa Circle			16-0099.1	Public	Shoreline Management		76.2727581	36.87238808	No	5/1/2019	Active	JL56
Villa Circle Living Shoreline	2600	block of Villa Circle			16-0099.2	Public	Shoreline Management		76.27372195	36.87373234	No	5/1/2019	Active	JL56
1424, 1426, & 1428 W Ocean View Ave.	1426	W OCEAN VIEW AVENUE	0.82	0.33	16-0102.1	Private	Infiltration 1	0.43	76.29207435	36.96750339	Yes	5/1/2019	Active	CB26
1424, 1426, & 1428 W Ocean View Ave.	1426	W OCEAN VIEW AVENUE	0.82	0.33	16-0102.2	Private	Infiltration 1	0.43	76.29207435	36.96750339	Yes	5/1/2019	Active	CB26
Norfolk Courts Rear Access	811	E CITY HALL AVENUE	2.89	2.58	16-0105.1	Public	Infiltration 1	0.09	76.28461871	36.84639058	No	12/20/2017	Active	JL54
CIRS Facility	900	ASBURY AVENUE	3.44	3.35	16-0106.1	Private	Wet Pond 1	4.32	76.250383	36.91189162	Yes	3/5/2018	Active	CB26
CIRS Facility	900	ASBURY AVENUE	3.44	3.35	16-0106.2	Private	Manufactured Treatment Device	4.32	76.2504742	36.91163686	Yes	3/5/2018	Active	CB26
4013 Colley Mixed Use	4013	COLLEY AVENUE	0.39	0.25	16-0109.2	Private	Credit Purchase	0.00	76.2952237	36.88199683	Yes	11/25/2019	Active	JL56
4013 Colley Mixed Use	4013	Colley Avenue	0.39	0.25	16-0109.1	Private	Permeable Pavement 2	0.11	76.29525812	36.88202157	Yes	11/25/2019	Active	JL56
Royal Farms	5516	Raby Road	3.22	2.08	16-0115.5	Private	Manufactured Treatment Device	0.18	76.21959544	36.85688465	Yes	12/28/2018	Active	JL56
Royal Farms	5516	RABY ROAD	3.22	2.08	16-0115.1	Private	Detention Basin	1.26	76.219087	36.85710504	Yes	12/28/2018	Active	JL54
Royal Farms	5516	RABY ROAD	3.22	2.08	16-0115.2	Private	Detention Basin	0.87	76.21963417	36.85644339	Yes	12/28/2018	Active	JL54
Royal Farms	5516	RABY ROAD	3.22	2.08	16-0115.3	Private	Detention Basin	0.87	76.2206105	36.85651016	Yes	12/28/2018	Active	JL54
Royal Farms	5516	RABY ROAD	3.22	2.08	16-0115.4	Private	Credit Purchase	0.00	76.2206105	36.85651016	Yes	12/28/2018	Active	JL54

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
YMCA Gym Addition	312	W BUTE STREET	1.70	1.32	16-0117.1	Private	Manufactured Treatment Device	0.20	76.29462335	36.85331283	Yes	3/26/2018	Active	JL56
YMCA Gym Addition	312	W BUTE STREET	1.70	1.32	16-0117.2	Private	Manufactured Treatment Device	0.12	76.29459921	36.85310036	Yes	3/26/2018	Active	JL56
9650 Shore Drive-East Beach Veterinary Clinic	9650	Shore Drive	0.18	0.13	17-0002.1	Private	Infiltration 1	11.71	76.19129138	36.9294413	Yes	1/25/2019	Active	CB26
LAKE TAYLOR	1380	KEMPSVILLE ROAD	43.00	0.00	17-0004.1	Public	Wet Pond 2	1,465.90	76.20453235	36.86871876	No	5/1/2020	Active	JL54
Pump Station 10 Service Area-Maryland Ave PS	401	Maryland Avenue	0.08	0.03	17-0008.1	Public	Grass Channel	0.00	76.28529811	36.88117061	No	12/1/2021	Active	JL56
Dollar General	1540	INTERNATIONAL BOULEVARD	1.44	0.80	17-0010.1	Private	Credit Purchase	0.00	76.22685468	36.89686088	No	11/30/2017	Active	CB26
529 W 24th Street	529	W 24TH STREET	2.19	2.08	17-0011.1	Private	Credit Purchase	0.00	76.29220936	36.87168499	No	6/19/2017	Active	JL56
Valley Self Storage Additional Buildings	1117	Valley Drive	0.97	0.84	17-0012.1	Private	Infiltration Practices	0.41	76.21131628	36.859763 12	Yes	11/26/2018	Active	JL54
Valley Self Storage Additional Buildings	1117	Valley Drive	0.97	0.84	17-0012.2	Private	Infiltration Practices	0.36	76.21129557	36.85966255	Yes	11/26/2018	Active	JL54
IKEA	6000	NORTHAMPTON BOULEVARD	18.87	15.41	17-0014.1	Private	Manufactured Treatment Device	5.22	76.20256493	36.87563164	Yes	4/4/2019	Active	CB26
IKEA	6000	NORTHAMPTON BOULEVARD	18.87	15.41	17-0014.2	Private	Manufactured Treatment Device	10.82	76.20085021	36.87537007	Yes	4/4/2019	Active	CB26
2714-2718 Pleasant Ave Duplex	2714	Pleasant Ave	0.20	0.11	17-0015.1	Private	Infiltration 2	0.15	76.20839968	36.93210587	Yes	4/8/2019	Active	CB26
Sunshine Villas	1218	W OCEAN VIEW AVENUE	0.33	0.30	17-0016.1	Private	Bioretention- Micro 1	0.03	76.28517392	36.96802846	Yes	11/2/2018	Active	CB26
Virginia Zoo Exhibit Building Renovation	3500	GRANBY STREET	0.24	0.10	17-0019.1	Public	Bioretention 1	0.19	76.27552961	36.87648356	Yes	2/4/2019	Active	JL56
Cook Out	720	E. Little Creek Road	0.67	0.49	17-0021.1	Private	Manufactured Treatment Device	0.28	76.25291116	36.91615452	Yes	1/11/2019	Active	JL57
Cook Out	720	E. Little Creek Road	0.67	0.49	17-0021.2	Private	Manufactured Treatment Device	0.28	76.25278064	36.9165497	Yes	1/11/2019	Active	JL57
North Shore Road Living Shoreline	7605	N Shore Road	1.04	0.00	17-0023.1	Public	Shoreline Management	0.43	76.31073507	36.91344779	No	7/2/2019	Active	JL56
North Shore Road Living Shoreline		Eastern Shoreline of Hermitage	1.04	0.00	17-0023.2	Private	Shoreline Management	0.61	76.31181906	36.9117008	No	7/2/2019	Active	JL56
1224-1228 West Ocean View	1224	W OCEAN VIEW AVENUE	0.21	0.16	17-0024.1	Private	Credit Purchase	0.00	76.28551456	36.96784445	No	7/24/2017	Active	CB26
1st View St. - 3 SFR	9225	1ST VIEW STREET	0.43	0.16	17-0028.1	Private	Rooftop or Impervious Surface Disconnect	0.07	76.26479176	36.94793438	Yes	12/10/2019	Active	JL57
1st View St. - 3 SFR	9225	1ST VIEW STREET	0.43	0.16	17-0028.3	Private	Rooftop or Impervious Surface Disconnect	0.07	76.26466208	36.94792721	Yes	12/10/2019	Active	JL57
1st View St. - 3 SFR	9225	1ST VIEW STREET	0.43	0.16	17-0028.2	Private	Rooftop or Impervious Surface Disconnect	0.07	76.26473879	36.94784519	Yes	12/10/2019	Active	JL57
Coastal Breeze Car Wash	834	N MILITARY HIGHWAY	1.84	1.24	17-0029.1	Private	Credit Purchase	0.00	76.20917713	36.85220699	Yes	4/19/2017	Active	JL54
Apple Retail Properties	6290	NORTHAMPTON BOULEVARD	8.10	5.99	17-0030.1	Private	Wet Pond 1	7.88	76.19374536	36.87819621	Yes	12/17/2020	Active	CB26
Reeves Avenue Substation Improvements	1724	LOVITT AVENUE	1.39	1.39	17-0035.1	Private	Credit Purchase	0.00	76.2732207	36.8421577	No	11/3/2017	Active	JL54
2617 Pleasant Ave Duplex	2617	Pleasant Ave	0.23	0.11	17-0036.1	Private	Credit Purchase	0.18	76.20996561	36.93219828	No	12/19/2017	Active	CB26
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	4.27	2.26	17-0039.1	Private	Manufactured Treatment Device	0.98	76.18162728	36.85344447	Yes	10/15/2018	Active	JL54
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	4.27	2.26	17-0039.2	Private	Manufactured Treatment Device	2.60	76.18185795	36.85292241	Yes	10/15/2018	Active	JL54
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	4.27	2.26	17-0039.3	Private	Credit Purchase	0.00	76.18202961	36.85336883	Yes	10/15/2018	Active	JL54
MHI - Raleigh Ave. Parking Lot	1215	RALEIGH AVENUE	1.86	1.61	17-0042.1	Private	Credit Purchase	0.00	76.30770255	36.86617885	No	12/11/2017	Active	JL56
3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	0.34	0.15	17-0043.1	Private	Bioretention 1	0.16	76.24037674	36.94485028	Yes	8/20/2018	Active	CB26
3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	0.34	0.15	17-0043.2	Private	Bioretention 2	0.13	76.24037674	36.94485028	Yes	8/20/2018	Active	CB26
3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	0.34	0.15	17-0043.3	Private	Permeable Pavement 1	0.02	76.24037674	36.94485028	Yes	8/20/2018	Active	CB26
3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	0.34	0.15	17-0043.4	Private	Permeable Pavement 2	0.04	76.24037674	36.94485028	Yes	8/20/2018	Active	CB26
Sentara Leigh Cancer Center	6241	E VIRGINIA BEACH BOULEVARD	7.45	6.26	17-0044.2	Private	Manufactured Treatment Device	1.46	76.19161605	36.85434966	Yes	1/13/2021	Active	JL54
Sentara Leigh Cancer Center	6241	E VIRGINIA BEACH BOULEVARD	7.45	6.26	17-0044.1	Private	Manufactured Treatment Device	2.51	76.19161605	36.85434966	Yes	1/13/2021	Active	JL54
Baylor Warehouse Building Addition	1836	ELMWOOD AVENUE	0.86	0.66	17-0045.2	Private	Credit Purchase	0.00	76.27963038	36.86553378	No	4/2/2018	Active	JL56
Baylor Warehouse Building Addition	1836	ELMWOOD AVENUE	0.86	0.66	17-0045.1	Private	Detention Basin	0.34	76.27963038	36.86553378	Yes	7/6/2020	Active	JL56
Americana Townhomes	4342	E LITTLE CREEK ROAD	1.95	1.05	17-0046.2	Private	Credit Purchase	0.00	76.19090087	36.91877221	No	8/15/2018	Active	CB26
2607 Colonial Ave	2607	COLONIAL AVENUE	1.37	1.13	17-0052.2	Private	Credit Purchase	0.00	76.29032977	36.87335634	No	2/11/2019	Active	JL56
2607 Colonial Ave	2607	COLONIAL AVENUE	1.37	1.13	17-0052.1	Private	Manufactured Treatment Device	1.20	76.29032977	36.87335634	Yes	2/11/2019	Active	JL56
Norfolk Botanical Garden- NATO Tower Renovations	6700	Azalea Garden Road	0.81	0.21	17-0053.1	Public	Permeable Pavement	0.45	76.19848042	36.90345288	No	5/11/2021	Active	CB26
Coastal Services	805	FORD DRIVE	1.40	1.23	17-0056.1	Private	Rooftop or Impervious Surface Disconnect	0.19	76.2528149	36.83224756	Yes	1/6/2020	Active	JL54
8011-8015 Woodall Rd Duplex	8011	WOODALL ROAD	0.41	0.21	17-0057.1	Private	Credit Purchase	0.00	76.19812495	36.92045169	No	12/19/2017	Active	CB26
Hermitage Living Shoreline		Western Shoreline of Hermitage	1.11	0.00	17-0063.1	Private	Shoreline Management	0.72	76.31369263	36.91192168	No	7/2/2019	Active	JL56
Hermitage Living Shoreline		Southwestern Shoreline at Hermitage	1.11	0.00	17-0063.2	Public	Shoreline Management	0.39	76.31421165	36.91060775	No	7/2/2019	Active	JL56
United Disposal Laydown Yard	5835	HARGROVE STREET	0.41	0.32	17-0064.2	Private	Credit Purchase	0.00	76.20502228	36.84362716	No	12/19/2017	Active	JL54
United Disposal Laydown Yard	5835	HARGROVE STREET	0.41	0.32	17-0064.1	Private	Infiltration Practices	0.41	76.20502228	36.84362716	Yes	3/1/2018	Active	JL54
Lake Wright Properties Redevelopment	6280	NORTHAMPTON BOULEVARD	1.70	1.05	17-0067.2	Private	Credit Purchase	0.00	76.19478473	36.87753543	No	11/14/2018	Active	CB26
Lake Wright Properties Redevelopment	6280	NORTHAMPTON BOULEVARD	1.70	1.05	17-0067.1	Private	Credit Purchase	0.00	76.19478473	36.87753543	No	11/14/2018	Active	CB26
3 SFR Columbia Avenue	1636	COLUMBIA AVENUE	0.35	0.16	17-0068.2	Private	Detention Basin	0.12	76.2658199	36.88156466	Yes	8/15/2019	Active	JL56
3 SFR Columbia Avenue	1636	COLUMBIA AVENUE	0.35	0.16	17-0068.3	Private	Detention Basin	0.12	76.26577874	36.88156828	Yes	6/14/2019	Active	JL56
3 SFR Columbia Avenue	1636	COLUMBIA AVENUE	0.35	0.16	17-0068.1	Private	Credit Purchase	0.00	76.26577874	36.88156828	Yes	12/4/2017	Active	JL56
Home 2 Suites	5620	E PRINCESS ANNE ROAD	2.13	1.51	17-0069.2	Private	Credit Purchase	0.00	76.21142537	36.87558619	No	10/22/2019	Active	JL54
Home 2 Suites	5620	E PRINCESS ANNE ROAD	2.13	1.51	17-0069.1	Private	Manufactured Treatment Device	1.51	76.21142537	36.87558619	Yes	7/15/2021	Active	JL54
8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	0.43	0.13	17-0072.1	Private	Bioretention 2	0.06	76.24453596	36.93707097	Yes	3/14/2019	Active	JL57
8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	0.43	0.13	17-0072.2	Private	Bioretention 2	0.06	76.24453596	36.93707097	Yes	11/27/2018	Active	JL57
8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	0.43	0.13	17-0072.3	Private	Bioretention 2	0.06	76.24453596	36.93707097	Yes	2/13/2019	Active	JL57
ARTFX Building Addition	3801	E PRINCESS ANNE ROAD	6.84	5.45	17-0073.2	Private	Wet Swale 1	1.01	76.23823894	36.86512891	Yes	2/18/2021	Active	JL54
ARTFX Building Addition	3801	E PRINCESS ANNE ROAD	6.84	5.45	17-0073.1	Private	Bioretention 1	3.12	76.23823894	36.86512891	Yes	2/18/2021	Active	JL54
9544 14th Bay Street Duplex	9544	14TH BAY STREET	0.21	0.12	17-0074.1	Private	Cisterns and Rain Barrels	0.07	76.20165343	36.92904094	Yes	10/22/2018	Active	CB26
1009 W. Ocean View Duplex	1009	W OCEAN VIEW AVENUE	0.17	0.11	17-0076.3	Private	Credit Purchase	0.00	76.27858131	36.96661394	Yes	3/30/2018	Active	JL57
1009 W. Ocean View Duplex	1009	W OCEAN VIEW AVENUE	0.17	0.11	17-0076.2	Private	Infiltration Practices	0.09	76.27858131	36.96661394	Yes	4/7/2021	Active	JL57
1009 W. Ocean View Duplex	1009	W OCEAN VIEW AVENUE	0.17	0.11	17-0076.1	Private	Infiltration Practices	0.06	76.27858131	36.96661394	Yes	4/7/2021	Active	JL57
Didlake Expansion	8131	SHORE DRIVE	0.91	0.63	17-0077.1	Private	Wet Swale 1	0.47	76.1926561	36.92224974	Yes	1/18/2019	Active	CB26
Didlake Expansion	8131	SHORE DRIVE	0.91	0.63	17-0077.2	Private	Wet Swale 1	0.32	76.1926561	36.92224974	Yes	1/18/2019	Active	CB26
Salvation Army Parking Lot	5525	RABY ROAD	5.79	2.28	17-0080.2	Private	Credit Purchase	0.00	76.21833695	36.85682608	No	5/30/2019	Active	JL54
Salvation Army Parking Lot	5525	RABY ROAD	5.79	2.28	17-0080.1	Private	Wet Pond 1	3.32	76.21833695	36.85682608	Yes	5/30/2019	Active	JL54
13th Bay Street Duplex	9538	13TH BAY STREET	0.20	0.11	17-0081.1	Private	Credit Purchase	0.00	76.20285476	36.92931252	No	11/6/2018	Active	CB26
7th Bay St. Duplex	9565	7TH BAY STREET	0.17	0.10	17-0083.1	Private	Credit Purchase	0.00	76.20990367	36.93182169	No	5/4/2018	Active	CB26
Old Ocean View Village Subdivision	8808	Old Ocean View Road	3.99	1.70	17-0089.2	Private	Credit Purchase	0.00	76.25010371	36.93799251	Yes	12/23/2020	Active	JL57
Moores Bridges WTP Chemical Feed System	6040	WATER WORKS ROAD	36.89	5.34	17-0090.2	Public	Detention Basin	5.00	76.20209335	36.87276562	No	3/4/2021	Active	CB26
Moores Bridges WTP Chemical Feed System	6040	WATER WORKS ROAD	36.89	5.34	17-0090.1	Public	Manufactured Treatment Device	5.00	76.20195378	36.87279396	No	3/4/2021	Active	CB26
Duel Duplex site plan for DSF Development LLC	1010-1012	LITTLE BAY AVENUE	0.44	0.24	17-0092.1	Private	Credit Purchase	0.00	76.27872783	36.96615765	Yes	4/16/2018	Active	JL57
1600 E. Little Creek Rd-Aldi	1600	E LITTLE CREEK ROAD	3.97	2.15	17-0093.2	Private	Credit Purchase	0.00	76.23094078	36.91728049	Yes	11/18/2019	Active	CB26
Norfolk Botanical Gardens Admin Bldg Parking	6700	AZALEA GARDEN ROAD	0.79	0.41	17-0095.1	Public	Permeable Pavement 1	0.10	76.19856317	36.90360807	No	12/8/2021	Active	CB26
Norfolk Botanical Gardens Admin Bldg Parking	6700	AZALEA GARDEN ROAD	0.79	0.41	17-0095.2	Public	Sheetflow to Conserved Open Space	0.20	76.19844472	36.90359681	No	12/8/2021	Active	CB26
Retreat at Harbor Pointe	350	CAMPOSTELLA ROAD	8.52	6.79	18-0000.1	Private	Credit Purchase	0.00	76.26280946	36.83696748	No	12/21/2018	Active	JL54
General Aviation CBP Facility	6101	BURTON STATION ROAD	1.51	0.63	18-0002.1	Private	Credit Purchase	0.00	76.19946042	36.88643143	No	7/30/2018	Active	CB26
North Shore Gardens Fitness Center	1400	MEADS ROAD	0.37	0.35	18-0003.3	Private	Credit Purchase	0.00	76.29806535	36.91792613	No	4/8/2019	Active	JL57
North Shore Gardens Fitness Center	1400	MEADS ROAD	0.37	0.35	18-0003.2	Private	Permeable Pavement 1	0.05	76.29806535	36.91792613	Yes	4/8/2019	Active	JL57
North Shore Gardens Fitness Center	1400	MEADS ROAD	0.37	0.35	18-0003.1	Private	Permeable Pavement 1	0.02	76.29806535	36.91792613	Yes	4/8/2019	Active	JL57
OLD DOMINION PEANUT- ADAPTIVE REUSE	201	W 25th Street	2.53	0.89	18-0005.1	Private	Credit Purchase	0.00	76.28556581	36.87052706	Yes	6/13/2018	Active	JL56
EVMS Ed. & Admin. Bldg	315	COLLEY AVENUE	2.39	1.54	18-0006.1	Private	Bioretention 1	0.54	76.30232548	36.85934195	Yes	4/8/2021	Active	JL56
Wawa at Newtown	701	N NEWTOWN ROAD	2.58	2.03	18-0008.3	Private	Credit Purchase	0.00	76.18053448	36.84898218	No	12/11/2019	Active	JL54
Wawa at Newtown	701	N NEWTOWN ROAD	2.58	2.03	18-0008.2	Private	Manufactured Treatment Device	0.19	76.18041925	36.84912109	Yes	12/11/2019	Active	JL54
Wawa at Newtown	701	N NEWTOWN ROAD	2.58	2.03	18-0008.1	Private	Manufactured Treatment Device	0.83	76.18049658	36.84894041	Yes	12/11/2019	Active	JL54
1718 EOV Duplex	1718	E OCEAN VIEW AVENUE	0.23	0.11	18-0009.1	Private	Bioretention 2	0.10	76.22655523	36.93987183	Yes	10/10/2019	Active	CB26
1718 EOV Duplex	1718	E OCEAN VIEW AVENUE	0.23	0.11	18-0009.2	Private	Detention Basin	0.10	76.22655523	36.93987183	Yes	10/10/2019	Active	CB26

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
1718 EOV Duplex	1718	E OCEAN VIEW AVENUE	0.23	0.11	18-0009.3	Private	Credit Purchase	0.00	76.22655523	36.93987183	No	10/10/2019	Active	CB26
VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	1.57	1.40	18-0010.3	Public	Credit Purchase	0.00	76.1809881	36.85509976	No	12/12/2018	Active	JL54
VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	1.57	1.40	18-0010.2	Public	Manufactured Treatment Device	0.25	76.1809881	36.85509976	No	3/1/2022	Active	JL54
VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	1.57	1.40	18-0010.1	Public	Manufactured Treatment Device	0.50	76.1809881	36.85509976	No	3/1/2022	Active	JL54
Priority Ford	3340	N MILITARY HIGHWAY	5.71	5.20	18-0013.1	Private	Manufactured Treatment Device	2.58	76.21699125	36.88672178	Yes	6/1/2020	Active	CB26
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.1	Private	Bioretention 2	0.14	76.24178417	36.94666481	Yes	9/17/2019	Active	CB26
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.2	Private	Bioretention 2	0.12	76.24186577	36.94671837	Yes	9/17/2019	Active	CB26
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.3	Private	Bioretention 2	0.12	76.24185309	36.94640857	Yes	9/17/2019	Active	CB26
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.4	Private	Bioretention 2	0.14	76.24175156	36.9466172	Yes	9/17/2019	Active	CB26
941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	0.59	0.27	18-0014.5	Private	Credit Purchase	0.00	76.24175288	36.94633122	No	1/23/2019	Active	CB26
Pinewell Station Apartments	719	E OCEAN VIEW AVENUE	6.72	3.50	18-0019.1	Private	Manufactured Treatment Device	1.59	76.24554454	36.94893666	Yes	1/8/2021	Active	CB26
Pinewell Station Apartments	719	E OCEAN VIEW AVENUE	6.72	3.50	18-0019.2	Private	Credit Purchase	0.00	76.24526808	36.94886077	No	1/8/2021	Active	CB26
Pinewell Station Apartments	719	E OCEAN VIEW AVENUE	6.72	3.5	18-0019.3	Private	Manufactured Treatment Device	1.59	76.24522013	36.9489494	No	1/8/2021	Active	CB26
829-831 Little Bay Ave Duplex	829	LITTLE BAY AVENUE	0.35	0.14	18-0020.2	Private	Infiltration 2	0.23	76.27445958	36.96410295	Yes	7/20/2021	Active	JL57
829-831 Little Bay Ave Duplex	829	LITTLE BAY AVENUE	0.35	0.14	18-0020.1	Private	Detention Basin	0.07	76.27445958	36.96410295	Yes	7/20/2021	Active	JL57
Lake Taylor HS Storm Drain and Road Repairs	1384	KEMPSVILLE ROAD	0.78	0.33	18-0022.1	School	Manufactured Treatment Device	0.02	76.19813216	36.87058641	No	10/12/2021	Active	JL54
Lake Taylor HS Storm Drain and Road Repairs	1384	KEMPSVILLE ROAD	0.78	0.33	18-0022.2	School	Manufactured Treatment Device	0.06	76.19813216	36.87058641	No	10/12/2021	Active	JL54
9560 10th Bay St-Duplex	9560	10TH BAY STREET	0.19	0.09	18-0025.1	Private	Infiltration 1	0.07	76.20600343	36.93097094	No	2/11/2021	Active	CB26
1101 E Leicester Avenue-3 lot SF subdivision	1101	E LEICESTER AVENUE	0.85	0.18	18-0029.2	Private	Rooftop or Impervious Surface Disconnect	0.05	76.24343155	36.94179465	Yes	6/8/2020	Active	CB26
1101 E Leicester Avenue-3 lot SF subdivision	1101	East Leicester Ave	0.85	0.18	18-0029.7	Private	Credit Purchase	0.00	76.2433062	36.94183583	Yes	5/30/2019	Active	CB26
1101 E Leicester Avenue-3 lot SF subdivision	1101	E Leicester Ave	0.85	0.18	18-0029.1	Private	Rooftop or Impervious Surface Disconnect	0.05	76.24337041	36.94180231	Yes	6/8/2020	Active	CB26
1101 E Leicester Avenue-3 lot SF subdivision	1101	E Leicester Ave	0.85	0.18	18-0029.3	Private	Rooftop or Impervious Surface Disconnect	0.05	76.24331583	36.94179935	Yes	6/8/2020	Active	CB26
1101 E Leicester Avenue-3 lot SF subdivision	1101	E Leicester Ave	0.85	0.18	18-0029.4	Private	Rooftop or Impervious Surface Disconnect	0.06	76.24313478	36.94181305	Yes	6/8/2020	Active	CB26
1101 E Leicester Avenue-3 lot SF subdivision	1101	E Leicester Ave	0.85	0.18	18-0029.5	Private	Rooftop or Impervious Surface Disconnect	0.05	76.24320401	36.94180293	Yes	6/8/2020	Active	CB26
1101 E Leicester Avenue-3 lot SF subdivision	1101	E Leicester Ave	0.85	0.18	18-0029.6	Private	Rooftop or Impervious Surface Disconnect	0.05	76.24326351	36.94180025	Yes	6/8/2020	Active	CB26
Granby St and Bayview Blvd Intersection	105	W BAYVIEW BOULEVARD	0.13	0.08	18-0031.1	Public	Credit Purchase	0.00	76.26434958	36.9337531	No	10/18/2018	Active	JL57
Mt Gilead Church parking addition	1057	Kennedy Street	0.80	0.61	18-0032.3	Private	Manufactured Treatment Device	0.80	76.24258174	36.90565817	Yes	5/3/2021	Active	JL56
Mt Gilead Church parking addition	1057	Kennedy Street	0.80	0.61	18-0032.2	Private	Manufactured Treatment Device	0.80	76.24252039	36.90558659	Yes	5/3/2021	Active	JL56
Mt Gilead Church parking addition	1057	Kennedy Street	0.80	0.61	18-0032.1	Private	Credit Purchase	0.00	76.24252039	36.90558659	Yes	12/14/2018	Active	JL56
Maker's Craft Brewery	735	E 23RD STREET	1.32	0.78	18-0034.1	Private	Credit Purchase	0.00	76.27863213	36.86832392	No	10/12/2018	Active	JL56
Chenman Project	629	W 24TH STREET	1.01	0.90	18-0036.1	Private	Credit Purchase	0.00	76.29370764	36.87258575	No	10/24/2018	Active	JL56
VAMAC	5846	CURLEW DRIVE	0.63	0.38	18-0039.1	Private	Dry Swale 2	0.33	76.20491251	36.84222867	Yes	12/11/2019	Active	JL54
Pretty Lake Apartments & Yacht Club	4521-4621	Pretty Lake Ave	6.96	3.28	18-0043.6	Private	Credit Purchase	0.00	76.18864038	36.92535293	Yes	1/20/2021	Active	CB26
Reeves Avenue Substation Improvement Phase II	1724	LOVITT AVENUE	10.50	6.90	18-0044.1	Private	Credit Purchase	0.00	76.27325262	36.84198004	Yes	8/6/2018	Active	JL56
Colley Avenue Self Storage	2300	COLLEY AVENUE	1.70	1.28	18-0048.1	Private	Infiltration Practices	1.27	76.29521891	36.87240096	Yes	8/6/2020	Active	JL56
Kempsville Behavioral Health Additions	860	KEMPSVILLE ROAD	0.93	0.37	18-0049.2	Private	Detention Basin	0.10	76.18975959	36.85301155	Yes	1/7/2021	Active	JL54
Kempsville Behavioral Health Additions	860	KEMPSVILLE ROAD	0.93	0.37	18-0049.1	Private	Bioretention 2	0.46	76.18975959	36.85301155	Yes	1/7/2021	Active	JL54
Telecommunications Tower	1539	JOHNSTONS ROAD	0.06	0.05	18-0051.1	Private	Credit Purchase	0.00	76.23202227	36.90925246	No	9/30/2018	Active	CB26
City Hall North Garage Replacement	100	East Street	1.73	1.12	18-0056.1	Public	Permeable Pavement 1	0.31	76.28333792	36.84433649	No	6/12/2020	Active	JL54
Pecan point Subdivision		Pecan Point Road	8.12	3.14	18-0058.1	Private	Credit Purchase	0.00	76.22342122	36.85250002	Yes	11/8/2018	Active	JL54
Dollar General	3350	CHESAPEAKE BOULEVARD	0.93	0.66	18-0059.1	Private	Credit Purchase	0.00	76.24967306	36.87820056	No	12/18/2018	Active	JL56
River Tower at Harbor's Edge	1	COLLEY AVENUE	3.95	2.68	18-0061.2	Private	Permeable Pavement 1	0.09	76.30520568	36.85648214	Yes	1/14/2022	Active	JL54
River Tower at Harbor's Edge	1	COLLEY AVENUE	3.95	2.68	18-0061.3	Private	Credit Purchase	0.00	76.30517662	36.85658891	Yes	1/2/2019	Active	JL54
River Tower at Harbor's Edge	1	COLLEY AVENUE	3.95	2.68	18-0061.1	Private	Permeable Pavement 1	0.16	76.3049952	36.85657658	Yes	1/14/2022	Active	JL54
Moores Bridges WTP Alternate Entrance	6040	WATER WORKS ROAD	36.90	0.09	18-0062.1	Public	Credit Offset	0.00	76.20171512	36.87246345	Yes	2/12/2020	Active	CB26
Lyon Shipyard Building Addition	1818	BROWN AVENUE	0.95	0.95	18-0064.1	Private	Manufactured Treatment Device	0.30	76.27141403	36.84205624	Yes	9/9/2020	Active	JL54
20 Rivanna Building Canopy & Drive Aisle	6315	NORTH CENTER DRIVE	0.18	0.12	18-0066.1	Private	Permeable Pavement 1	0.08	76.19052994	36.84747277	Yes	5/2/2019	Active	JL54
Azalea Garden Place	2686	Azalea Garden Rd	3.52	2.43	18-0068.1	Private	Credit Purchase	0	76.22644904	36.87846372	No	4/14/2019	Active	JL56
Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	12.90	10.73	18-0069.2	Private	Manufactured Treatment Device	2.30	76.19282246	36.85448703	Yes	10/27/2021	Active	JL54
Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	12.90	10.73	18-0069.3	Private	Manufactured Treatment Device	1.27	76.19282246	36.85448703	Yes	10/27/2021	Active	JL54
Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	12.90	10.73	18-0069.1	Private	Manufactured Treatment Device	2.14	76.19282246	36.85448703	Yes	10/27/2021	Active	JL54
Parker Ave. Drainage Improvements	1455	38TH STREET	2.88	2.02	18-0073.1	Public	Manufactured Treatment Device	2.88	76.30980287	36.87922885	No	5/13/2021	Active	JL56
Newport Avenue Drainage Improvements		Newport Ave & Oxford St	0.14	0.05	18-0075.1	Public	Credit Offset	0.00	76.2805501	36.907026	Yes	6/10/2020	Active	JL56
Sentara Norfolk parking expansion	600	Gresham Drive	0.68	0.51	18-0076.7	Private	Permeable Pavement	0.32	76.30316131	36.86203358	Yes	12/3/2019	Active	JL56
Sentara Norfolk parking expansion	600	Gresham Drive	0.68	0.51	18-0076.8	Private	Credit Offset	0.00	76.30316148	36.86197635	Yes	6/19/2019	Active	JL56
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	0.68	0.51	18-0076.6	Private	Permeable Pavement 2	0.11	76.30335277	36.86203239	Yes	12/3/2019	Active	JL56
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	0.68	0.51	18-0076.5	Private	Permeable Pavement 1	0.03	76.30326385	36.86202834	Yes	12/3/2019	Active	JL56
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	0.68	0.51	18-0076.4	Private	Permeable Pavement 1	0.02	76.30341376	36.86202757	Yes	12/3/2019	Active	JL56
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	0.68	0.51	18-0076.3	Private	Permeable Pavement 1	0.01	76.3033365	36.86197962	Yes	12/3/2019	Active	JL56
Sentara Norfolk parking expansion	600	GRESHAM DRIVE	0.68	0.51	18-0076.1	Private	Permeable Pavement 2	0.00	76.30325789	36.86197815	Yes	12/3/2019	Active	JL56
Rock Gym	7405	SEWELLS POINT ROAD	1.02	0.72	18-0077.1	Private	Credit Purchase	0.00	76.24634025	36.91023662	No	2/8/2019	Active	JL56
5764 E Virginia Beach Blvd-Discount Tire	5764	E VIRGINIA BEACH BOULEVARD	1.08	0.83	18-0080.2	Private	Manufactured Treatment Device	0.00	76.20748241	36.8561825	Yes	6/9/2020	Active	JL54
5764 E Virginia Beach Blvd-Discount Tire	5764	E VIRGINIA BEACH BOULEVARD	1.08	0.83	18-0080.1	Private	Wet Pond 1	0.08	76.20748241	36.8561825	Yes	6/9/2020	Active	JL54
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.12	Private	Permeable Pavement 1	0.03	76.1917052	36.9230966	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.14	Private	Permeable Pavement 1	0.11	76.19157974	36.92331474	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.5	Private	Manufactured Treatment Device	0.14	76.19135927	36.92317775	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.63	18-0085.4	Private	Credit Purchase	0.00	76.19183402	36.9227071	Yes	11/3/2017	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.15	Private	Permeable Pavement 1	0.09	76.19140728	36.92329533	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.11	Private	Permeable Pavement 1	0.03	76.19147519	36.92301643	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.9	Private	Permeable Pavement 1	0.07	76.19157026	36.92257709	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.10	Private	Permeable Pavement 1	0.12	76.19165323	36.92290068	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.16	Private	Permeable Pavement 1	0.03	76.19131026	36.92221425	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.2	Private	Permeable Pavement 1	0.03	76.19121786	36.92220051	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.1	Private	Permeable Pavement 1	0.06	76.19109576	36.92218618	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.6	Private	Manufactured Treatment Device	0.14	76.1915013	36.92252506	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.7	Private	Manufactured Treatment Device	0.20	76.19147295	36.92311441	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.8	Private	Manufactured Treatment Device	0.14	76.19147195	36.9231473	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.3	Private	Manufactured Treatment Device	0.20	76.19140405	36.92309445	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.17	Private	Permeable Pavement 1	0.05	76.19175575	36.92252874	Yes	6/1/2020	Active	CB26
Villa Marina Apartments	8142	Shore Drive	2.81	2.37	18-0085.13	Private	Permeable Pavement 1	0.02	76.19165623	36.92320697	Yes	6/1/2020	Active	CB26
Southside Library	2300	BERKLEY AVENUE EX	2.43	1.37	18-0087.2	Public	Bioretention 1	0.00	76.25999557	36.82278723	No	8/17/2021	Active	JL54
Southside Library	2300	BERKLEY AVENUE EX	2.43	1.37	18-0087.1	Public	Bioretention 1	1.26	76.25999557	36.82278723	No	8/17/2021	Active	JL54
1050 N Military HWY-Aldi	1050	N MILITARY HIGHWAY	2.25	1.66	18-0092.1	Private	Manufactured Treatment Device	1.10	76.20899435	36.85830691	Yes	12/16/2019	Active	JL56
BAYLOR PARKING	118	W 26th Street	1.08	1.00	18-0093.1	Private	Manufactured Treatment Device	0.21	76.28475397	36.87108524	Yes	5/14/2021	Active	JL56
Christ & St Luke's Church-Outdoor Improvements	560	W OLNEY ROAD	0.52	0.26	18-0095.2	Private	Credit Purchase	0.00	76.29786282	36.8596832	Yes	11/22/2019	Active	JL54
Emergency Department Expansion	830	Kempsville Road	23.80	8.50	18-0097.1	Private	Credit Offset	0.00	76.19021534	36.85002808	No	2/5/2020	Active	JL54
SF DEMO & PARKING LOT	4311	Colley Ave	0.45	0.12	18-0100.1	Private	Permeable Pavement 1	0.06	76.29578586	36.88411533	Yes	2/1/2022	Active	JL56
SF DEMO & PARKING LOT	4311	Colley Ave	0.45	0.12	18-0100.2	Private	Permeable Pavement 1	0.06	76.29568223	36.88412626	Yes	2/1/2022	Active	JL56
847-925 Ingleside Road Stormwater Retrofits	847-925	INGLESIDE ROAD	0.80	0.00	18-0101.1	Private	Compost Amendment	0.87	76.23516495	36.84642762	No	5/11/2021	Active	JL54

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
847-925 Ingleside Road Stormwater Retrofits	847-925	INGLESIDE ROAD	0.80	0.00	18-0101.4	Public	Other Retrofit- Runoff Reduction	0.87	76.23470402	36.84681317	No	5/11/2021	Active	JL54
847-925 Ingleside Road Stormwater Retrofits	847-925	INGLESIDE ROAD	0.80	0.00	18-0101.2	Public	Other Retrofit- Runoff Reduction	0.87	76.23470402	36.84681317	No	5/11/2021	Active	JL54
847-925 Ingleside Road Stormwater Retrofits	847-925	INGLESIDE ROAD	0.80	0.00	18-0101.3	Public	Vegetated Filter Strip	0.87	76.23470402	36.84681317	No	5/11/2021	Active	JL54
Aspire at East Beach Senior Housing	4801	PRETTY LAKE AVENUE	5.26	4.01	18-0102.1	Private	Manufactured Treatment Device	1.71	76.18537009	36.92426533	Yes	6/2/2022	Active	CB26
4605-4625 E PRINCESS ANNE STORMWATER RETROFIT	4625	E. Princess Anne Road	0.58	2.16	18-0103.3	Private	Other Retrofit- Runoff Reduction	0.15	76.23127117	36.86635197	No	5/26/2020	Active	JL54
4605-4625 E PRINCESS ANNE STORMWATER RETROFIT	4625	E. Princess Anne Road	0.58	2.16	18-0103.1	Public	Other Retrofit- Runoff Reduction	2.66	76.23138557	36.86693323	No	5/26/2020	Active	JL54
4605-4625 E PRINCESS ANNE STORMWATER RETROFIT	4605	E. Princess Anne Road	0.58	2.16	18-0103.2	Public	Other Retrofit- Runoff Reduction	0.57	76.23181616	36.86686714	No	5/26/2020	Active	JL54
E Princess Anne Road-Tidewater Tech parking	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.4	Private	Credit Purchase	0.00	76.23423734	36.86645727	Yes	4/12/2019	Active	JL54
E Princess Anne Road-Tidewater Tech parking	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.3	Private	Credit Purchase	0.00	76.23421105	36.86642499	Yes	4/23/2019	Active	JL54
E Princess Anne Road-Tidewater Tech parking	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.2	Private	Manufactured Treatment Device	0.00	76.23421105	36.86642499	Yes	10/15/2019	Active	JL54
E Princess Anne Road-Tidewater Tech parking	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.1	Private	Manufactured Treatment Device	1.03	76.234949	36.86562787	Yes	10/15/2019	Active	JL54
Combined Operations Facility Improvements	1316	BALLENTINE BOULEVARD	1.04	0.89	19-0001.1	Public	Manufactured Treatment Device	0.03	76.24862119	36.85735946	Yes	1/15/2021	Active	JL56
Mil-Spec Abrasives	3306	PETERSON STREET	10.81	6.85	19-0004.1	Private	Wet Pond 1	6.11	76.24955278	36.87212515	Yes	11/16/2020	Active	JL56
Mil-Spec Abrasives	3306	PETERSON STREET	10.81	6.85	19-0004.2	Private	Compost Amendment	0.42	76.24968335	36.87212646	Yes	11/16/2020	Active	JL56
WNOR Tower Replacement	600	E INDIAN RIVER ROAD	6.67	0.06	19-0006.1	Private	Credit Purchase	0.00	76.27063246	36.83309418	Yes	6/7/2019	Active	JL54
Restaurant at Bay Point Marina	9500	30th Bay Street	1.52	1.24	19-0016.1	Private	Manufactured BMP Systems	0.77	76.1812449	36.92370418	Yes	9/8/2020	Active	CB26
Tidewater Oaks Apartments	5416	Tidewater Drive	0.82	0.62	19-0022.2	Private	Credit Purchase	0.00	76.25924474	36.88726821	Yes	10/22/2019	Active	JL56
CHKD Medical Tower II	400	GRESHAM DRIVE	2.57	1.53	19-0028.2	Private	Bioretention	0.20	76.30467409	36.86090341	Yes	6/22/2022	Active	JL56
CHKD Medical Tower II	400	GRESHAM DRIVE	2.57	1.53	19-0028.1	Private	Detention Basin	0.48	76.30447987	36.86084612	Yes	6/22/2022	Active	JL56
2330 Bowdens Ferry Road-IP Configuration	2330	BOWDENS FERRY ROAD	4.47	2.12	19-0035.1	Private	Credit Purchase	0.00	76.30446263	36.87564932	Yes	11/8/2019	Active	JL56
AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	10.34	6.44	19-0042.1	Private	Wet Pond 1	10.10	76.21802123	36.91398395	No	8/31/2021	Active	CB26
AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	10.34	6.44	19-0042.4	Private	Manufactured Treatment Device	1.20	76.21778468	36.91442308	No	8/31/2021	Active	CB26
AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	10.34	6.44	19-0042.3	Private	Manufactured Treatment Device	0.27	76.21820152	36.91453121	No	8/31/2021	Active	CB26
AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	10.34	6.44	19-0042.2	Private	Manufactured Treatment Device	0.50	76.21819989	36.91450638	No	8/31/2021	Active	CB26
Roadway Improvements - E VB Blvd 6200 Block	6200-	block E. Virginia Beach Blvd	0.30	0.30	19-0044.1	Private	Credit Offset	0	76.177757	36.85727	No	10/3/2019	Active	JL54
Ocean View Peir Cottages and Thirsty Camel	394	W Ocean View Ave	3.36	2.47	19-0045.11	Private	Credit Purchase	0.00	76.25992475	36.95961748	No	5/28/2020	Active	CB26
Artfx Parking Lot Addition	3801	E. Princess Anne Rd.	7.22	5.70	19-0049.1	Private	Bioretention 1	3.26	76.23753596	36.86378244	Yes	2/18/2021	Active	JL54
Harbors edge parking lot	1	Colley Ave	0.48	0.33	19-0058.1	Private	Permeable Pavement 1	0.10	76.30429413	36.85596956	Yes	1/11/2022	Active	JL56
Harbors edge parking lot	1	Colley Ave	0.48	0.33	19-0058.2	Private	Permeable Pavement 1	0.15	76.30402097	36.85622011	Yes	1/11/2022	Active	JL56
Harbors edge parking lot	1	Colley Ave	0.48	0.33	19-0058.3	Private	Permeable Pavement 1	0.17	76.30418735	36.85613164	Yes	1/11/2022	Active	JL56
Harbors edge parking lot	1	Colley Ave	0.48	0.33	19-0058.4	Private	Permeable Pavement 1	0.11	76.30424182	36.85605444	Yes	1/11/2022	Active	JL56
The Lofts at Front Street	533	Front Street	0.98	0.21	19-0061.2	Private	Credit Purchase	0.00	76.30119699	36.85432624	Yes	2/27/2020	Active	JL56
West 38th Street Apartments	1045	38TH STREET	2.21	1.72	19-0071.2	Private	Credit Purchase	0.00	76.30043489	36.87955871	Yes	12/22/2019	Active	JL56
Intersection Improve.-Kempsville Rd, Poplar Hall		Kempsville Road at Poplar Hall Drive	5.77	0.13	19-0078.1	Private	Credit Offset	0.00	76.19370907	36.86396573	No	1/10/2020	Active	JL54
Community Beach Basketball Court	700	E OCEAN VIEW AVENUE	5.77	0.13	19-0079.1	Public	Credit Offset	0.00	76.24452434	36.95028513	Yes	2/4/2020	Active	CB26
Norfolk Fire Training Facility	115	Thole Street	0.72	0.51	19-0082.1	Public	Compost Amendment	0.00	76.27501075	76.27501075	No	3/30/2022	Active	JL56
Norfolk Fire Training Facility	115	Thole Street	0.72	0.50	19-0082.2	Public	Credit Purchase	0.00	76.27507525	76.27507525	Yes	7/10/2020	Active	JL56
STUART SCHOOL APARTMENTS	435	Virginia Ave	3.13	1.05	19-0086.1	Private	Permeable Pavement	0.08	76.28580117	36.88124146	Yes	8/16/2021	Active	JL56
RICK HENDERICK CADILLAC	6200	E Virginia Beach Blvd	5.66	2.11	19-0092.1	Private	Credit Purchase	0.00	76.19386397	36.85555358	Yes	6/12/2020	Active	JL54
ASPIRE AT EAST BEACH SENIOR HOUSING PHASE II	4801	PRETTY LAKE AVENUE	13.46	4.27	19-0093.2	Private	Credit Purchase	0.00	76.18504026	36.9241229	Yes	5/22/2020	Active	CB26
Trinity Presbyterian Church	1600	Colonial Ave	0.94	0.78	20-0003.2	Private	Credit Purchase	0.00	76.29248466	36.86713983	Yes	4/27/2020	Active	JL56
Trinity Presbyterian Church	1600	Colonial Avenue	0.94	0.78	20-0003.1	Private	Detention Basin	0.00	76.29245698	36.86723423	Yes	3/4/2022	Active	JL56
RABY ROAD SIDEWALK IMPROVEMENTS		Raby Road	0.13	0.10	20-0005.1	Public	Credit Offset	0.00	76.21649927	36.86000328	No	6/5/2020	Active	JL54
SHOREWOOD COVE- BUILDING ADDITION	295	Corporate Blvd	7.03	0.02	20-0018.1	Private	Infiltration Practices	0.61	76.21205093	36.83407056	Yes	5/17/2021	Active	JL56
Frank Spicer Building Parking Lot	119	E Princess Anne Road	0.44	0.37	20-0026.3	Private	Credit Purchase	0.00	76.28727653	36.86033306	Yes	11/17/2020	Active	JL56
Lake Taylor Middle sSchool-Parking Lot & Access Dr	1380	Kempsville Road	2.98	2.47	20-0029.1	Public	Credit Purchase	0.00	76.20150757	36.86967719	Yes	9/10/2020	Active	JL54
1400 Sewells Point Rd- Site Improvement	1400	Sewells Point	8.27	5.84	20-0037.3	Private	Manufactured Treatment Device	2.91	76.22801598	36.86820885	Yes	6/8/2021	Active	JL54
1400 Sewells Point Rd- Site Improvement	1400	Sewells Point Road	8.27	5.84	20-0037.4	Private	Manufactured Treatment Device	1.61	76.22825151	36.86802559	Yes	6/8/2021	Active	JL54
1400 Sewells Point Rd- Site Improvement	1400	Sewells Point Road	8.27	5.84	20-0037.5	Private	Credit Purchase	0.00	76.22854106	36.86789704	No	7/20/2020	Active	JL54
1400 Sewells Point Rd- Site Improvement	1400	Sewells Point Road	8.27	5.84	20-0037.1	Private	Manufactured Treatment Device	2.94	76.22750972	36.86811784	Yes	6/8/2021	Active	JL54
1400 Sewells Point Rd- Site Improvement	1400	Sewells Point Road	8.27	5.84	20-0037.2	Private	Manufactured Treatment Device	1.58	76.22736655	36.86784903	Yes	6/8/2021	Active	JL54
Poplar Hall & Va Beach Blvd Sidewalk Improvments		Virginia Beach Blvd	0.34	0.24	20-0043.1	Public	Credit Offset	0.00	76.20468695	36.85571331	No	9/1/2020	Active	JL54
Poplar Hall & Va Beach Blvd Sidewalk Improvments		Poplar Hall Drive	0.34	0.24	20-0043.2	Public	Credit Offset	0.00	76.20280504	36.85437809	No	9/1/2020	Active	JL54
E. Water Street Open Space	1119	E Water Street	1.84	0.91	20-0049.3	Public	Bioretention 1	0.17	76.28173175	36.84198788	No	3/4/2022	Active	JL54
E. Water Street Open Space	1125	E Water Street	1.84	0.91	20-0049.2	Public	Bioretention 1	0.10	76.28219439	36.84214866	No	3/4/2022	Active	JL54
E. Water Street Open Space	1155	E Water Street	1.84	0.91	20-0049.1	Public	Bioretention 1	0.42	76.28285946	36.84223574	No	3/4/2022	Active	JL54
East Bay Landing - ROW Improvements	8180	Shore Drive	0.45	0.28	20-0054.1	Private	Credit Purchase	0.00	76.19157956	36.92445367	No	7/26/2021	Active	CB26
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.1	Private	Credit Purchase	0.00	76.25582379	36.90995563	Yes	1/27/2021	Active	JL56
Tabet Manufacturing	1344	Ballentine Blvd	3.84	2.91	20-0063.1	Private	Cisterns and Rain Barrels	0.31	76.24882888	36.859002994	Yes	3/29/2022	Active	JL54
Building E - 2nd Bay Development	9620	2nd Bay	0.69	0.32	20-0066.8	Private	Credit Purchase	0.00	76.21450485	36.93450877	Yes	8/5/2021	Active	CB26
1855 CHURCH STREET MIXED USE DEVELOPMENT	1855	Church Street	0.39	0.34	20-0069.2	Private	Credit Purchase	0.00	76.27932969	36.86614622	No	4/12/2021	Active	JL56
East Beach Phase 7 South Subdivision	4347	Pleasant Ave	3.68	0.56	20-0073.1	Private	Permeable Pavement	0.07	12158085.9812233	3505604.17526832	Yes	9/13/2021	Active	CB26
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.3	Private	Permeable Pavement 1	0.13	76.21215476	36.83845466	Yes	10/21/2021	Active	JL54
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.2	Private	Permeable Pavement 1	0.17	76.21253361	36.83868264	Yes	10/21/2021	Active	JL54
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.1	Private	Permeable Pavement 1	0.25	76.21291437	36.8384784	Yes	10/21/2021	Active	JL54
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.4	Private	Other Retrofit- Runoff Reduction	0.55	76.21258658	36.83815601	Yes	10/21/2021	Active	JL54
VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	5.19	3.49	20-0075.5	Private	Credit Purchase	0.00	76.21208521	36.83879315	Yes	11/17/2020	Active	JL54
OASIS WATERLINE	4521	and 4621 Pretty Lake Ave	0.07	0.06	20-0078.1	Private	Credit Offset	0.00	76.18850232	36.92534821	No	1/20/2021	Active	CB26
Building 7 Expansion at Colonna's Shipyard	400	E. Indian River Road	0.86	0.49	20-0084.1	Private	Credit Purchase	0.00	76.27476848	36.83585324	Yes	2/16/2021	Active	JL53
9542 17th Bay Street Lots 13 & 14	2542	17th Bay Street	0.20	0.18	20-0085.4	Private	Credit Purchase	0.00	76.19792471	36.92841649	Yes	4/7/2021	Active	CB26
The Edge at Azalea Garden	2686	Azalea Garden Road	3.52	2.49	20-0088.2	Private	Credit Purchase	0.00	76.22665414	36.8785606	No	3/2/2021	Active	JL56
Intersection Improvements	6222-6252	E VIRGINIA BEACH BOULEVARD AT WINBURNE LANE	0.48	0.30	20-0089.1	Private	Credit Offset	0.00	76.19156854	36.85526602	No	10/27/2021	Active	JL54
Salt OV	7915	Shore Drive	3.36	1.98	20-0090.2	Private	Credit Purchase	0.00	76.19320422	36.91893964	Yes	6/25/2021	Active	CB26
Multi-Family Residential Development	3611	Colley Ave	0.41	0.15	21-0001.2	Private	Credit Purchase	0.00	76.29523709	36.8788993	Yes	5/17/2021	Active	JL56
THE FUSION MULTI-FAMILY DEVELOPMENT	225	W Olney Road	2.19	2.08	21-0005.3	Private	Credit Purchase	0.00	76.29176165	36.85593901	Yes	5/19/2021	Active	JL56
Pump Station Replacement #113	3030	Luxembourg Street	0.46	0.00	21-0009.1	Private	Credit Purchase	0.00	76.27009462	36.87729504	Yes	7/7/2021	Active	JL56
Pump Station Replacement #106	3500	Granby Street	0.36	0.15	21-0010.1	Private	Credit Purchase	0.00	76.27710742	36.88119671	No	7/7/2021	Active	JL56
Pump Station #105	5734	Chesapeake Blvd	0.29	0.02	21-0011.3	Private	Credit Purchase	0.00	76.24493535	36.8846451	No	7/7/2021	Active	JL56
Chenman Phase II	601	W 24th Street	1.42	1.22	21-0014.4	Private	Credit Purchase	0.00	76.29296488	36.87190099	No	10/11/2021	Active	JL56
1039 W 25th Street Warehouse	1039	W 25th Street	0.31	0.29	21-0015.5	Private	Credit Purchase	0.00	76.30055468	36.8747808	Yes	6/18/2021	Active	JL56
Hagues Club Apartments	600	Fairfax Ave	1.68	0.08	21-0026.1	Private	Credit Purchase	0.00	76.29947778	36.85946551	No	10/22/2021	Active	JL56
Colonna's Shipyard Shafting Workshop	465	E. Indian River Road	1.15	1.07	21-0028.1	Private	Credit Purchase	0.00	76.27487353	36.83301833	Yes	6/29/2021	Active	JL54
WEST 38TH STRTEET APARTMENTS CIVIL SITE PLANS	1045	38TH Street	2.49	1.51	21-0029.2	Private	Credit Purchase	0.00	76.30013638	36.8792696	Yes	4/6/2021	Active	JL56
Woodlawn Mausoleum	6309	E Virginia Beach Blvd	0.31	0.12	21-0030.2	Private	Dry Swale 1	0.19	76.18588614	36.85044608	Yes	2/17/2022	Active	JL54
Woodlawn Mausoleum	6309	E Virginia Beach Blvd	0.31	0.12	21-0030.1	Private	Credit Purchase	0.00	76.18604218	36.85043842	Yes	7/1/2021	Active	JL54
Algonquin House-Site Improvements	7320	Glenroie Ave	0.33	0.25	21-0034.1	Private	Credit Purchase	0.00	76.29923152	36.91049808	No	9/2/2021	Active	JL56
Utilities Pump Station 91 Replacement	5524	Raby Rd	0.65	0.30	21-0036.1	Public	Credit Purchase	0.00	76.21858282	36.85768578	No	8/4/2021	Active	JL54
Utilities Pump Station 93 Replacement	5822	Sellger Drive	0.14	0.04	21-0050.1	Public	Credit Purchase	0.00	76.20486998	36.8387642	No	9/27/2021	Active	JL54
Colonna's Shipyard - Steel Processing Center	465	E INDIAN RIVER RD	10.90	0.47	21-0052.1	Private	Credit Purchase	0.00	76.27535	36.83343	No	10/15/2021	Active	JL54

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
EOV Basketball Ct.	9520	20th Bay Street	2.10	0.00	21-0060.2	Public	Credit Purchase	0.00	76.19527316	36.9264747	Yes	8/16/2022	Active	CB26
Gospel Church of Deliverance	711	Comstock Street	1.45	0.53	91067.003.1	Private	Detention Basin	1.45	76.23708003	36.84291055	Yes	1/1/1995	Active	JL54
Cape Henry Avenue Site Renovations and Improvement	2233	McKann Ave	3.52	3.04	91067.005.1	Public	Infiltration Practices		76.25407391	36.86011341	No	1/1/1993	Active	JL56
Archers Green Apartments	261	Suburban Parkway	2.88	1.12	91067.006.2	Private	Infiltration Practices	1.20	76.26783899	36.91013178	Yes	2/13/1992	Active	JL56
Archers Green Apartments	261	Suburban Parkway	2.88	1.12	91067.006.1	Private	Infiltration Practices	2.49	76.26759325	36.91072067	Yes	2/13/1992	Active	JL56
9533 7th Bay Street	9533	7th Bay Street	0.17	0.05	91067.008.1	Private	Infiltration Practices	0.17	76.21048257	36.93069318	Yes	9/16/1991	Active	CB26
Nauticus	1	WATERSIDE DRIVE	0.00	0.00	91067.009.1	Public	Manufactured Treatment Device	1.65	76.29461498	36.84739335	No	1/1/1992	Active	JL56
Greek Orthodox Church	7220	Granby Street	0.24	0.09	91067.012.1	Private	Infiltration Practices	0.24	76.27297245	36.9075365	Yes	7/16/1991	Active	JL56
Village Foods - Azalea Garden & Village Intersec	1187	AZALEA GARDEN ROAD	5.34	4.40	91067.022.1	Private	Wet Pond	5.34	76.23471907	36.85842261	No	12/15/1993	Active	JL54
Lake Liberty	3000	LAKEBRIDGE DRIVE	0.00	0.00	91067.029.1	Public	Wet Pond	195.00	76.24934923	36.84828327	No	1/1/1993	Active	JL54
Beach Maintenance Blvd, NRHA	700	E OCEAN VIEW AVENUE			91067.030.1	Public	Infiltration Practices		76.24429281	36.95026426	No		Active	CB26
Parkdale Day School	7419	Parkdale Drive	0.60	0.10	91067.032.1	Private	Infiltration Practices	0.46	76.26650855	36.91131702	Yes	6/29/1992	Active	JL56
Bay Point Club House	9511	BAY FRONT DRIVE	0.89	0.69	92067.013.1	Private	Infiltration Practices	0.89	76.18165957	36.92441941	Yes	12/17/1992	Active	CB26
Shoshone Court	4553	Shoshone Court	0.75	0.75	92067.022.1	Private	Infiltration Practices	8.93	76.23782007	36.8790816	No	7/2/1992	Active	JL56
Christopher Court		CHRISTOPHER COURT	2.89	0.00	92067.043.1	Public	Detention Basin	2.98	76.22452815	36.88800612	Yes	1/1/2007	Active	JL56
Virginia Wesleyan College - Physical Plant	1584	Wesleyan Drive	6.83	0.29	92067.053.1	Private	Extended Detention Basin	6.83	76.19210945	36.87064022	Yes	2/25/1991	Active	JL54
Virginia Wesleyan College - Physical Plant	1584	Wesleyan Drive	6.83	0.29	92067.053.2	Private	Extended Detention Basin	4.33	76.19096683	36.87074751	Yes	2/25/1991	Active	JL54
Raytheon	2555	Ellsmere Avenue	1.57	1.12	92067.076.1	Private	Detention Basin	1.18	76.2206401	36.87675643	Yes	4/15/1994	Active	JL56
Norview Middle School	6325	Sewells Point Road	16.00	4.65	92067.082.1	School	Extended Detention Basin	10.04	76.24306605	36.89441568	Yes	8/31/1993	Active	JL56
Norview Middle School	6325	Sewells Point Road	16.00	4.65	92067.082.2	School	Extended Detention Basin	5.96	76.24065206	36.89355335	Yes	8/31/1993	Active	JL56
Azalea Super Service	5828	Curlew Drive	0.00	0.00	92067.087.1	Private	Infiltration Practices	0.00	76.20550706	36.84163743	No	12/16/1992	Active	JL54
Lake Wright Executive Center	5701	Lake Wright Drive	43.00	35.00	98-3611.1	Private	Wet Pond	26.20	76.20904492	36.87735611	No	1/1/2000	Active	CB26
Lake Wright Executive Center	5701	Lake Wright Drive	43.00	35.00	98-3611.2	Private	Wet Pond	12.25	76.20966719	36.87933858	No	1/1/2000	Active	CB26
Lake Wright Executive Center	5701	Lake Wright Drive	43.00	35.00	98-3611.3	Private	Wet Pond	5.32	76.20436715	36.87813709	No	1/1/2000	Active	CB26
Children's Harbor	1900	Llewellyn Avenue	0.00	0.00	99-4004.1	Private	Manufactured Treatment Device	0.00	76.28832446	36.86684713	Yes	6/13/2005	Active	JL56
Faith Wesleyan Church	745	Pecan Point Road	2.65	1.41	99-4033.1	Private	Detention Basin	3.86	76.22382231	36.85356946	Yes	6/4/2001	Active	JL54
Windstream	1319	Ingleside Road	0.61	0.45	99-4087.1	Private	Detention Basin	0.50	76.24395118	36.85945149	No	1/1/2000	Active	JL54
Ballentine Home	7211	Granby Street	0.97	0.56	99-4169.1	Private	Infiltration Practices	0.22	76.27615075	36.90813078	No	5/29/2001	Active	JL56
Virginia Paving Co.	3419	Trant Avenue	18.55	18.55	99-4218.1	Private	Wet Pond	6.90	76.2423043	36.8492699	No	1/1/2004	Active	JL54
Virginia Paving Co.	3419	Trant Ave.	18.55	18.55	99-4218.2	Public	Detention Basin	2.38	76.24435551	36.85053128	No	1/1/2004	Active	JL54
U-Haul	7448	N Military Highway	0.46	0.36	99-4220.1	Private	Infiltration Practices	0.60	76.23420403	36.91131702	Yes	10/2/2001	Active	JL54
Centura College	7020	N Military Highway	2.52	2.29	99-4224.1	Private	Detention Basin	0.95	76.23312042	36.90874775	Yes	1/1/2000	Active	CB26
Lowe's	1081	N Military Highway	17.65	12.22	99-4237.1	Private	Wet Pond	12.47	76.2121774	36.8592283	Yes	6/13/2005	Active	JL54
Single Family Homes - 2413,2419 Masi Street	2413	Masi Street	0.21	0.04	B20-02483.2	Private	Extended Detention Basin	0.04	76.27126593	36.86629012	Yes	4/13/2022	Active	JL56
Single Family Homes - 2413,2419 Masi Street	2419	Masi Street	0.24	0.04	B20-02483.1	Private	Extended Detention Basin	0.06	76.27128676	36.86638949	Yes	4/13/2022	Active	JL56
Single Family - 3234 East Ocean View Ave	3234	E. Ocean View Ave	0.11	0.08	B21-00927.1	Private	Permeable Pavement	0.03	76.20220588	36.93299062	No	4/11/2022	Active	CB26
Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	0.15	0.06	B21-01460.1	Private	Infiltration Practices	0.01	76.19798099	36.93171855	No	4/28/2022	Active	CB26
Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	0.15	0.06	B21-01460.2	Private	Infiltration Practices	0.01	76.1978993	36.93170837	No	4/28/2022	Active	CB26
Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	0.15	0.06	B21-01460.3	Private	Infiltration Practices	0.00	76.19795332	36.93165123	No	4/28/2022	Active	CB26
John's Brothers Inc. Parking Lot and Wash Building	1384	Ingleside Road	3.70	2.53	BROTHERS.1	Private	Grass Channel	0.29	76.24261307	36.86303561	No	4/17/1997	Active	JL54
Filterra	3988	OMOHUNDRO AVENUE	0.00	0.00	ColPIFit1.1	Public	Manufactured Treatment Device	0.07	76.28255087	36.88303625	No	1/2/2013	Active	JL56
Filterra	3988	OMOHUNDRO AVENUE	0.00	0.00	ColPIFit1.2	Public	Manufactured Treatment Device	0.06	76.28266244	36.88305749	No	1/2/2013	Active	JL56
Filterra	428	CAROLINA AVENUE	0.00	0.00	ColPIFit2.1	Public	Manufactured Treatment Device	0.12	76.30350478	36.87676824	No	1/1/2014	Active	JL54
Filterra	418	VIRGINIA AVENUE	0.00	0.00	ColPIFit3.1	Public	Manufactured Treatment Device	0.16	76.28579005	36.88134074	No	1/2/2013	Active	JL56
Filterra	400	37TH STREET	0.00	0.00	ColPIFit4.1	Public	Manufactured Treatment Device	0.08	76.28577705	36.8797966	No	1/7/2013	Active	JL56
Filterra	325	36TH STREET	0.00	0.00	ColPIFit5.1	Public	Manufactured Treatment Device	0.12	76.2863653	36.87899172	No	1/31/2013	Active	JL56
Givens Enterprise	3510	County Street	3.86	1.83	GIVENS.1	Private	Grass Channel	2.01	76.25145867	36.88242161	Yes	1/19/1999	Active	JL54
Glenrock SFR	462	Frizzell Ave	1.26	0.51	Glenrock SFR.1	Private	Other Retrofit- Runoff Reduction	1.26	76.20312389	36.84898931	No	11/24/2015	Active	JL54
Heco Slings Corporation Building Addition	4570	Progress Road	1.29	0.73	HECO.1	Private	Detention Basin	0.84	76.23091371	36.8663066	Yes	7/24/1997	Active	JL54
Herbert St Subdivision	3214	HERBERT STREET	0.68	0.33	Herbert St. Sub. In	Private	Grass Channel	0.08	76.22960126	36.88277818	Yes	9/28/2017	Active	JL56
Herbert St Subdivision	3210	Herbert Street	0.68	0.33	Herbert St. Sub. In	Private	Grass Channel	0.08	76.22953173	36.88270057	Yes	9/28/2017	Active	JL56
Herbert St Subdivision	3206	Herbert Street	0.68	0.33	Herbert St. Sub. In	Private	Grass Channel	0.08	76.22961566	36.88295118	Yes	9/28/2017	Active	JL56
Herbert St Subdivision	3202	Herbert Street	0.68	0.33	Herbert St. Sub. In	Private	Grass Channel	0.08	76.22965219	36.88307972	Yes	9/28/2017	Active	JL56
HRT Transfer Military Circle	880	N MILITARY HIGHWAY	0.14	0.09	HRT Transfer Milit	Private	Permeable Pavement	0.00	76.20341712	36.85274312	No	12/4/2013	Active	JL54
HRT Newtown Park and Ride	120	BANGOR AVENUE	3.70	2.60	Light Rail.1	Private	Extended Detention Basin	3.70	76.18926631	36.84147398	No	5/15/2011	Active	JL54
Magnolia Cove Regional BMP	5282	Barharbor Drive	1.85	0.57	MAGBMP.1	Private	Detention Basin	1.85	76.22590226	36.84976094	No	11/12/1995	Active	JL54
Norfolk Commerce Pond #2	5342	ROBIN HOOD ROAD	0.00	0.00	S10.1	Private	Wet Pond	28.35	76.22274607	36.8799906	No	6/18/2001	Active	JL56
LaValette Living Shoreline		LaValette Kayak Launch Shoreline	0.51	0.00	S100.1	Public	Shoreline Management	0.05	76.2752411	36.88093456	No	1/1/2016	Active	JL56
LaValette Living Shoreline		LaValette Kayak Launch Shoreline	0.51	0.00	S100.2	Public	Shoreline Management	0.06	76.27496024	36.88076826	No	1/1/2016	Active	JL56
LaValette Living Shoreline		LaValette Kayak Launch Buffer	0.51	0.00	S100.3	Public	Forest Buffer More Than 35ft Wide	0.19	76.27519539	36.88072203	No	12/16/2016	Active	JL56
Lafayette Park Basin	3500	GRANBY STREET			S101.1	Public	Detention Basin		76.2797819	36.87670136			Active	JL56
Haven Creek Pathway	300	Llewellyn Avenue	0.69		S102.1	Public	Shoreline Management		76.26365981	36.88533785	No	5/1/2012	Active	JL56
Ray & Joan Krock Center	1341	BALLENTINE BOULEVARD	8.25	3.94	S103.1	Public	Wet Pond	3.47	76.24964721	36.8569367	No	10/23/2014	Active	JL56
MCNUTT COURT POND		McNutt Court			S105.1	Public	Detention Basin		76.23707834	36.87933827	No		Active	JL56
MCNUTT COURT POND		McNutt Court			S105.2	Public	Detention Basin		76.23590951	36.87901206	No		Active	JL56
Utilities Combined Ops	1316	Ballentine Blvd			S106.1	Public	Extended Detention Basin		76.24753231	36.85636227	No		Active	JL54
Utilities Combined Ops	1316	Ballentine Blvd			S106.2	Public	Extended Detention Basin		76.24758206	36.85693559	No		Active	JL54
Norfolk Commerce Pond #3	2416	ALMEDA AVENUE	0.00	0.00	S11.1	Public	Detention Basin	28.35	76.21285375	36.87895524	No	1/1/2001	Active	JL56
Silver Lake-Duck Pond	517	Duck Pond Road	0.00	0.00	S14.1	Public	Wet Pond	74.35	76.22018984	36.84965981	No	1/1/1995	Active	JL54
Meadow Lake	5442	Bayberry Drive	0.00	0.00	S15.1	Public	Wet Pond	193.10	76.22117029	36.85138968	No	1/1/1995	Active	JL54
Ballentine Elementary School Lake	3000	Dana Street	0.00	0.00	S2.1	Public	Wet Pond	179.83	76.25272699	36.86454926	No	1/1/1995	Active	JL56
RiverStar Homes Bioretention	3123	LUXEMBOURG AVENUE	1.60	0.70	S69.1	Public	Bioretention Basins	1.60	76.26971106	36.87897361	No	2/28/2014	Active	JL56
Stormwater Pump Station 12	8701	Hampton Blvd	5.69	4.45	S70.1	Public	Manufactured Treatment Device	5.69	76.31835455	36.93143977	No	1/1/2010	Active	JL57
Sewells Point GC Entrance	660	Ruthven Road	0.28	0.26	S71.2	Public	Detention Basin	0.14	76.28696451	36.92052448	No	1/1/2017	Active	JL57
Sewells Point GC Entrance	660	RUTHVEN ROAD	0.28	0.26	S71.1	Public	Detention Basin	0.14	76.28659254	36.9205704	No	1/1/2017	Active	JL57
Continous Flow Intersection	1469	N MILITARY HIGHWAY	31.05	24.96	S72.1	Public	Extended Detention Basin	14.48	76.2116927	36.87428575	No	12/15/2020	Active	JL54
Lake Scott	5906	McGinnis Circle	0.00	0.00	S8.1	Public	Wet Pond	15.89	76.2050427	36.83334605	No	1/1/1995	Active	JL54
Norfolk Commerce Pond #1	5300	ROBIN HOOD ROAD	0.00	0.00	S9.1	Private	Wet Pond	28.35	76.22519181	36.87949306	No	6/28/2001	Active	JL56
Cape Henry Filterra	2800	CAPE HENRY AVENUE	0.22	0.22	SCHF.1	Public	Manufactured Treatment Device	0.22	76.25272906	36.86067961	No	5/2/2014	Active	JL56
Annetta M. Lane Apartments	2734	Gate House Road	0.81	0.53	T100.1	Private	Detention Basin	0.53	76.25648781	36.84996854	Yes	9/13/1994	Active	JL54
Norfolk Botanical Gardens - Visitors Reception	6700	Azalea Garden Road	10.86	4.01	T103.1	Public	Wet Pond	10.86	76.19865013	36.90261473	No	9/22/1994	Active	CB26
BP Gas Station	3210	Chesapeake Boulevard	0.56	0.47	T106.1	Private	Infiltration Practices	0.42	76.25247121	36.87503029	Yes	9/27/1994	Active	JL56
Norfolk Public Schools Transportation Operations	5555	Raby Road	9.95	8.06	T107.1	School	Detention Basin	9.95	76.21698209	36.8572684	No	10/7/1994	Active	JL54
9501 8th Bay Street	9501	8th Bay Street	0.35	0.04	T109.1	Private	Vegetated Filter Strip	0.00	76.20952884	36.92956152	Yes	1/5/1995	Active	CB26
Bank Street Baptist Church Parking Lot	7036	Chesapeake Boulevard	1.65	0.93	T111.1	Private	Permeable Pavement	1.65	76.2393198	36.90752675	Yes	3/1/2000	Active	CB26
Macedonia Christian Church	1426	Marshall Avenue	0.51	0.31	T116.1	Private	Detention Basin	0.21	76.26340523	36.85912958	Yes	2/21/1995	Active	JL56
Saesoon Presb. Church	5135	Stanart Street	2.80	0.70	T119.1	Private	Detention Basin	1.40	76.22529738	36.85413251	Yes	2/2/1995	Active	JL54
Saesoon Presb. Church	5135	Stanart Street	2.80	0.70	T119.2	Private	Detention Basin	1.40	76.22584958	36.85453311	Yes	2/2/1995	Active	JL54
BJ's Wholesale Warehouse	5820	E VIRGINIA BEACH BOULEVARD	11.20	10.34	T121.1	Private	Wet Pond	12.39	76.20579801	36.85807242	Yes	9/19/1994	Active	JL54

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Davita Dialysis Center	962	Norfolk Square	1.73	1.47	T122.1	Private	Infiltration Practices	1.73	76.23450518	36.85382775	Yes	7/25/1994	Active	JL54
Lake Whitehurst Harvesting Facility	7601	Leafwood Drive	0.43	0.24	T125.1	Public	Detention Basin	0.43	76.20879341	36.9070073	No	9/7/1994	Active	CB26
Rite Aid	1101	E Little Creek Road	0.91	0.74	T136.1	Private	Detention Basin	0.91	76.24086395	36.91373395	Yes	6/8/2001	Active	CB26
Warehouse	1141	Lance Road	0.50	0.34	T146.1	Private	Grass Channel	0.01	76.21548231	36.86162232	Yes	11/23/1994	Active	JL54
Contel Cellular Tower	424	W Government Avenue	0.24	0.07	T150.1	Public	Infiltration Practices	0.24	76.2633194	36.95632109	Yes	11/2/1994	Active	JL57
Elm Court Development	915	Elm Court	5.47	1.69	T153.1	Private	Detention Basin	5.47	76.23533766	36.84865932	Yes	4/12/1996	Active	JL54
Elm Court Development	924	ELM COURT	5.47	1.69	T153.2	Public	Infiltration Practices	5.47	76.2343118	36.84905076	No	4/12/1996	Active	JL54
The Anchorage-South Hampton Roads Support Housing	112	Cromwell Parkway	4.58	2.09	T158.1	Private	Detention Basin	0.51	76.27173617	36.91278928	Yes	1/1/1995	Active	JL56
711	774	W Little Creek Road	0.73	0.48	T161.1	Private	Infiltration Practices	0.73	76.28925863	36.91645014	Yes	8/22/1995	Active	JL57
Contel Cellular Tower	416	W 24th Street	0.18	0.04	T170.1	Private	Grass Channel	0.18	76.28960441	36.87128647	Yes	5/4/1995	Active	JL56
Shiloh Baptist Church Parking Lot	745	Park Avenue	2.32	1.91	T173.1	Private	Detention Basin	1.16	76.27054354	36.84789942	Yes	1/1/1997	Active	JL54
Shiloh Baptist Church Parking Lot	745	Park Avenue	2.32	1.91	T173.2	Private	Detention Basin	2.32	76.27045329	36.84799107	Yes	1/1/1997	Active	JL54
Shiloh Baptist Church Parking Lot	745	Park Avenue	2.32	1.91	T173.4	Private	Detention Basin	1.16	76.27004538	36.84844206	Yes	1/1/1997	Active	JL54
Shiloh Baptist Church Parking Lot	745	Park Avenue	2.32	1.91	T173.3	Private	Detention Basin	1.16	76.27012409	36.84833862	Yes	1/1/1997	Active	JL54
Shiloh Baptist Church Parking Lot	745	Park Avenue	2.32	1.91	T173.5	Private	Detention Basin	1.16	76.27006927	36.8473264	Yes	1/1/1997	Active	JL54
Allied Systems	2224	Springfield Avenue	2.47	1.81	T178.1	Private	Extended Detention Basin	0.42	76.25133807	36.83531761	Yes	3/16/1995	Active	JL54
Jack & Jill Ice Cream Co.	7816	N Military Highway	0.88	0.75	T188.1	Private	Infiltration Practices	0.88	76.23696688	36.91448795	Yes	1/1/2000	Active	CB26
Ted Lansing Corporation	3644	Village Avenue	3.25	2.07	T210.1	Private	Detention Basin	3.25	76.23980448	36.86013823	Yes	11/14/1995	Active	JL54
Bay Oaks Place Extension NRHA	2318	Bay Oaks Place	0.36	0.23	T212.1	Public	Infiltration Practices	0.23	76.21175789	36.9351734	No	4/29/1995	Active	CB26
Electrical Equipment Company	3798	Village Avenue	2.82	2.13	T214.1	Private	Wet Pond	2.82	76.23706327	36.86088934	Yes	6/27/1995	Active	JL54
Norfolk Fitness and Wellness Center	7300	Newport Avenue	0.99	0.53	T217.1	Public	Detention Basin	0.99	76.2766435	36.9118788	Yes	7/28/1995	Active	JL56
Chrysler Museum - Gallery Project	245	W Olney Road	0.16	0.16	T222.1	Private	Infiltration Practices	0.16	76.29290152	36.85685382	Yes	2/25/1997	Active	JL56
Robin Hood Road Parking Lot	5505	Robin Hood Road	0.78	0.72	T223.1	Private	Detention Basin	0.79	76.21604548	36.88081896	Yes	10/15/1995	Active	JL54
Norfolk Tent Company	836	Poplar Hall Drive	1.12	0.55	T229.1	Private	Detention Basin	0.72	76.19727002	36.85366979	Yes	6/22/1995	Active	JL54
Autumn Care	1401	Halstead Avenue	4.63	2.40	T23.1	Private	Detention Basin	4.63	76.22481063	36.86715019	Yes	2/3/1995	Active	JL54
Pretty Lake Estates - Lot 11	9520	8th Bay Street	0.17	0.05	T236.1	Private	Vegetated Filter Strip	0.00	76.20875993	36.93015594	No	10/1/1995	Active	CB26
Pretty Lake Estates - Lot 14	9532	8th Bay Street	0.17	0.05	T237.1	Private	Vegetated Filter Strip	0.00	76.20857787	36.93054398	No	11/3/1997	Active	CB26
Abyssinia Baptist Church Parking Lot	2816	Colley Avenue	0.17	0.17	T245.1	Private	Infiltration Practices	0.17	76.29466246	36.8764999	Yes	1/1/1996	Active	JL56
Super KMart	6101	N Military Highway	24.68	18.75	T249.1	Private	Wet Pond	24.68	76.22808323	36.89537238	Yes	10/25/1995	Active	CB26
First Pentecostal Church-Building and Parking Lot	1430	WILSON ROAD	0.17	0.06	T250.1	Private	Infiltration Practices	0.12	76.26586114	36.82875276	Yes	10/9/2000	Active	JL54
First Pentecostal Church-Building and Parking Lot	1430	WILSON ROAD	0.17	0.06	T250.2	Private	Infiltration Practices	0.12	76.2659311	36.82865055	Yes	10/9/2000	Active	JL54
First Pentecostal Church-Building and Parking Lot	1430	WILSON ROAD	0.17	0.06	T250.3	Private	Infiltration Practices	0.12	76.26558002	36.82813934	Yes	10/9/2000	Active	JL54
First Pentecostal Church-Building and Parking Lot	1430	WILSON ROAD	0.17	0.06	T250.4	Private	Infiltration Practices	0.12	76.26564755	36.82803945	Yes	10/9/2000	Active	JL54
Covan Building Addition	3325	Croft Street	0.86	0.64	T251.1	Private	Detention Basin	0.86	76.22174249	36.88473862	Yes	5/24/1995	Active	CB26
Zap Tax	325	E Bayview Boulevard	0.57	0.21	T257.1	Private	Infiltration Practices	0.21	76.25540957	36.93246416	Yes	1/1/1997	Active	CB26
8570 Chesapeake Blvd. (18 unit apartments)	8570	Chesapeake Boulevard	0.76	0.49	T275.1	Private	Infiltration Practices	0.38	76.24394849	36.93237625	Yes	1/10/1996	Active	CB26
8570 Chesapeake Blvd. (18 unit apartments)	8570	Chesapeake Boulevard	0.76	0.49	T275.2	Private	Infiltration Practices	0.38	76.24340534	36.93241699	Yes	1/10/1996	Active	CB26
NPD 2nd Precinct Training Center	2500	N Military Highway	8.00	4.40	T276.1	Public	Wet Pond	6.15	76.20952772	36.8801367	No	1/4/1996	Active	CB26
O' Reilly Auto Parts	3212	Tidewater Drive	0.97	0.97	T278.1	Private	Infiltration Practices	0.94	76.26298237	36.87798785	Yes	2/16/1996	Active	JL56
Piedmont Aviation Hanger - International Airport	6170	Miller Store Road	0.55	0.55	T281.1	Private	Extended Detention Basin	0.55	76.20219637	36.88625088	No	7/24/1996	Active	CB26
Cullifer Construction Company	864	W 40th Street	0.12	0.08	T282.1	Private	Infiltration Practices	0.12	76.29771794	36.88145295	Yes	3/19/1996	Active	JL56
Department of Homeland Security Building	5280	Henneman Drive	2.51	1.26	T284.1	Private	Detention Basin	2.51	76.22338936	36.87581559	Yes	3/28/1996	Active	JL54
Commonwealth Building Materials	401	Naval Base Road	0.69	0.69	T285.1	Private	Infiltration Practices	0.69	76.26191392	36.90984152	Yes	1/2/1997	Active	JL57
Target Store	1245	N Military Highway	21.60	16.35	T286.1	Private	Wet Pond	17.10	76.2140762	36.86577729	No	3/4/1996	Active	JL54
Sarah Lee Baker Perennial Garden	6700	Azalea Garden Road	0.00	0.00	T288.1	Private	Infiltration Practices	0.00	76.20086872	36.9025201	No	8/26/1991	Active	CB26
Townhouses	7922	Van Patten Road	0.05	0.03	T291.1	Private	Infiltration Practices	0.05	76.25512315	36.91772843	Yes	8/26/1996	Active	JL56
U-Haul Center	5609	Raby Road	0.06	0.06	T293.1	Private	Infiltration Practices	0.06	76.21429558	36.85822658	Yes	3/26/1996	Active	JL54
Little Creek East Shopping Center	3841	E Little Creek Road	1.66	1.33	T297.1	Private	Detention Basin	1.66	76.19681893	36.9177987	Yes	12/11/1996	Active	CB26
Auxiliary Systems	2401	Church Street	2.23	1.92	T309.1	Private	Grass Channel	1.56	76.27971977	36.86770839	Yes	3/18/1996	Active	JL56
Booker T. Washington High School & Lake Taylor H	1384	Kempsville Road	35.54	2.87	T315.1	School	Manufactured Treatment Device	0.71	76.27078935	36.8545669	Yes	10/29/1996	Active	JL54
Booker T. Washington High School & Lake Taylor H	1111	Park Avenue	12.38	2.03	T315.2	School	Manufactured Treatment Device	0.34	76.20019631	36.86833351	Yes	1/1/1997	Active	JL54
Signature Printing	889	Poplar Hall Drive	0.62	0.04	T317.1	Private	Infiltration Practices	0.62	76.19878547	36.85426643	No	3/27/1996	Active	JL54
Signature Printing	889	Poplar Hall Drive	0.62	0.04	T317.2	Private	Grass Channel	0.31	76.19871439	36.85427609	No	3/27/1996	Active	JL54
Navy Federal Credit Union	1530	International Boulevard	3.00	1.88	T326.1	Private	Detention Basin	3.00	76.22733221	36.89628616	Yes	7/26/2001	Active	CB26
Winn Nursery	1201	E LIBERTY STREET	0.81	0.36	T330.1	Private	Detention Basin	0.81	76.27716496	36.82475042	Yes	1/1/1998	Active	JL54
Safe Place Mini Storage	6137	Miller Store Road	1.32	1.14	T333.1	Private	Infiltration Practices	0.86	76.20340155	36.88268549	Yes	8/21/1996	Active	CB26
Cottage Place Subdivision	1110	Cottage Place	0.12	0.11	T341.1	Public	Infiltration Practices	1.48	76.23812724	36.9458652	No	2/18/1999	Active	CB26
New Hope Christian Community Church	3241	Brest Avenue	0.54	0.17	T343.1	Private	Infiltration Practices	0.54	76.25767871	36.87795472	Yes	7/10/1996	Active	JL56
New Hope Christian Community Church	3241	Brest Avenue	0.54	0.17	T343.2	Private	Infiltration Practices	0.54	76.25730857	36.87754278	Yes	7/10/1996	Active	JL56
Granby High School Renovations	7101	Granby Street	21.70	9.22	T345.1	School	Infiltration Practices	4.85	76.27907209	36.90866384	Yes	2/29/2000	Active	JL56
Granby High School Renovations	7101	Granby Street	21.70	9.22	T345.2	School	Infiltration Practices	0.11	76.27705741	36.90825759	Yes	2/29/2000	Active	JL56
Granby High School Renovations	7101	Granby Street	21.70	9.22	T345.3	School	Infiltration Practices	1.26	76.27648073	36.90810234	Yes	2/29/2000	Active	JL56
Granby High School Renovations	7101	Granby Street	21.70	9.22	T345.4	School	Infiltration Practices	5.19	76.27964248	36.90690952	Yes	2/29/2000	Active	JL56
Condo	9630	13th Bay Street	0.28	0.20	T349.1	Private	Infiltration Practices	0.25	76.2021845	36.93163496	Yes	5/14/1997	Active	CB26
USAA Recreation Area	5800	Northampton Boulevard	1.37	0.00	T36.1	Private	Extended Detention Basin	1.37	76.20369108	36.8787996	No	1/1/1999	Active	CB26
USAA Recreation Area	5800	Northampton Boulevard	1.37	0.00	T36.2	Private	Infiltration Practices	0.40	76.20663591	36.8767964	Yes	6/1/2001	Active	CB26
Burning Bush Worship Center	405	Pendleton Street	0.41	0.28	T364.1	Private	Infiltration Practices	0.22	76.28357409	36.93561438	Yes	1/1/1999	Active	JL56
Dairy Queen/Zero Subs	1520	Colley Avenue	0.32	0.19	T367.1	Private	Infiltration Practices	0.16	76.29704067	36.86838339	No	3/31/1997	Active	JL56
Dairy Queen/Zero Subs	1520	Colley Avenue	0.32	0.19	T367.2	Private	Infiltration Practices	0.16	76.2974563	36.86839845	No	3/31/1997	Active	JL56
Manteo Street and West Princess Road Townhouses	636	W Princess Anne Road	0.04	0.04	T370.1	Private	Infiltration Practices	0.04	76.29668365	36.86498101	Yes	8/21/1996	Active	JL56
Strip Mall - JANAF	5950	E VIRGINIA BEACH BOULEVARD	1.76	1.12	T379.1	Private	Detention Basin	1.12	76.20065497	36.85625809	Yes	9/11/1996	Active	JL54
Union Chapel A.M.E. Church	1200	Saint Julian Avenue	0.65	0.50	T38.1	Private	Infiltration Practices	0.22	76.26659974	36.86083998	Yes	1/25/1996	Active	JL56
Union Chapel A.M.E. Church	1200	Saint Julian Avenue	0.65	0.50	T38.2	Private	Infiltration Practices	0.22	76.26681164	36.86083569	Yes	1/25/1996	Active	JL56
Union Chapel A.M.E. Church	1200	Saint Julian Avenue	0.65	0.50	T38.3	Private	Infiltration Practices	0.22	76.26702085	36.86127348	Yes	1/25/1996	Active	JL56
Enterprise Rent-A-Car	1361	E Little Creek Road	0.45	0.30	T382.1	Private	Infiltration Practices	0.45	76.23480753	36.91565972	Yes	7/30/2001	Active	CB26
Mazzika Restaurant	4800	Colley Avenue	0.41	0.39	T4.1	Private	Infiltration Practices	0.13	76.29497041	36.8876723	Yes	6/16/1993	Active	JL56
Dale's Train Station	5880	Poplar Hall Drive	1.32	1.15	T400	Private	Detention Basin	1.32	76.20299248	36.84969439	Yes	1/1/1999	Active	JL54
HRT Station Wards Corner	7725	Granby Street	3.25	2.15	T402.1	Private	Detention Basin	0.08	76.2739624	36.91830168	Yes	1/1/2000	Active	JL56
Woodlawn Memorial Gardens Funeral Home	6329	E VIRGINIA BEACH BOULEVARD	2.91	1.68	T409.1	Private	Detention Basin	1.96	76.18737804	36.85363115	Yes	1/1/1997	Active	JL54
Woodlawn Memorial Gardens Funeral Home	6329	E VIRGINIA BEACH BOULEVARD	2.91	1.68	T409.2	Private	Detention Basin	1.96	76.18757718	36.85321184	Yes	1/1/1997	Active	JL54
Fairlawn Recreation Center Addition	1014	KEMPSVILLE ROAD	3.50	1.21	T414.1	Public	Detention Basin	3.50	76.19402455	36.85603918	No	1/1/1999	Active	JL54
Shell Station	2750	N MILITARY HIGHWAY	0.93	0.74	T416.1	Private	Detention Basin	0.89	76.21549026	36.88510762	Yes	1/1/1998	Active	CB26
Doctor's Office	1902	Omohundro Avenue	0.63	0.53	T430.1	Private	Infiltration Practices	0.63	76.28651525	36.86631487	Yes	6/12/1997	Active	JL56
Apartments Parking Lot	1601	Kingston Avenue	0.34	0.15	T435.1	Private	Infiltration Practices	0.10	76.22929022	36.93954549	Yes	1/1/1999	Active	CB26
New Life Christian Center	3909	Pleasant Avenue	0.97	0.62	T446.1	Private	Detention Basin	0.98	76.19491504	36.92837757	Yes	5/7/1998	Active	CB26
East Coast Brake Rebuilders	5812	Curlew Drive	1.50	0.88	T447.1	Private	Detention Basin	1.25	76.20620124	36.8417038	No	7/25/1997	Active	JL54
Covenant Presbyterian Church	913	Covenant Street	0.56	0.56	T448.1	Private	Detention Basin	0.35	76.26415893	36.85132608	Yes	3/20/1998	Active	JL54
Covenant Presbyterian Church	913	Covenant Street	0.56	0.56	T448.2	Private	Detention Basin	0.27	76.2641482	36.85107711	Yes	3/20/1998	Active	JL54
L. Fisherman & Son Inc. Flooring Installation	5875	ADDERLEY STREET	0.64	0.44	T449.1	Private	Grass Channel	0.43	76.20322138	36.84279829	Yes	10/28/1997	Active	JL54

ALL ACTIVE SWMF'S - CITY OF NORFOLK

Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
Moran Towing of Virginia, Inc.	1901	Brown Avenue	0.03	0.03	T460.1	Private	Grass Channel	0.09	76.27205606	36.84213238	Yes	1/1/1999	Active	JL54
Langley Federal Credit Union	7420	GRANBY STREET	0.15	0.07	T455.1	Private	Infiltration Practices	0.15	76.27235044	36.91327253	Yes	1/1/1999	Active	JL56
Heritage Bank & Trust	4815	Colley Avenue	0.41	0.29	T457.1	Private	Infiltration Practices	0.08	76.29560723	36.88781867	Yes	4/25/1997	Active	JL56
Heritage Bank & Trust	4815	Colley Avenue	0.41	0.29	T457.2	Private	Infiltration Practices	0.08	76.29540545	36.88782165	Yes	4/25/1997	Active	JL56
Avis Rent A Car Expansion	3430	N Military Highway	2.91	2.65	T465.1	Private	Detention Basin	2.91	76.21829853	36.88877392	Yes	1/1/2002	Active	CB26
Norfolk Botantical Gardens Production House	6700	Azalea Garden Road	1.62	0.30	T466.1	Public	Grass Channel	0.22	76.19861075	36.90710546	Yes	1/1/1999	Active	CB26
Virginia Zoological Park, Phase I	3500	Granby Street	12.79	5.19	T473.1	Public	Sand Filter	6.52	76.27580868	36.88028782	No	1/4/1993	Active	JL56
Helena Townhouses	1601	Helena Avenue	0.44	0.18	T474.1	Private	Infiltration Practices	0.22	76.30501047	36.90991546	Yes	10/17/1994	Active	JL56
Norfolk Collegiate Lower School	5429	Tidewater Drive	8.81	2.80	T478.1	Private	Extended Detention Basin	3.61	76.2615411	36.88804668	Yes	1/1/1999	Active	JL56
Family Dollar	6130	Chesapeake Boulevard	2.13	0.87	T486.1	Private	Extended Detention Basin	1.43	76.2376909	36.8903056	No	2/10/1999	Active	JL56
Ford Motor Company Body Shop & Final Area Addition	2424	Ford Drive	0.50	0.50	T487.1	Private	Detention Basin	0.50	76.25258253	36.83100661	No	1/1/1998	Active	JL54
Landmark Avaiation	6101	BURTON STATION ROAD	1.64	1.58	T498.1	Private	Extended Detention Basin	1.64	76.19799534	36.88655339	Yes	1/22/2002	Active	CB26
	1434	Bay View Blvd	3.00	0.80	T505.1	Public	Infiltration Practices	1.44	76.2359705	36.93490561	No	1/1/1999	Active	CB26
Bay Oaks Place	3701	Bay Oaks Place	4.16	2.45	T509.1	Public	Infiltration Practices	4.83	76.19740091	36.93147577	No	5/12/2000	Active	CB26
Rite Aid Regional Office	5315	HENNEMAN DRIVE	0.75	0.50	T516.1	Private	Infiltration Practices	0.75	76.22193871	36.87583392	No	8/1/2001	Active	JL54
Bayview Elementary School Addition / Renovation	1434	E Bayview Boulevard	0.66	0.43	T517.1	School	Infiltration Practices	2.89	76.23629683	36.9361962	No	1/1/1999	Active	CB26
Norfolk Public Health Center	855	W Brambleton Avenue	3.64	3.06	T522.1	Public	Infiltration Practices	3.64	76.30449335	36.85912547	No	1/1/1999	Active	JL56
Walter H. Taylor Elementary School	1410	Claremont Avenue	4.03	1.50	T524.1	School	Infiltration Practices	0.40	76.30457451	36.86945346	Yes	8/20/2001	Active	JL56
Walter H. Taylor Elementary School	1410	Claremont Avenue	4.03	1.50	T524.2	School	Infiltration Practices	0.24	76.30417458	36.86927204	Yes	8/20/2001	Active	JL56
Walter H. Taylor Elementary School	1410	Claremont Avenue	4.03	1.50	T524.3	School	Infiltration Practices	0.38	76.30404212	36.8693581	Yes	8/20/2001	Active	JL56
Beekman Street & Cape Henry Avenue	1557	Beekman Street	1.30	0.05	T527.1	Private	Infiltration Practices	0.16	76.22304068	36.87385234	No	1/1/2000	Active	JL54
Tabernacle Church	7000	Granby Street	10.99	7.47	T537.1	Private	Extended Detention Basin	7.14	76.27337779	36.90366723	Yes	8/27/2002	Active	JL56
Calvert Square Community Center Improvements	900	Bagnall Road	2.50	0.55	T540.1	Private	Infiltration Practices	0.55	76.27639517	36.85386295	No	1/1/1999	Active	JL56
Home Depot, Broad Creek Crossing	1261	N Military Highway	23.92	14.52	T548.1	Private	Wet Pond	22.70	76.2148602	36.86679557	Yes	12/18/1998	Active	JL54
Central Brambleton	1231	Booth Street	0.00	0.00	T559.1	Public	Wet Pond	57.02	76.2710664	36.85153351	No	12/3/1998	Active	JL56
Duplex Dudley Avenue - Lot "F"	709	Dudley Avenue	0.28	0.07	T56.1	Private	Infiltration Practices	0.28	76.24699011	36.94274505	Yes	12/21/1994	Active	CB26
Park Place Central	601	35th Street	0.26	0.15	T566.1	Private	Detention Basin	0.27	76.2907451	36.87790692	Yes	8/2/2001	Active	JL56
Lot E Bay Oaks Place		E Ocean View Avenue	0.17	0.06	T571.1	Private	Infiltration Practices	0.04	76.21246633	36.93551839	No	1/1/2000	Active	CB26
Fire Station	7924	Camellia Road	0.80	0.30	T574.1	Public	Grass Channel	0.05	76.19990435	36.91856412	Yes	1/1/1999	Active	CB26
Kramer Tire	1371	Azalea Garden Road	3.10	2.47	T577.1	Private	Detention Basin	1.11	76.23598502	36.8651688	Yes	9/17/1998	Active	JL54
Bay Oaks Place (NRHA)	2301	Bay Oaks Place	1.14	0.91	T58.1	Public	Infiltration Practices	0.89	76.21158496	36.93497904	Yes	12/29/1994	Active	CB26
First Va Bank of Tidewater	2222	E Little Creek Road	2.35	1.70	T589.1	Private	Wet Pond	2.35	76.2214936	36.9161122	Yes	4/19/2000	Active	JL56
Amelia Building at Koger Center	885	Kempsville Road	10.71	8.00	T591.1	Private	Wet Pond	9.70	76.19494723	36.85361398	Yes	6/11/1998	Active	JL54
Mount Pleasant Baptist Church Parking Lot	944	Baltimore Street	0.25	0.18	T593.1	Private	Detention Basin	0.27	76.2168591	36.91695477	Yes	7/13/1999	Active	JL57
United Way	2515	Walmer Avenue	1.55	1.02	T598.1	Private	Detention Basin	1.29	76.22481362	36.87738186	Yes	12/13/1999	Active	JL54
Dr. Hamlin Parking Lot	1806	Hampton Boulevard	0.30	0.25	T61.1	Private	Detention Basin	0.30	76.30091247	36.87058867	Yes	9/8/1994	Active	JL56
Duplex	6400	Chesapeake Boulevard	0.13	0.06	T612.1	Private	Infiltration Practices	0.13	76.23843119	36.8967023	Yes	2/29/2000	Active	CB26
H.B. Hunter Parking Lot	2814	Cromwell Road	1.97	1.92	T614.1	Private	Infiltration Practices	0.66	76.25109121	36.8730606	Yes	1/1/1999	Active	JL56
H.B. Hunter Parking Lot	2814	Cromwell Road	1.97	1.92	T614.2	Private	Infiltration Practices	0.66	76.25102684	36.87275805	Yes	1/1/1999	Active	JL56
H.B. Hunter Parking Lot	2814	Cromwell Road	1.97	1.92	T614.3	Private	Infiltration Practices	0.66	76.25091418	36.87233106	Yes	1/1/1999	Active	JL56
BB&T	131	W Ocean View Avenue	0.53	0.41	T616.1	Private	Infiltration Practices	0.40	76.25257637	36.95506439	Yes	3/6/2000	Active	CB26
Mariner's Watch Apartments -Phase 1	740	Mariners Way	7.22	3.32	T627.1	Private	Infiltration Practices	0.56	76.24867722	36.93937184	Yes	4/1/1999	Active	CB26
Mariner's Watch Apartments -Phase 1	740	Mariners Way	7.22	3.32	T627.2	Private	Infiltration Practices	0.42	76.24723406	36.93911459	Yes	6/5/2002	Active	CB26
Mariner's Watch Apartments -Phase 1	740	Mariners Way	7.22	3.32	T627.3	Private	Infiltration Practices	1.88	76.25093406	36.93878159	Yes	6/25/2002	Active	CB26
Applebee's - Janaf Shopping Center	5750	E VIRGINIA BEACH BOULEVARD	1.44	1.00	T64.1	Private	Detention Basin	0.91	76.20775835	36.85725747	No	1/1/1995	Active	CB26
Willoughby Bluff Condos	264	W Ocean View Avenue	0.09	0.06	T643.1	Private	Infiltration Practices	0.09	76.25538086	36.9575311	Yes	5/2/2000	Active	JL57
Costco Gas Station	850	Glenrock Road	1.51	1.29	T644	Private	Manufactured Treatment Device	1.24	76.19978325	36.8507337	Yes	12/2/1999	Active	JL54
Combined McKann Ave. Facility	2205	McKann Avenue	4.22	4.01	T650.1	Public	Wet Pond	4.22	76.25557403	36.86179494	Yes	1/1/1999	Active	JL56
Combined McKann Ave. Facility	2205	MCKANN AVENUE	4.22	4.01	T650.3	Public	Manufactured BMP Systems	4.22	76.25538563	36.86175198	Yes	1/1/1999	Active	JL56
Combined McKann Ave. Facility	2205	MCKANN AVENUE	4.22	4.01	T650.2	Public	Manufactured BMP Systems	4.22	76.25571738	36.86169929	Yes	1/1/1999	Active	JL56
Cedar Grove Parking Lot	207	E Princess Anne Road	0.00	0.00	T66.1	Public	Detention Basin	10.36	76.28657801	36.86015773	No	1/1/1994	Active	JL56
Todd Marine Electrical Supply	3411	Progress Road	1.47	1.05	T660.1	Private	Detention Basin	0.47	76.24130116	36.86124772	Yes	1/29/1999	Active	JL54
Todd Marine Electrical Supply	3411	Progress Road	1.47	1.05	T660.2	Private	Detention Basin	0.30	76.24166057	36.860855	Yes	1/29/1999	Active	JL54
Todd Marine Electrical Supply	3411	Progress Road	1.47	1.05	T660.3	Private	Detention Basin	0.20	76.24145672	36.86049018	Yes	1/29/1999	Active	JL54
Calvert Square Site Improvements	900	Bagnall Road	0.00	0.00	T663.1	Private	Infiltration Practices	0.14	76.27771068	36.85438197	No	1/1/1999	Active	JL56
Calz Pizza	728	E Bayview Boulevard	0.46	0.39	T678.1	Private	Grass Channel	0.24	76.24499723	36.93411395	Yes	1/1/2000	Active	CB26
Pope Avenue Street Improvements	1740	Pope Avenue	2.90	1.20	T69.1	Public	Manufactured Treatment Device	2.34	76.26696006	36.87396161	No	1/1/1996	Active	JL56
First Baptist Church of Lamberts Point	1268	38th Street	0.94	0.59	T698.1	Private	Infiltration Practices	0.59	76.30427902	36.87995282	No	9/18/2002	Active	JL56
Liberty Tax Service	7931	Shore Drive	0.24	0.13	T699.1	Private	Grass Channel	0.19	76.19317287	36.9192898	Yes	5/13/2004	Active	CB26
Pizzeria Uno	5700	E Virginia Beach Boulevard	2.05	1.73	T70.1	Private	Wet Pond	1.80	76.2082553	36.85723637	Yes	1/1/1996	Active	JL54
Airport Terminal Expansion	2200	Norview Avenue	98.10	63.90	T704.1	Private	Wet Pond	13.10	76.20635513	36.90048388	No	2/29/2000	Active	CB26
Bazemore's	1170	Lexan Avenue	0.83	0.63	T705.1	Private	Manufactured Treatment Device	0.39	76.30287537	36.90055637	Yes	8/27/2001	Active	JL56
Plume Ln. Parking Garage	545	E PLUME STREET	0.87	0.90	T715.1	Public	Manufactured Treatment Device	0.87	76.28675294	36.84629205	No	1/1/2000	Active	JL54
Riverside Commerce Center I	120	Corporate Boulevard	6.65	5.18	T719.1	Private	Wet Pond	6.65	76.21422798	36.84117809	Yes	11/14/2000	Active	JL54
Glad Tidings Church	301	S NEWTOWN ROAD	10.00	2.63	T731.1	Private	Infiltration Practices	0.38	76.19439738	36.83455526	Yes	1/1/2000	Active	JL54
Almeda Business Center	2500	Almeda Avenue	6.59	0.26	T744.1	Private	Grass Channel	6.59	76.21353226	36.88025471	Yes	1/1/2000	Active	JL54
Airport Long Term Parking	2200	Norview Avenue	3.49	2.95	T746.1	Private	Grass Channel	1.12	76.20341543	36.89588506	No	5/2/2000	Active	CB26
Cox Communications	4573	Village Avenue	0.08	0.06	T747.1	Private	Infiltration Practices	0.08	76.23070057	36.86254388	Yes	1/1/2000	Active	JL54
Norfolk Academy	1585	Wesleyan Drive	65.00	1.56	T748.1	Private	Wet Pond	1.64	76.19483994	36.87718514	No	4/1/2005	Active	JL54
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.1	Private	Infiltration Practices	0.14	76.27181663	36.94300444	Yes	2/3/1995	Active	JL57
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.2	Private	Infiltration Practices	0.14	76.26953005	36.94234311	Yes	2/3/1995	Active	JL57
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.3	Private	Infiltration Practices	0.14	76.27021267	36.94209551	Yes	2/3/1995	Active	JL57
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.4	Private	Infiltration Practices	0.14	76.27069681	36.94060988	Yes	2/3/1995	Active	JL57
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.5	Private	Infiltration Practices	0.14	76.27132847	36.94213088	Yes	2/3/1995	Active	JL57
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.6	Private	Infiltration Practices	0.14	76.2720426	36.94156922	Yes	2/3/1995	Active	JL57
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.7	Private	Infiltration Practices	0.14	76.27187832	36.93909957	Yes	2/3/1995	Active	JL57
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.8	Private	Infiltration Practices	0.14	76.27294821	36.93901228	Yes	2/3/1995	Active	JL57
Merrimac Landing Apartments (off site parking)	8807	Monitor Way	3.26	1.29	T75.9	Private	Infiltration Practices	0.14	76.27451093	36.94177025	Yes	2/3/1995	Active	JL57
Turbo Wash Dry Cleaners	4311	Colley Avenue	0.23	0.12	T755.1	Private	Infiltration Practices	0.13	76.29510489	36.88418529	Yes	2/28/2000	Active	JL56
Popeye's Chicken and Biscuits	5850	E VIRGINIA BEACH BOULEVARD	0.95	0.67	T766.1	Private	Detention Basin	0.30	76.20399292	36.85619226	No	2/25/2000	Active	JL54
Division of Streets & Bridges	2233	Mckann Avenue	1.12	0.90	T768.1	Public	Manufactured Treatment Device	4.22	76.25466731	36.86024164	No	1/1/2000	Active	JL56
Arcet Equipment Co.	304	E 25th Street	1.72	1.19	T769.1	Private	Manufactured Treatment Device	1.39	76.28101559	36.86977757	Yes	12/12/2000	Active	JL56
Arcet Equipment Co.	304	E 25th Street	1.72	1.19	T769.2	Private	Grass Channel	0.33	76.28164514	36.87032691	Yes	12/12/2000	Active	JL56
Excel Paving Corporation	1132	Harmony Road	0.30	0.25	T770.1	Private	Detention Basin	0.31	76.21735186	36.86106193	Yes	5/10/2000	Active	JL54
Duplex	248	W Freemason Street	0.45	0.37	T776.1	Private	Infiltration Practices	0.05	76.29318445	36.85224897	Yes	10/11/2000	Active	JL54
Duplex	248	W Freemason Street	0.45	0.37	T776.2	Private	Infiltration Practices	0.05	76.29306174	36.85225273	Yes	10/11/2000	Active	JL56
Parking Lot	2129	Vincent Avenue	0.52	0.13	T792.1	Private	Infiltration Practices	0.52	76.25106707	36.86064147	Yes	1/1/2001	Active	JL56
Greek Orthodox Church	7220	Granby Street	0.46	0.33	T86.1	Private	Grass Channel	0.14	76.27325997	36.90875943	No	10/6/1994	Active	JL56
FBI Building - Riverside Corporate Center	150	CORPORATE BOULEVARD	4.04	2.56	T91.1	Private	Detention Basin	1.92	76.21245989	36.83929103	No	2/14/1994	Active	JL54

ALL ACTIVE SWMF'S - CITY OF NORFOLK														
Site Title	Street Number	Street Name	Total Site Area (ac)	Total Impervious Area (ac)	SWMF ID #	Owner Type	SWMF Type	Contributing Drainage Area (ac)	Longitude	Latitude	SWMF Maintenance Agreement	Online Date	Status	HUC
FBI Building - Riverside Corporate Center	150	CORPORATE BOULEVARD	4.04	2.56	T91.2	Private	Wet Pond	1.92	-76.21343036	36.84001669	No	2/14/1994	Active	JL54
Barry's Performance Car Shop	2131	Cromwell Road	0.57	0.14	T93.1	Private	Infiltration Practices	0.57	-76.24874562	36.86173165	Yes	6/9/1994	Active	JL54
Barry's Performance Car Shop	2131	Cromwell Road	0.57	0.14	T93.2	Private	Infiltration Practices	0.12	-76.24848545	36.86175096	Yes	6/9/1994	Active	JL54
NRHA CMD Facility	910	Ballentine Boulevard	0.12	0.12	T99.1	Public	Infiltration Practices	0.12	-76.24512867	36.84931283	Yes	10/6/1994	Active	JL54
Volunteer Project Colley Bay Living Shoreline		51St Street & Killam Avenue		0.00	V1.1	Public	Shoreline Management		-76.29803148	36.88937708	No	5/1/2010	Active	JL56

DEPARTMENT OF PUBLIC WORKS
OPERATIONS DIVISION
Storm Water Pollution Prevention Protocol for the Maintenance of Roads, Streets and Parking Lots

DATE WRITTEN: September 18, 2018
DATE REVISED: July 15, 2021
PREPARED BY: June Whitehurst, Environmental Programs Manager
REVIEWED BY: Maurice S. Gunn, Assistant City Engineer; John M. White, Storm Water Engineer
FILE PATH: K:\0000 - PW\Admin\SOPs\0600 - Comb Ops\Operations SOPs\SOP 630 P2 Maintenance of Roads, Streets & Parking Lots\SOP 630 P2 Maintenance of Roads, Streets and Parking Lots.doc
DISTRIBUTION: Public Works Operational Crews

PURPOSE / OBJECTIVE:

To define guidelines, protocols, and procedures Operations will utilize to prevent pollutants from entering the storm water system from roads, streets and parking lot maintenance.

To ensure compliance with the requirements outlined under Part I.B.2.c of the City's MS4 permit.

BACKGROUND:

The City of Norfolk is mandated by federal and state law, as well as the City's MS4 VPDES Permit, VA0088650, to monitor and control pollutants in storm water discharges from City storm water conveyances. Part I.B.2.c of the MS4 permit requires the City to "*develop and implement written protocols for permittee-maintained road, street, and parking lot maintenance designated to minimize pollutant discharge.*" As part of the MS4 permit, general description of pollution prevention requirements for maintenance of roads, streets and parking lots are also covered under section 2.3 of the City's MS4 Program Plan, dated June 2017 and revised December 2020.

The City is also mandated by the state through the City's Industrial Storm Water General Permit VAR051796, and General Vehicle Wash and Laundry Facilities Permit VAG750131 to ensure pollution prevention practices are implement at the McKann yard to meet effluent limitations for sediment, oil and grease, and nutrients. The permit also regulates pH of the runoff from the site.

RESPONSIBILITIES:

Department of Public Works, Division of Environmental Storm Water Management is the administrator of the MS4 VPDES Permit, VA0088650.

Department of Public Works, Division of Streets & Bridges oversees the maintenance and repair of roads and streets, and some parking lot maintenance.

Environmental staff ensures compliance with the VPDES MS4 permit associated with pollution prevention practices.

PROCEDURES:

Street Sweeping - The City has implemented an aggressive street sweeping program that prevents debris and pollutants from entering the storm water system from city-owned roads, streets and parking lots. The sweeping schedule is listed below.

- Downtown business district - Swept daily 11:00 p.m. and 6 a.m., Sunday night through Friday morning.

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- City-wide streets with curb and gutters (except downtown) - Swept monthly Tuesday through Friday, with Monday as a make-up day. The monthly sweeping cycle is completed in four weeks.
- Underpasses and dead ends – Swept by hand to support the street sweeping efforts.
- NRHA communities - Swept twice per month, once with a regular mechanical sweeper and once with a mini-vacuum sweeper.
- Primary roads - Swept once per month by regenerative air sweepers during night operations.
- Special event - Cleanups occur immediately following parades, races, and other events.
- Municipal yards - Swept based on storm water pollution prevention plans. These usually occur either quarterly or twice per year.
- Norfolk Public School parking lots - Swept twice per year.
- City Parks parking lots – Swept once per quarter.
- City Beach parking lots – Swept every Monday and Friday from Memorial Day to Labor Day.
- Other City parking lots – Swept on a special request basis.

Road, Street and Parking Lot Maintenance

- Proper E&S measures are implemented per the City's E&S program.
- Illicit discharges and/or spills are identified and addressed upon discovery to prevent the spills from reaching the storm drains. See section 2.5 of the MS4 Program Plan for further details.
- Storage of bulk material in the field will be managed in a manner to prevent pollution to the storm drains. For small maintenance projects that do not require lay-down areas or formal E&S measures, bulk materials such as sand, dirt, etc. will be stored away from storm drains and in a manner that will prevent the loss of the material to the storm drain.
- Concrete chute waste water will be captured in a bag for proper disposal.
- Inlet protection will be installed during saw cutting activities of concrete roadways. Collection of excess waste water will occur where applicable. Street sweeping will occur to collect dry materials associated with the operation.
- Inlet protection will be installed in areas where milling activities.

Snow Activities

- Salt is stored at two locations in covered buildings.
- Urea-based deicing agents are never used.
- Brine is applied on bridges, overpasses, and arterials when conditions dictate its use. The brine residue gets diluted when the snow and ice melt.
- Street sweeping efforts are made to remove residual materials from roadways, streets and parking lots following snow events.

Equipment Maintenance

- Pre-trip inspections are completed daily prior to vehicle and equipment usage to avoid spills/leaks while performing maintenance.
- Spill equipment is stored on vehicles and equipment to quickly respond to spills or leaks.

Training

- Annual training is performed for staff once per year that covers pollution prevention practices both in the field, as well as in the yard. Illicit discharge detection is covered as well as general spill response practices and good housekeeping
- Annual 8-Hour Awareness Hazwoper training is performed for specific staff that respond to spills/leaks for proper cleanup efforts.

Bulk Material Storage at the Yard

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- The McKann yard is covered by individual storm water permits associated with the Asphalt operations and the Street Sweeping wash rack area. Best management practices are implemented throughout the yard to prevent sediment, oil and grease, and nutrients from discharging from the site. It also regulates the pH in the runoff from the site.
- A Storm Water Pollution Prevention Plan (SWPPP) has been developed and implemented for the McKann yard. Outlined in the SWPPP are the requirements for storage of bulk material associated with maintenance for roads, streets and parking lots. Also outlined in the SWPPP are sweeping operations for the yard and proper measures that may be used to prevent sediment from entering the storm water system.
- Proper spill equipment is kept on hand at the yard to perform chemical spill cleanups either in the yard or in the field.
- Chemicals are stored in a manner to prevent the release to the storm drainage system.

Approved:

Maurice S. Gunn
Assistant City Engineer
Public Works, Division of Streets & Bridges

John M. White
Storm Water Engineer
Public Works, Division of Environmental Storm Water Management

THE CITY OF NORFOLK

HIGH PRIORITY MUNICIPAL YARD STUDY

June Whitehurst,

Environmental Programs Manager

May 1, 2017

Introduction:

The City of Norfolk (City) is mandated by federal and state law, as well as the City's Municipal Separate Storm Sewer System (MS4), Virginia Pollutant Discharge Elimination System (VPDES) Permit, VA0088650 (effective July 1, 2016), to monitor and control pollutants in storm water discharges from City storm water conveyances. As outlined in Part I.B.2.i of the MS4 permit, the City is required to identify all City-owned high priority municipal facilities that have a high potential of discharging pollutants.

High priority municipal facilities are defined as those municipal yards that are owned and operated by the City which includes composting facilities, equipment storage and maintenance facilities, materials storage yards, pesticide storage facilities, public works yards, recycling facilities, salt storage facilities, solid waste handling and transfer facilities, and vehicle storage maintenance yards. A comprehensive analysis was conducted in Spring 2017 by the Department of Public Works, Division of Environmental Storm Water Management staff, to identify City-owned high-priority facilities that may require a separate VPDES industrial stormwater permit and/or a storm water pollution prevention plan (SWPPP). The analysis completed utilized a GIS table-top exercise, field verification, and Storm Water environmental staff professional knowledge of City operations. The initial list will be better refined throughout the 5-year permit term as comprehensive site evaluations are conducted and SWPPPs are developed.

High Priority Municipal Facility Analysis:

Facility parcel information was obtained from a layer within the City's GIS to locate all City-owned properties. The table-top analysis utilized the 2016 aerial photography to visually inspect each City-owned parcel. Specific parcel categories were excluded from the analysis, including vacant lots, office buildings, parking lots, streets, and sidewalks. During this exercise, a list of parcels that required additional field verification based on the nature of their business was compiled.

Initial field assessments of city facilities included public works yards, utilities yards, parks & forestry yards, facility maintenance, fleet maintenance, public schools, libraries, community centers, police stations, and fire stations. During the field assessment, the areas were inspected for the presence of equipment and/or material storage, outdoor stockpiles, bulk waste containers, above ground chemical storage tanks, and any other obvious pollution sources from standard operations. Table 1 outlines the facilities inspected, date inspected, and initial assessment as to whether it meets the requirements for the development of a SWPPP.

Table 1: City-owned Parcel Assessment for SWPPP Development

Site Name	Site Address	Date Assessed	High Priority SWPPP Requirement (Yes/No)
Facilities Management	2840 Dana Street	9/21/2016	Yes
Fleet Maintenance	1188 Lance Road	9/21/2016	Yes

Parks and Urban Forestry	2839 Dana Street	1/30/2017	Yes
Public Works Combined Ops	2233 McKann Avenue	N/A - VDPES Permit; SWPPP Already Developed	Yes
Public Works Waste Management	1176 Pineridge Road	N/A - VDPES Permit; SWPPP Already Developed	Yes
School Transportation Services	5555 Raby Road	9/23/2016	Yes
Utilities - Wastewater Combined Operations	1316 Ballentine Road	9/12/2016	Yes
Utilities Water Treatment - 37th Street	3719 Parker Avenue	9/20/2016	Yes
Utilities Water Treatment - Moores Bridges	6040 Water Works Road	9/21/2016	Yes
1st Precinct/Investigations/Records/EOC	3661 E Virginia Beach Blvd	9/8/2016	No
2nd Precinct / Training	2500 N Military Hwy	9/8/2016	No
Admin, environmental, lab and medical	830 South Hampton Ave	1/13/2017	No
Animal Management Center	5585 Sabre Road	8/26/2016	No
Attucks Theatre	1010 Church Street	8/18/2016	No
Azalea Gardens Middle School	7721 Azalea Garden Road	8/1/2016	No
Barrad Park	1136 Vista Street	8/18/2016	No
Barron F Black Branch Library	6700 E Tanners Creek Drive	8/2/2016	No
Bayview Elementary + Rec center	1434 E Bayview Blvd	8/1/2016	No
Berkley Campostella Early Childhood Center	1530 Cypress Street	8/31/2016	No
Berkley Community Park	903 South Main Street	8/26/2016	No
Blyden Branch Library	879 E Princess Anne Road	8/18/2016	No
Booker T Washington High School	111 Park Avenue	8/4/2016	No
Calcott Elementary School	137 E Westmont Ave	7/28/2016	No
Calvert Square early Childhood Center	975 Bagnale Road	8/23/2016	No
Camp Allen Elementary School	501 C Street	8/8/2016	No
Campostella Center	1130 Leake Street	8/16/2016	No
Campostella Elementary School	1106 Campostella Road	7/27/2016	No
Chesterfield Academy	2915 Westminster Ave	8/8/2016	No

Coleman Place Elementary School	2445 Palmyra Street	8/3/2016	No
Coronado School (Open campus)	1025 Widgeon Road	8/22/2016	No
Crossroads Rec Center + ES	7020 Tidewater Drive	8/5/2016	No
Diggs Town Park	1401 Melon Street	8/31/2016	No
Dream Keepers Academy-old building	2600 E Princess Anne Ave	8/4/2016	No
East Ocean View Community Center	9520 20th Bay Street	8/1/2016	No
Easton Preschool	6045 Curlew Drive	8/30/2016	No
Fairlawn Elementary School	1132 Wade Street	8/8/2016	No
Fairlawn Rec Center	1014 Kempsville Road	8/8/2016	No
Fire Station 1	736 Cecelia Street	8/23/2016	No
Fire Station 10	4100 E Virginia Beach Blvd	8/30/2016	No
Fire Station 11	3127 Verdun Court	8/18/2016	No
Fire Station 12	1650 W Little Creek Road	8/18/2016	No
Fire Station 13	176 Maple Avenue	8/26/2016	No
Fire Station 14	1460 Norview Ave	8/18/2016	No
Fire Station 16	7924 Camelia Road	8/22/2016	No
Fire Station 2	2501 Church Street	8/30/2016	No
Fire Station 7	1211 W 43rd Street	8/18/2016	No
Fire Station 9 and Training Center	115 Thole Street	8/22/2016	No
Fred Huette Center	1000 Botetourt Gardens	1/13/2017	No
Ghent Elementary School	200 Shirley Ave	8/8/2016	No
Granby Elementary School	7101 Newport Ave	8/5/2016	No
Granby High School	7101 Granby Street	8/5/2016	No
Granby Municipal Building	400 Granby Street	1/13/2017	No
Harrison Opera House	160 W Virginia Beach Blvd	1/13/2017	No
Horace C Downing Branch Library	555 E Liberty Street	8/26/2016	No
Human Services	741 Monticello Ave	1/13/2017	No
Huntersville Community Center	880 Goff Street	7/27/2016	No
Ingleside Elementary School	976 Ingleside Road	8/4/2016	No
Ingleside Rec Center	940 Ingleside Road	8/4/2016	No
Jacox Elementary School	1300 Marshall Ave	8/4/2016	No
James Blair Middle School	730 Spotswood Ave	8/8/2016	No
James Monroe Elementary	520 W 29th Street	8/9/2016	No
Janaf Branch Library	5900 E Virginia Beach Blvd	8/29/2016	No
Jordan-Newby Branch Library	961 Park Ave	8/4/2016	No

Lafayette Branch Library	1610 Cromwell Drive	8/3/2016	No
Lafayette Winona Middle School	1701 Alsace Ave	8/3/2016	No
Lake Taylor High School	1380 Kempsville Road	8/8/2016	No
Lake Taylor Middle School	1380 Kempsville Road	8/8/2016	No
Lake Taylor Transitional Care Hospital School	1309 Kempsville Road	8/29/2016	No
Lakewood Park and Athletics	1600 Willow Wood Drive	8/3/2016	No
Lamberts Point Community Center	1251 W 42nd Street	8/12/2016	No
Larchmont Branch Library	6525 Hampton Blvd	8/12/2016	No
Larchmont Elementary + Rec Center	1145 Bulling Ave	8/9/2016	No
Larrymore Elementary School	7600 Halprin Drive	8/9/2016	No
Lindenwood Elementary School	2700 Ludlow	7/27/2016	No
Little Creek Branch Library	7853 Tarpon Place	8/1/2016	No
Little Creek Elementary School	7900 Tarpon Place	8/1/2016	No
Louise W Eggleston Center	1161 Ingleside Road	Noncity Facility	No
Madison Career Center	3700 Bowden Ferry Road	8/18/2016	No
Mary D Pretlow Branch Library	9640 Granby Street	7/28/2016	No
Meadowbrook Building + ES	7620 Shirland Ave	8/15/2016	No
Merrimac Landing Rec Center	8809 Monitor Way	7/28/2016	No
Maury High School	322 Shirley Ave	8/8/2016	No
Norfolk Fitness and Wellness Center	7300 Newport Ave	8/15/2016	No
Norfolk Juvenile Detention Center / Home School	1260 Security Lane	8/15/2016	No
Norfolk Skills Center	922 W 21st Street	CLOSED 2009	No
Norfolk Technical Vocation Center	1330 N Military Highway	8/29/2016	No
Northside Community Center	8400 Tidewater Drive	8/1/2016	No
Northside Middle School	180 E Evans Street	7/28/2016	No
Norview ES and Rec Center	6380 Sewells Point RD	8/2/2016	No
Norview High School	6501 Chesapeake Blvd	8/2/2016	No
Norview Middle School	6325 Sewells Point Road	8/3/2016	No
NTVC Annex	1320 N Military Highway	8/29/2016	No
Oakwood Elementary School (abandoned?)	900 Ashbury Ave	8/22/2016	No
Ocean View Elementary School	9501 Mason Creek Road	being rebuilt	No

Oceanair Elementary School	600 Dudley Ave	8/1/2016	No
P.B. Young Elementary School	543 E Olney Road	8/13/2016	No
Park Place Community Center	606 West 29th Street	8/12/2016	No
Poplar Hall Elementary School	5523 Pebble Lane	8/8/2016	No
Richard Bowling Elementary School-old building soon to be SECEP	2861 E Princess Anne Road	8/5/2016	No
Public Works Salt Dome	7658 Central Business Park Drive	9/21/2016	No
Ruffner Middle School	610 May Ave	7/27/2016	No
Sarah Constant Shrine and Beach	324 W Ocean View Ave		No
SECEP Administrative Offices	6160 Kempsville Circle Ste 300B	8/30/2016	No
Sewells Point Elementary School	7928 Hampton Blvd	8/9/2016	No
Sherwood Forest Community Center	4537 Little John Drive	8/3/2016	No
Sherwood Forest Elementary School	3035 Sherwod Forest Lane	8/3/2016	No
Slover Library	235 E Plume Street	1/13/2017	No
St. Helena Elementary School	903 S Main Street	8/9/2016	No
St. Mary's home for disabled children	6171 Kempsville Circle	8/30/2016	No
Station 15	1425 Fisherman's Road	8/22/2016	No
Station 4	5909 Poplar Hall Drive	8/30/2016	No
Station 6	714 Pembroke Ave	1/13/2017	No
Station 8	526 Frederick Street	8/16/2016	No
Stuart Early Childhood Center	446 Virginia Ave	CLOSED	No
Suburban Park Elementary School	310 Thole Street	8/5/2016	No
Tanners Creek Elementary School	1335 Longdale Drive	8/2/2016	No
Tarrallton ES + Rec Center	2080 Tarrallton Drive	8/1/2016	No
Tarrallton Park		8/1/2016	No
Tidewater Park Elementary School	1045 E Brambleton Ave	7/27/2016	No
Titustown Rec Center	7545 Diven Street	8/15/2016	No
Van Wyck Branch Library	1368 Debree Ave	1/13/2017	No
Vivian Mason Center	700 E Olney Road	8/23/2016	No
W.H Taylor Elementary School	1122 W Princess Anne Road	8/9/2016	No
Wells Theatre	108 E Tazewell Street	1/13/2017	No

Willard Model School	1511 Willow Wood Drive	8/3/2016	No
Willoughby Elementary School	9500 4th View Street	7/28/2016	No
Young Terrace Community Center	804 Whitaker Lane	8/23/2016	No
Youth Resource Center	501 Boush Street	1/13/2017	No

Conclusion:

Through this process, the following nine facilities have been identified to meet the high priority municipal facility definition. VDPES Industrial permits and SWPPPS have previously been obtained for two of the facilities as outlined in Table 2. The additional seven facilities will be assessed for separate VDPES industrial permit coverage and SWPPPs developed outlined in Table 3.

Table 2: VDPES Industrial Permits Obtained with Corresponding SWPPPs:

Site Name	Site Address	VDPES Permit #	FINAL SWPPP Date
Public Works Combined Ops	2233 McKann Avenue	VAR051796	11/2008
Public Works Waste Management	1176 Pineridge Road	VAR052006	8/2010

Table 3: Municipal Facilities Requiring Further Assessment and SWPPPs:

Site Name	Site Address	FINAL SWPPP Date	Comments
Facilities Management	2840 Dana Street	6/2017	None
Fleet Maintenance	1188 Lance Road	6/2017	None
Parks and Urban Forestry	2839 Dana Street	6/2017	None
School Transportation Services	5555 Raby Road	6/2017	None
Utilities - Wastewater Combined Operations	1316 Ballentine Road	6/2017	None
Utilities Water Treatment - 37th Street	3719 Parker Avenue	6/2017	None
Utilities Water Treatment - Moores Bridges	6040 Water Works Road	6/2017	None

Storm Drain Medallion Marking Project

City of Norfolk

Introduction:

The City of Norfolk (City) is required to follow the City's Municipal Separate Storm Sewer System (MS4), Virginia Pollutant Discharge Elimination System (VPDES) Permit, VA0088650 (effective July 1, 2016). Part I.B.2.i of the MS4 Permit requires the City to install and maintain markings on all stormwater inlets on City-owned properties that have greater than 2-acres of impervious surface.

Facilities that were marked included all high priority municipal facilities, public schools, vacant land, Norfolk parks and golf courses, cemeteries, museums, and libraries.

Stormwater Inlet Marking Analysis:

To obtain the most accurate data, the Environmental and GIS teams worked together to ensure that this project was carried out successfully. Through GIS, staff was able to obtain up-to-date maps of all the locations that fit the criteria of being a City-owned parcel having greater than 2-acres of impervious area. Stormwater GIS staff used data from the Departments of Real Estate, Storm Water, and Planning to preprocess the data through a GIS exercise using the following steps:

1. GIS layers collected - Storm Water's Green Infrastructure data, structures, and parcels, as well as multiple codes from the Real Estate GIS Layer that exhibited City-owned parcels.
2. An analysis was completed using the Spatial Analysis Tool within the Zonal tab, followed by the Tabulate Area function.
3. A new Parcel layer was then created that showed all City of Norfolk owned Parcels that had 2 acres or more of impervious area, as well as the structures on these parcels.
4. Once staff had the data of parcels that met the criteria of being City-owned and greater than 2-acres of impervious acres were selected, a list of parcels was prepared, and maps were created.

Stormwater infrastructure was clearly defined for staff to easily access and identify areas that required marking. Initially all structures, regardless of being a catch basin or drop inlet were marked with a medallion that was hammer drilled in place for durability. In the table below, all the sites are listed with a description of the property and medallion installation date. The catch basins were evaluated by staff for the installation of permanent catch basin lids with the imprint "Dump No Waste" and "Drains To Waterway." Three hundred (300) catch basin lids were ordered and over several weeks, staff coordinated using GIS maps and previous knowledge of the sites to install these catch basin lids. These locations currently have a medallion installed, as well as a catch basin lid for long-lasting durability.

	Medallion Project			
Address	**Description**	**Comments**	**Medallion Installed Date**	**Catch basin lid installed**
9500 4th View St	613 Norfolk City Schools	7 medallions installed	2/4/2021	4 lids installed 7/15/2021
1600 Saint Julian Av	610 Norfolk Vacant Land	1 medallion installed	4/2/2021	0 catch basins
3586 Mississippi Av	610 Norfolk Vacant Land	4 medallions installed	4/2/2021	0 catch basins
2400 Berkley Avenue Ex	610 Norfolk Vacant Land	3 medallions installed	4/5/2021	0 catch basins
3310 Miller Store Rd	610 Norfolk Vacant Land	Land is no longer owned by the City of Norfolk/housing development Osprey Watch	N/A	0 catch basins
7447 Central Business Park Dr	611 Norfolk General Municipal	4 medallions installed	3/17/2021	0 catch basins
1501 Pritchard St	611 Norfolk General Municipal	5 medallions installed	3/5/2021	0 catch basins
201 E Brambleton Av	611 Norfolk General Municipal	No medallions installed- found no structures during inspection	3/3/2021	0 catch basins
7658 Central Business Park Dr	611 Norfolk General Municipal	2 medallions installed	3/25/2021	0 catch basins
545 Market St	611 Norfolk General Municipal	4 medallions installed	3/4/2021	0 installed. Verified 6/30/2021
1000 Monticello Ave	611 Norfolk General Municipal	10 medallions installed	3/12/2021	12 lids installed 6/24/2021
101 Park Av	611 Norfolk General Municipal	5 medallions installed	3/3/2021	3 installed 06/24/2021
140 Park Av- Harbor Park	611 Norfolk General Municipal	22 medallions installed	3/3/2021	21 installed 7/1/2021

966 Bellmore Av	611 Norfolk General Municipal	6 medallions installed	3/4/2021	0 installed. Verified 6/30/2021
800 E City Hall Av	611 Norfolk General Municipal	9 medallions installed	3/4/2021	2 installed 6/29/2021
3661 E Virginia Beach Blvd	611 Norfolk General Municipal	6 medallions installed	3/5/2021	0 catch basins
3700 Powhatan Av	611 Norfolk General Municipal	5 medallions installed	3/8/2021	0 catch basins
434 Saint Pauls Blvd	611 Norfolk General Municipal	3 medallions installed	3/4/2021	2 installed 6/25/2021
160 W Virginia Beach Blvd	611 Norfolk General Municipal	9 medallions installed	3/5/2021	8 installed 6/30/2021
1100 Monticello Av	611 Norfolk General Municipal	2 medallions installed	3/17/2021	12 installed 06/24/2021
5583 Raby Rd	611 Norfolk General Municipal	5 medallions installed	3/12/2021	0 installed. Verified 6/23/2021
1188 Lance Rd	611 Norfolk General Municipal	8 medallions installed	3/17/2021	1 installed 6/23/2021
2500 N Military Hwy	611 Norfolk General Municipal	22 medallions installed	3/8/2021	0 catch basins
4012 Bowdens Ferry Rd	611 Norfolk General Municipal	17 medallions installed	3/17/2021	10 installed 6/25/2021
901 Asbury Av	611 Norfolk General Municipal	14 medallions installed	3/8/2021	14 installed 6/25/2021
140 Park Av	611 Norfolk General Municipal	26 medallions installed	3/3/2021	21 lids installed 6/29/2021
1260 Child Care Ct	611 Norfolk General Municipal	22 medallions installed	3/5/2021	12 installed 6/29/2021
2839 Dana St	611 Norfolk General Municipal	7 medallions installed	3/25/2021	1 installed 6/23/2021

1316 Ballentine Blvd	611 Norfolk General Municipal	23 medallions installed	3/15/2021	5 lids installed 6/23/2021
811 E City Hall Av	611 Norfolk General Municipal	11 medallions installed	3/25/2021	2 installed 6/30/2021
810 Union St	611 Norfolk General Municipal	12 medallions installed	3/4/2021	0 lids installed.
2233 McKann Ave	611 Norfolk General Municipal	5 medallions installed	12/11/2020	0 lids installed.
1309 Kempsville Rd	611 Norfolk General Municipal	17 medallions installed	3/5/2021	6 installed 6/29/2021
435 Virginia Ave	613 Norfolk City Schools	No medallions installed- found no structures during inspection	1/21/2021	0 lids installed.
310 Thole St	613 Norfolk City Schools	3 medallions installed	1/21/2021	2 lids installed 7/14/2021
5523 Pebble La	613 Norfolk City Schools	No medallions installed- found no structures during inspection	2/3/2021	0 lids installed.
1335 Longdale Dr	613 Norfolk City Schools	2 medallions installed	1/27/2021	*Catch basins to be installed before end of 2021.
8720 Granby St	613 Norfolk City Schools	1 medallion installed	2/3/2021	0 lids installed.
3035 Sherwood Forest La	613 Norfolk City Schools	6 medallions installed	1/29/2021	*Catch basins to be installed before end of 2021.
610 May Av	613 Norfolk City Schools	10 medallions installed	1/27/2021	7 lids installed 7/15/2021
7928 Hampton Blvd	613 Norfolk City Schools	8 medallions installed	4/13/2021	7 lids installed 7/13/2021
2350 Berkley Avenue Ex	613 Norfolk City Schools	1 medallion installed	2/1/2021	0 catch basins

1434 E Bayview Blvd	613 Norfolk City Schools	11 medallions installed	2/3/2021	1 lid installed 7/28/2021
7101 Newport Av	613 Norfolk City Schools	No medallions installed- found no structures during inspection	2/4/2021	0 lids installed. Verified.
7600 Halprin Dr	613 Norfolk City Schools	1 medallion installed	2/8/2021	0 catch basins
1511 Willow Wood Dr	613 Norfolk City Schools	2 medallions installed	2/3/2021	2 lids installed 7/26/2021
1122 W Princess Anne Rd	613 Norfolk City Schools	3 medallions installed	1/27/2021	0 lids installed.
8021 Old Ocean View Rd	613 Norfolk City Schools	8 medallions installed	1/27/2021	7 lids installed 7/14/2021
600 Dudley Av	613 Norfolk City Schools	7 medallions installed	1/21/2021	1 lid installed 7/14/2021
6501 Chesapeake Blvd	613 Norfolk City Schools	49 medallions installed	2/8/2021	1 lid installed 7/28/2021
7721 Azalea Garden Rd	613 Norfolk City Schools	8 medallions installed. 2 DI's located behind fence on Dominion property.	1/27/2021	0 lids installed due to lids being too big.
976 Ingleside Rd	613 Norfolk City Schools	8 medallions installed	2/1/2021	0 lids installed.
1132 Wade St	613 Norfolk City Schools	16 medallions installed	2/4/2021	2 lids installed 7/27/2021
7900 Tarpon Pl	613 Norfolk City Schools	9 medallions installed	1/29/2021	0 lids installed.
543 E Olney Rd	613 Norfolk City Schools	15 medallions installed	2/25/2021	5 lids installed 7/23/2021
200 Shirley Av	613 Norfolk City Schools	19 medallions installed	1/21/2021	2 lids installed 7/14/2021
1106 Campostella Rd	613 Norfolk City Schools	12 medallions installed	2/22/2021	*Catch basins to be installed before end of 2021.

730 Spotswood Av	613 Norfolk City Schools	9 medallions installed	1/21/2021	0 lids installed.
7101 Granby St	613 Norfolk City Schools	11 medallions installed	2/1/2021	2 installed 7/14/2021
2450 Rush St	613 Norfolk City Schools	17 medallions installed	2/22/2021	*Catch basins to be installed before end of 2021.
1651 43rd St	613 Norfolk City Schools	14 medallions installed	5/18/2021	0 lids installed.
1330 Branch Rd	613 Norfolk City Schools	15 medallions installed	1/20/2021	3 lids installed 7/14/2021
1145 Bolling Av	613 Norfolk City Schools	10 medallions installed	2/1/2021	8 lids installed 7/13/2021
1330 N Military Hwy	613 Norfolk City Schools	13 medallions installed	2/9/2021	5 lids installed 7/15/2021
6325 Sewells Point Rd	613 Norfolk City Schools	18 medallions installed	2/23/2021	14 lids installed 7/26/2021
1425 Norchester Av	613 Norfolk City Schools	13 medallions installed	2/23/2021	12 lids installed 7/26/2021
1380 Kempsville Rd	613 Norfolk City Schools	31 medallions installed-20 catch basins	2/2/2021	26 lids installed 7/28/2021
6401 Chesapeake Blvd	613 Norfolk City Schools	17 medallions installed	2/22/2021	4 lids installed 7/23/2021
1111 Park Ave	613 Norfolk City Schools	43 medallions installed	2/24/2021	16 lids installed 7/27/2021
238 E Princess Anne Rd	614 Norfolk Cemeteries	31 medallions installed	3/31/2021	0 catch basins
4301 Powhatan Avenue A	615 Norfolk Parks, Golf Course	11 medallions installed	4/27/2021	0 lids installed. Verified 6/30/2021.

1136 Vista St	615 Norfolk Parks, Golf Course	No medallions installed-found no structures during inspection	4/16/2021	0 catch basins
100 W Ocean View Avenue	615 Norfolk Parks, Golf Course	8 medallions installed	4/12/2021	0 catch basins
700 E Ocean View Av	615 Norfolk Parks, Golf Course	2 medallions installed	4/12/2021	0 catch basins
4301 Powhatan Avenue B	615 Norfolk Parks, Golf Course	No medallions installed-found no structures during inspection	4/27/2021	0 catch basins
1147 Pineridge Rd	615 Norfolk Parks, Golf Course	2 medallions installed	4/13/2021	0 catch basins
1599 Premium Outlets Blvd	615 Norfolk Parks, Golf Course	No medallions installed-found no structures during inspection	4/16/2021	0 catch basins
430 Washington Park	615 Norfolk Parks, Golf Course	14 medallions installed	4/12/2021	2 lids installed 6/30/3021
6700 Azalea Garden Rd	615 Norfolk Parks, Golf Course	19 medallions installed	4/16/2021	6 lids installed 7/13/2021
3500 Granby St	615 Norfolk Parks, Golf Course	39 medallions installed	5/4/2021	0 catch basins
2719 Parker Av	616 Norfolk Solid Waste Disp	No medallions installed-found no structures during inspection	5/14/2021	0 catch basins
1176 Pineridge Rd	616 Norfolk Solid Waste Disp	4 medallions installed	3/29/2021	3 installed 6/23/2021
1 Waterside Dr	617 Norfolk Museums	3 medallions installed	5/5/2021	1 installed 6/23/2021
1 Memorial Pl	617 Norfolk Museums	5 medallions installed	5/5/2021	4 installed 6/23/2021
6040 Water Works Rd	618 Norfolk Water Distribution	30 medallions installed	3/30/2021	1 installed 6/23/2021
606 W 29th St	619 Norfolk Libraries	1 medallion installed	5/18/2021	0 catch basins

Totals	
Medallions	875
Catch Basin lids	280

KEY	
Parcels	**# of Parcels**
Norfolk Public Schools	37
Vacant Land	4
Municipal	26
Norfolk Parks/ Golf Course	10
Other	7
Total	84
Total with out schools	47

City staff prepares area for medallions to be installed with hammer drill and adhesive.

Installed medallion and catch basin lids.

THE CITY OF NORFOLK
CITY PLANNING

Mobile Car Wash/Detailing
Requirements for Business License
(revised 04/06/18)

The following is our policy regarding individuals requesting a business license to operate a mobile car detailing and/or washing service:

1. Applicant must contact and meet with Natiara Satsatin in Storm Water Management (823-4010). Address:

   2233 McKann Avenue
   Norfolk, VA 23509

2. Natiara will review the applicant's equipment and wastewater runoff system and determine if it is sufficient. If it is, Natiara will provide a letter/form to the applicant indicating that they are in compliance with Storm Water requirements.

3. Any person wishing to obtain a business license for mobile car wash/detailing MUST have this letter/form from Natiara to be approved prior to obtaining a business license.

4. The applicant may operate from:
   a. Their home as a home occupation subject to meeting all the necessary zoning requirements.
   b. They may also operation from a commercial or industrial location subject to a valid lease.
   c. Operation from a storage unit with a valid lease is also an option.

5. No more than two (2) vehicles shall ever be serviced at any one (1) location per day.

City of Norfolk
Department of City Planning
Zoning Services Division
Phone: (757) 664-4752 Fax: (757) 441-1569

City of Norfolk
Department of Public Works
Division of Environmental Storm Water Management

Mobile Car Wash Application

Name of Business: _____

Owner Name: _____

Mailing Address: _____

_____

Phone Number: _____

I have read and understand Sec. 41.1-4, Pollution of the Stormwater system, of the Norfolk City Code. I also understand that a violation of this section of code is a Class I Misdemeanor. In addition, I have received and agree to read the storm water information packet.

If ANY of the information on this form changes, a new application must be submitted within 10 days of the change.

_____ _____
Owner Sign Date

_____ _____
Witness Sign Date

Please feel free to contact this division at, (757) 823-4000, between 7am and 3:30pm, Monday through Friday, if you have any questions.

NORFOLK

Department of Public Works, Field Engineering & Environmental Management

Mobile Car Wash and Automotive Detailing Facilities

Dear Owner:

As a licensed business owner, it is your responsibility to read and understand the City Codes that may affect your business practices. We want to provide you with some educational material to ensure you avoid possible violations related with pollution of the storm water system.

While performing operations associated with mobile car washing or automotive detailing, please ensure that all rinse water is maintained on site, either through collection and discharge into a sanitary sewer system or infiltration into the ground. Functioning as a commercial entity, you are not authorized to discharge rinse water to the stormwater system; there are no exemptions. Absolutely nothing associated with vehicle washing may be discharged into the street or storm water system. This includes "clean" rinse water not containing detergents, and materials that are considered "Bio-Degradable" and "Environmentally Friendly."

Provided is a copy of the City code, Chapter 41.1, *Storm Water Management*, for your review. Section 41.1-4(c) of the code states that it is unlawful to discharge commercial rinse water into the City's storm water system, including streets, ditches, etc. unless permitted to do so by the Department of Environmental Quality. A violation of this code is a class 1 misdemeanor with a maximum penalty of $2500/day and/or up to 1 year in jail.

Also provided is a brochure, *Remember You Are Not Just Washing a Car...*, that provides additional detail. If you have specific questions regarding this letter or requirements associated with your business, please feel free to contact the Environmental Management staff Monday through Friday 7:00am-3:30pm at 757-823-4000. Thank you for your assistance in this matter.

Sincerely,

Casey Magruder
Environmental Program Administrator

Cc: File

City of Norfolk Public Education/Outreach - FY2022

Event Type	Event Location	Event Description	Presenter	Start Date	End Date	Total # Hours	Number Attending
Public Outreach	Virtual - WebEx	Wards Corner Public Meeting	Michelle Williams/John White/Justin Shafer	07/12/2021		2.0	25
Public Outreach	Citywide	HRUBS Insert - Grass Clippings	Michelle Williams	07/01/2021			20,000
Public Outreach	News Channel 13	Storm Prep	Michelle Williams	07/07/2021	07/08/2021		
Public Outreach	Social Media	PSA Video - Put Litter In Its Place; Only Rain Down the Storm Drain	Michelle Williams/KNB	07/08/2021			
Public Outreach	Social Media	PSA Video - Where the Poop Ends Up	Michelle Williams	07/21/2021			
Public Outreach	Citywide	HRUBS Insert - Hurricane Preparedness	Michelle Williams	09/01/2021	09/30/2021		20,000
Community Events	Lakewood Park	Neighborhood Expo	Michelle Williams	09/11/2021	09/11/2021	5.0	150
Civic League Mtg	Azalea Acres/Azalea Lakes	Civic League Meeting	Michelle Williams	09/13/2021	09/13/2021	1.0	30
Public Outreach	Citywide	HRUBS ENewsletter Hurricane Preparedness	Michelle Williams	09/15/2021	09/30/2021		18,000
Public Outreach	Tanners Creek East	Civic League Signs - Street Sweeping	Michelle Williams	09/17/2021			
Public Outreach	City of Norfolk - Next Door (all neighborhoods)	Pet Waste Station Ad	Michelle Williams	09/24/2021			80,000
Public Outreach	Citywide - Facebook	Facebook Post - Adopt a Pet Waste Stations	Michelle Williams	09/30/2021			
Community Events	Lafayette Park	Arbor Day	Michelle Williams	10/02/2021	10/02/2021		150
Public Outreach	Keep Norfolk Beautiful Facebook & Newsletter	Facebook Post - Adopt a Pet Waste Stations	Michelle Williams	10/01/2021			
Public Outreach	Ingleside Civic League	Civic League Handouts	Michelle Williams	10/15/2021			1,000
Public Outreach	WAVY TV 10	Hampton Roads Show Fall leaves TV spot	Michelle Williams	10/08/2021		1.0	
Community Events	Suffolk Peanut Festival	AskHRgreen trailer Stormwater group	Michelle Williams	10/08/2021		4.0	
Civic League Mtg	East Ocean View	East Ocean View	John White	08/31/2021	08/31/2021	1.0	
Civic League Mtg	Ocean View	Ocean View Advisory Committee	John White	09/09/2021	09/09/2021	1.0	
Civic League Mtg	Virtual	13th & 14th Bay Street Drainage	John White	10/27/2021	10/27/2021	1.0	
Civic League Mtg	Virtual	Denby Park Civic League	John White	12/07/2021	12/07/2021	1.0	
Civic League Mtg	Virtual	Ocean View Advisory Committee	John White	12/09/2021	12/09/2021	1.0	
Public Outreach	Scope Arena	Norfolk Admirals Pucks & Paws Hockey Game	Michelle Williams/Norfolk Admirals	12/18/2021	12/18/2021	3.0	2,500
Public Outreach	Ingleside Civic League	Ingleside Civic League Neighborhood Membership Drive	Michelle Williams	11/01/2021			1,000
Civic League Mtg	Woodbine	Woodbine Civic League Meeting	Eric Berger	11/17/2021	11/17/2021	1.0	15
Public Outreach	The Virginian Pilot	Media Story - Newspaper Interview/Social Media Story	Justin Shafer	11/28/2021			
Public Outreach	McCullough Paradise Garden Apartments	Street Sweeping Educational Material for distribution	Michelle Williams	01/04/2022			
Civic League Mtg	Virtual	Downtown Norfolk Council Downtown Floodwall	John White/Michelle Williams	01/12/2022	01/12/2022	1.0	45
Civic League Mtg	Virtual	Downtown Norfolk Civic League Downtown Floodwall Presentation	John White/Michelle Williams	01/17/2022	01/17/2022	1.0	40
Civic League Mtg	Blocker YMCA	Freemason Civic League	John White/Michelle Williams	01/19/2022	01/20/2022	1.5	27
Public Outreach	Citywide	Fall Leaves Outreach Campaign	Michelle Williams	10/19/2021	12/17/2021		30,265
Community Events	Five Points Park; Chesterfield Heights; Storm Water Office	Tree Adoption Events	Justin Shafer; Michelle Williams	10/23/2021	02/01/2022	10.0	300
Civic League Mtg	Aldersgate United Methodist Church	Elizabeth Park Civic League	Eric Berger	11/02/2021		1.0	21
Public Outreach	Hollywood Homes/Maple Hall Civic League	Only Rain Down the Storm Drain & Street Sweeping	Michelle Williams	02/25/2022		3.0	500
Public Outreach	503 Botetourt St.	Outreach to local business, Cure	Michelle Williams	02/25/2022		1.0	
Public Outreach	8300 Tidewater Dr.	The Federation of Garden Clubs of Norfolk	Michelle Williams	03/09/2022		1.0	25
Public Outreach	Bruce's Park Civic League	Block by Block Neighborhood Event	Michelle Williams	03/31/2022	04/03/2022		200
Schools	Jacox Elementary School	Career Day	Peter Mack	03/31/2022	03/31/2022	4.0	250
Civic League Mtg	New Life Worship Center	Poplar Hall Civic League	Justin Shafer	04/04/2022		2.0	30
Public Outreach	Prime Outlets	Earth Day	Michelle Williams	04/22/2022	04/22/2022	3.5	50
Schools	Jacox Elementary	Vehicle Day	Tim Green	04/28/2022	04/28/2022	3.5	500
Public Outreach	Facebook	Flooding/Storm Water Runoff Post	City Facebook	04/13/2022			
Civic League Mtg	Poplar Hall Elementary School	Poplar Hall Civic League	Justin Shafer	05/04/2022	05/04/2022	2.0	40
Civic League Mtg	Eggleston Center 110 LaValette Ave.	Colonial Place/Riverview Civic League	Justin Shafer	04/11/2022	04/11/2022	2.0	20
Civic League Mtg	Aldersgate United Methodist Church	River Forest Shores/Wayside Manor/Easton Place Civic League	Justin Shafer	05/09/2022	05/09/2022	2.0	20
Schools	Sewell's Point Elementary School	Career Day/Touch-A-Truck	Michelle Williams/Vactor Crew	06/09/2022	06/09/2022	3.0	250
Schools	Southside STEM Academy at Campostella	Career Day	Michelle Williams/ Vactor Truck/ Backhoe	06/13/2022	06/13/2022	3.0	250

askHRgreen.org

2021-2022

ANNUAL REPORT

EE22-1

HAMPTON ROADS PLANNING DISTRICT COMMISSION

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Steven Best
Debbie Ritter
Ella Ward
Christopher Price
Brian Solis

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Frank Rabil
Amanda Jarratt

GLOUCESTER COUNTY
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WILLIAMSBURG
Douglas Pons
Andrew Trivette

YORK COUNTY
Sheila Noll
Neil Morgan

Robert A. Crum, Jr., Executive Director / Secretary

EE22-01

Report Documentation

TITLE:
askHRgreen.org Annual Report for Fiscal Year 2021-2022

REPORT DATE
September 2022

GRANT/SPONSORING AGENCY
Local Funds

AUTHORS:
Katie Cullipher
Rebekah Eastep

ORGANIZATION NAME, ADDRESS AND TELEPHONE
Hampton Roads Planning District Commission
723 Woodlake Drive
Chesapeake, Virginia 23320
(757) 420-8300
www.hrpdcva.gov

ABSTRACT
The Hampton Roads Planning District Commission (HRPDC) is one of 21 Planning District Commissions in the Commonwealth of Virginia and is a regional organization representing the 17 local governments of the Hampton Roads area. This report provides an overview of the askHRgreen.org regional public outreach program and campaign results for fiscal year 2021-2022. It also provides an overview of the individual initiatives and results from each of the four askHRgreen.org environmental education committees: Recycling and Beautification, Stormwater Education, Water Awareness, and Fats, Oils & Grease Education.

ACKNOWLEDGEMENTS
This report was prepared by the HRPDC staff in cooperation with the member localities. Preparation of this report was included in the HRPDC Work Program for Fiscal Year 2022, approved by the Commission in May 2021.

About askHRgreen.org

Launched in 2011, askHRgreen.org is more than just a robust website; it is an award-winning comprehensive public outreach initiative. The program combines traditional and social media with grassroots outreach efforts to not only educate, but inspire residents of Hampton Roads to make changes that have a positive impact on the environment. By combining local expertise and leveraging economies of scale, the askHRgreen.org program is able to help local jurisdictions fulfill requirements of MS4 stormwater permits, groundwater withdrawal permits, and state consent orders to reduce sanitary sewer overflows. For citizens, it has become a "one-stop shop" to find answers, resources, and inspiration for a cleaner, greener Hampton Roads. From water-wise landscaping ideas and pointers for preventing water pollution to recycling tips and simple ways to prevent sewer overflows, all you have to do is askHRgreen.org.

Financial support for askHRgreen.org is made possible by the following member localities and agencies: the cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach and Williamsburg; the counties of Gloucester, Isle of Wight, James City, Southampton, Surry and York; the town of Smithfield and HRSD. Members of locality staff and HRSD comprise four askHRgreen.org committees who meet monthly to develop and implement the regional program.

Recycling and Beautification Committee *- A coalition of local government staff members from across Hampton Roads who are working together to share ideas and pool resources for various education programs tailored towards community beautification, litter prevention, waste reduction, and recycling education. This group has been working cooperatively since 1981.*

Fats, Oils, and Grease (FOG) Education Committee *- A coalition of local government staff members working together with HRSD to protect wastewater infrastructure, reduce sanitary sewer overflows, and improve local water quality. The committee shares both technical resources and educational strategies to prevent improper disposal of fats, oils, and grease. This cooperative effort has been underway since 2007 when 13 of the region's localities and HRSD entered into the Regional Special Order by Consent with the Virginia Department of Environmental Quality.*

Water Awareness Committee *- Regional public utilities staff members working together to educate citizens about aging infrastructure, the value of tap water, and the importance of water conservation. This cooperative effort to promote the vital role water plays in the quality of life of Hampton Roads and the need to conserve it assists localities in meeting requirements of various locality goals as well as water supply and ground water permit education requirements.*

Stormwater Education Committee *- A cooperative partnership of the region's 17 member jurisdictions which has served as a formal adjunct to the required public information component of the Virginia Pollution Discharge Elimination System Permits (VPDES) for Phase I and Phase II Municipal Separate Storm Sewer Systems (MS4) since 1997. Local government staff members work together to share ideas and pool resources for various education programs and outreach initiatives -tailored to stormwater pollution prevention.*

COVID-19

Impacts of the COVID-19 pandemic began to ease in FY22. Community events slowly returned but have not yet reached pre-COVID levels. Electronic communications such as social media and newsletters continued to be a great way to communicate with residents in the absence of community events. Despite the ongoing challenges of public education during the rebound from a global pandemic, the askHRgreen.org team members continued to work diligently to raise awareness and encourage environmental action in the 757.

2021-2022 at a Glance

20.8 million opportunities to see or hear about askHRgreen.org

144,282 visits to askHRgreen.org

Community events with over **119,000** people in attendance

BAY STAR PROGRAMS

3,688 homes

74 businesses

11,161 students impacted by **$9,378** in environmental education mini grants

Celebrated **10 YEARS** of askHRgreen.org

$16,000 grant funding for special projects

@askHRgreen	@askHRgreen	eNews Subscribers
2,989	563	6,772

Celebrating a Decade

For 10 years, askHRgreen.org has been a strong and reliable environmental resource. We've worked to help beautify our communities and improve and protect our waterways, infrastructure, and recycling activities through programs, tools, information, and inspiration.

Coastal Virginia Magazine

To mark our 10th anniversary, we reached out to a familiar community partner: CoVa Magazine. Not only did the magazine staff collaborate with askHRgreen.org from 2015 to 2018 in publishing a special insert called Green Living, they believe in our mission, and are in front of the many residents and visitors in all of Coastal Virginia. We ran three anniversary ads from September 2021 through February 2022, and had two editorials, as well as exposure in the September CoVa Home & Garden e-newsletter. Each of the three ads had four compelling questions that served as headlines, with each question serving one of our four committees. They were deliberately in the form of questions so we could position the answer: "Just askHRgreen.org."

Anniversary Video

We also marked this milestone by producing a commemorative video, recapping our successful outreach initiatives over the past ten years. The video was shared via social media. Here's a glimpse at some of the impact we've had:

- Coordinated 382 cleanups with the support of 5,084 volunteers clearing 229,900 pounds of litter
- Installed 2,000 storm drain medallions, reminding residents that only rain should go down the drain
- Installed 403 pet waste stations in 293 communities
- Awarded $95,879 in environmental education grants, impacting 57,128 students
- Distributed 52,000 Green Learning Guides to the region's 3rd and 6th grade students
- Attendance at 275 community events (with exposure to over 675,000 people) to talk to citizens about living greener
- Received $83,471 in grant funding to amplify our existing public outreach efforts

10-for-10 Tree Giveaway

In October, we celebrated by giving away 10 free Virginia native eastern redbud trees through an online drawing. Hampton Roads residents could enter by simply subscribing to the askHRgreen.org e-newsletter. This promotion was incredibly popular as the 7-gallon trees would make a lovely addition to anyone's yard or garden area. Not only were the trees beautiful, as native trees they're good for the environment. We're thrilled to have been able to add 10 native trees to the Hampton Roads landscape through this special promotion – one to commemorate every year of the askHRgreen.org program!

Level Up Challenge

In January, we invited folks to take their "green" game to a higher level by adopting some new best practices in the new year. From January until April, we challenged people to "Level Up" by reducing their waste, reusing whenever possible, and recycling more. We also suggested they consider adopting a storm drain, picking up litter or organizing a community cleanup, planting native plants, etc. Those who accepted the challenge were entered into a special grand prize drawing to win a Hampton Roads staycation package. One lucky winner scored big for the environment and for herself by receiving a gift card for $100 to Taste Unlimited and four tickets to each of these local attractions: Virginia Aquarium, Virginia Zoo, Ocean Breeze Waterpark, and Busch Gardens Williamsburg.

Green Star Teachers

Finally, we decided to cap off our anniversary year by celebrating local educators with our Green Star Teachers Awards. Nominations were collected in the fall and with the support of HRSD, 10 finalists were chosen in March and awarded $1,000 to use for future green-themed classroom projects.

The winning submissions included teachers from across the region who involved their students in planting community gardens, organizing school recycling programs, conducting field trips to the landfill, and planting trees on school grounds. One educator had students convert a stormwater pond into an outdoor classroom, while another worked with high school students in project-based engineering and conservation studies on a nearby urban farm. Here's a look at our Green Star Teachers and how they plan to put their grants to good use:

Tonya Bangley
Kings Fork High School
Suffolk

With her award funds, Ms. Bangley plans to build a greenhouse to grow native plants from seeds for the outdoor learning lab and educate the community about the importance of planting natives.

Crissie Crusemire
Academy for Discovery at Lakewood
Norfolk

Ms. Crusemire plans to use her funding to expand outdoor learning spaces and the community garden at Academy for Discovery at Lakewood.

Michele Ferrel
Kilgore Gifted Center
Hampton

With the grant award, Ms. Ferrel plans to host an environmental fair for her young learners who are investigating pollinators, gardens, the schoolyard pond, and much more.

Pamela Hall
Carrollton Elementary School
Isle of Wight County

Ms. Hall has taught her students about renewable energy and plans to use her award funds to help students incorporate wind and solar energy into their engineering projects.

Angela McElroy
Nansemond River High School
Suffolk

Ms. McElroy will use her grant funds to support her Oceanography students at their upcoming fair. Students will educate their peers through posters and games and distribute eco-friendly prizes like reusable shopping bags and straws.

Adrienne Sawyer
Chesapeake Public Schools

Ms. Sawyer will use the funding for sensors to conduct temperature audits and identify heat islands in one section of Chesapeake. Volunteers will then plant trees in identified areas to increase the tree canopy.

Charlie Morse
Williamsburg Community Growers
Williamsburg-James City County

Mr. Morse plans to use the funds to work with high school students on either a vermicomposting project for food waste from the school cafeteria or a solar power system for the teaching farm.

Kathleen (Kathy) Shambo
Southside STEM Academy at Campostella
Norfolk

Ms. Shambo plans to use grant funds to help jump-start the eco-club with native plantings, rain barrels, composting, and recycling bins for the school.

Melissa Powell-Riedl
Paul Burbank Elementary School
Hampton

Ms. Powell-Riedl plans to use the Green Star Award funds to increase the growing area of the school garden with more raised beds for vegetables in an outdoor classroom setting that is accessible to more students.

Jeannette Reynolds
Rosemont Elementary School
Virginia Beach

Ms. Reynolds will use her funds for "Fleury's Garden" – an authentic learning experience for over 400 kindergarten through fifth grade students at Rosemont Elementary School.

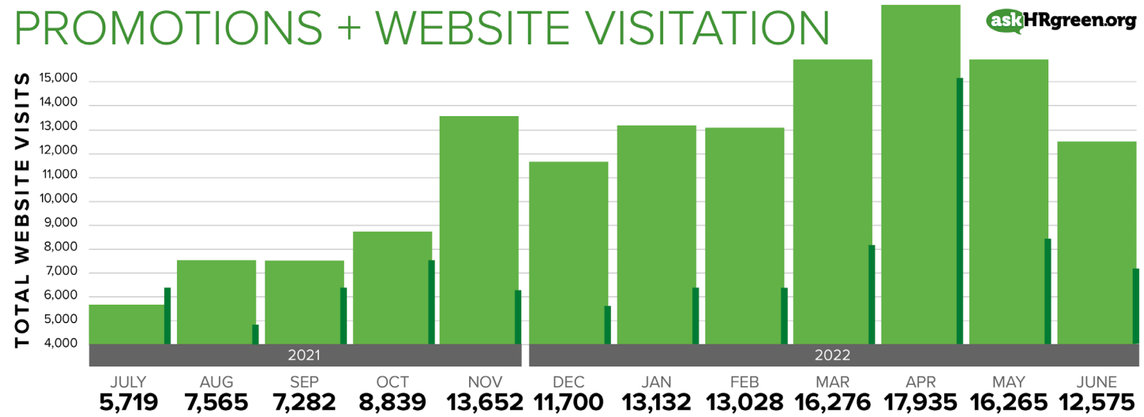
2021-2022 Media Campaign & Promotion Schedule

2021-2022 ACTIVITY CALENDAR

COMMITTEE	CAMPAIGN	MEDIA	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
R&B	Start Smart, Recycle Right	TV, PV, R, O, S		■	■	■								
STORMWATER	Lawn Care	TV, PV, R, O, S				■	■							
WATER AWARENESS	Imagine A Day Without Water	TV, R, O, S					■							
FOG	What Not To Flush-Beneath	TV,AT,PV,R,O,S					■							
FOG	Grease Grinch	TV, AT, R, O, S						■						
FOG	What Not To Flush-Chalkboard	TV, PV, R, O, S								■				
R&B	GAC/TU2CU	PR ONLY								■	■			
STORMWATER	Household Hazardous Waste	AT, O, S									■			
WATER AWARENESS	Fix-A-Leak	TV, AT, R, O, S										■		
STORMWATER	Pet Waste-In Your Yard	AT, O, S											■	
WATER AWARENESS	VOWW / Drinking Water Week	TV, AT, R, O, S											■	
ALL	askHRgreen.org 10th Anniversary	P			■	■	■	■	■	■	■			
ALL	askHRgreen.org Newsletters	E		■	■		■	■		■	■	■	■	■
ALL	Public Relations		■	■	■	■	■	■	■	■	■	■	■	■
ALL	Social Media Management		■	■	■	■	■	■	■	■	■	■	■	■
ALL	Search Engine Marketing		■	■	■	■	■	■	■	■	■	■	■	■
ALL	askHRgreen.org Blog Articles		■	■	■	■	■	■	■	■	■	■	■	■

MEDIA KEY / **TV** = Broadcast TV **AT** = Advanced TV **PV** = Preroll Video **R** = Radio **P** = Print **O** = Online **S** = Social Media **E** = Email **OD** = Outdoor

PROMOTIONS + WEBSITE VISITATION



Website Analytics

The askHRgreen.org website continues to be the cornerstone of our outreach efforts where campaign news and events are featured prominently and content is delivered seamlessly to users on all types of devices. In FY22, we saw a 62% increase in website traffic over FY21 and a 50% increase in webpage views. The majority of web traffic continues to be new visitors, demonstrating the growing awareness and effectiveness of our outreach efforts.

	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17
Visits	**144,282**	88,544	73,379	58,893	55,735	58,113
Unique Visitors	**130,929**	77,212	63,146	49,816	45,661	46,282
Pageviews	**188,867**	125,529	117,463	86,538	93,589	92,681
Pages per Visit	**1.31**	1.42	1.60	1.47	1.68	1.59
Average Visit Duration	**0:38**	0:55	1:02	1:03	1:27	1:12
Bounce Rate	**87%**	83%	79%	81%	77%	79%
% New Visits	**90%**	87%	86%	84%	81%	80%
Mobile Devices	**57%**	57%	58%	57%	54%	53%
Desktop Devices	**43%**	43%	42%	43%	46%	47%

Top Website Traffic Sources & Pages Visited

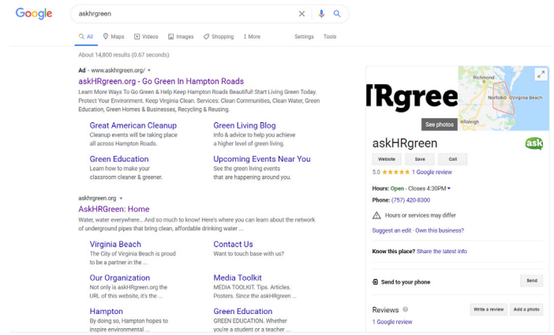
41.40% **Direct**
33.48% **Organic Search**
18.96% **Other (Paid Search)**
3.28% **Referral**
2.83% **Social**
0.02% **Email**

TOP TWENTY VISITED PAGES

3,442 Good to Know/Do: **Recycling Lookup - Virginia Beach**
2,317 Good to Know/Do: **Illegal Dumping**
1,923 Blog Article: **Disposable/Flushable diaper liners**
1,734 Blog Article: **The One Thing You Can't Live Without**
1,715 Blog Article: **Algae: Let's Get Rid of the Scum**
1,685 Good to Know/Do: **Single-Use Plastic**
1,483 Blog Article: **50 Ways to Celebrate Earth Day During Social Distancing**
1,367 Blog Article: **Easy Lesson Plans: Wastewater Treatment**
1,270 Good to Know/Do: **Recycling Lookup - Chesapeake**
1,122 **Home**
1,006 Good to Know/Do: **Recycling Lookup - Newport News**
953 Good to Know/Do: **Recycling Lookup - Hampton**
854 Blog Article: **You Can Prevent Street Flooding**
803 Campaign: **Choose to Refuse Singe-Use Plastic**
730 Good to Know/Do: **Conserving Water Outdoors**
634 **Events**
587 Blog Article: **How to Add Compost to Your Lawn**
580 Blog Article: **Keep Chemicals Out of the Waterway**
559 Good to Know/Do: **Recycling Lookup - Suffolk**

Search Engine Marketing

The askHRgreen.org Search Engine Marketing (SEM) program employs Google pay-per-click advertising to increase traffic to the website. By bidding on select keywords and phrases, our ads direct search traffic to relevant content on the askHRgreen.org website. In FY22, we had more than 274,000 Google search impressions. Those searches drove over 21,000 clicks to relevant content on the askHRgreen.org website – an increase of 35% compared to last year. This increase shows an improvement in the relevancy and efficiency of our search ad campaign. In August of 2020, Google introduced dynamic ads which use our own website content to generate targeted ads to relevant searches. This new feature has been highly successful in driving search traffic to the askHRgreen.org website with a phenomenal click thru rate of 16.8%. Dynamic ads help fill in the gaps of our keyword groups and deliver the most relevant askHRgreen.org information to audiences searching online.



Search Engine Marketing Results

	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17	
Impressions	**274,428**	376,459	342,690	210,695	169,140	107,920	
Clicks	**21,771**	16,103	12,449	11,087	7,330	4,226	**+35%**
Click Thru Rate (CTR)	**7.93%**	4.28%	3.63%	5.26%	4.33%	3.92%	**+85%**

Top 10 Keyword Ad Groups

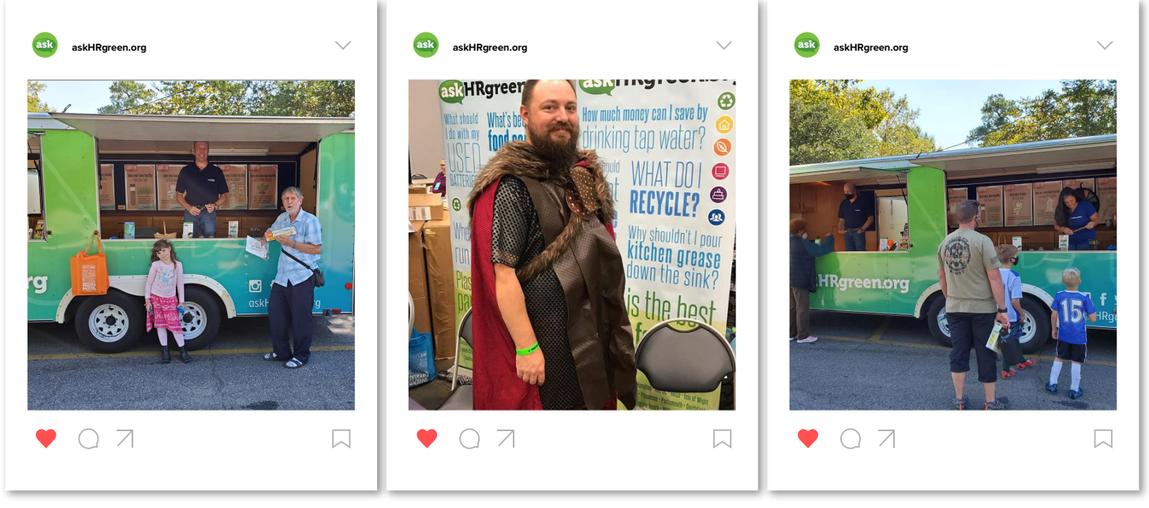
	Impressions	Clicks	Impression Share	Click Thru Rate
Dynamic Ads	36,463	6,123	87%	16.79%
Electronics Disposal	29,721	4,261	71%	14.34%
Recycling at Home	50,415	3,067	65%	6.08%
Native Plants	54,192	2,268	35%	4.19%
Lawn Care	41,207	1,761	66%	4.27%
Battery Disposal	10,374	1,256	80%	12.11%
Medication Disposal	7,452	1,201	84%	16.12%
askHRgreen General	1,978	463	71%	23.41%
Tap Water	13,920	387	64%	2.78%
Soil Testing	4,167	206	60%	4.94%

Community Outreach

Events

Events are an important part of public outreach and engagement for askHRgreen.org. The brand has become a sought-after addition to many community events and a recognizable participant for many event guests. These events are a primary source of signups for the Bay Star Homes program and the askHRgreen.org newsletter. In FY22, there was an increase in the number of events held as COVID-19 restrictions continued to ease. Only six events were held in FY21 while we ended FY22 with attendance at a total of 21 events. In total, 119,072 people had the opportunity to see askHRgreen.org at an event in their community. Just over half of these events utilized the askHRgreen.org trailer which is filled with a variety of resources from informational brochures to eco-themed promotional items such as reusable shopping bags, stainless steel straws, sink strainers, shower timers, dog waste bag holders, and more.

2021-2022 Community Events			Estimated Attendance
7/16	TGIF	Suffolk	300
7/21	YNot WINDsday	Virginia Beach	1,669
9/11 - 9/12	Mid-Atlantic Home & Outdoor Living Show	Virginia Beach	3,500
9/16 - 9/19	Isle of Wight County Fair	Windsor	25,000
10/2	Arbor Day	Norfolk	150
10/2	VB Master Gardeners Fall Gardening Festival	Virginia Beach	1,200
10/6-10/11	Suffolk Peanut Festival	Suffolk	60,000
10/30	Girl Scout Gold Star Project Event	James City County	50
2/12 - 2/13	Mid-Atlantic Home & Outdoor Living Show	Virginia Beach	1,500
3/5 - 3/6	Hampton Roads Home Show	Hampton	4,500
4/9	Go Green Market	York County	1,300
4/10	Earth Day Pop-up Market at Pembroke Mall	Virginia Beach	350
4/22	Norfolk Premium Outlets Earth Day Fair	Norfolk	25
4/23	Earth Day at Mt Trashmore	Virginia Beach	2,500
4/23	HCCC Earth Day	Hampton	253
4/23	Traditions Brewing Earth Day	Newport News	400
4/28	Anheuser Busch ES Fest	James City County	275
5/4	VB Public Utilities Employee Picnic	Virginia Beach	200
5/13-5/14	Tidewater Comicon	Virginia Beach	15,000
6/4	Love Liz Fest	Chesapeake	600
6/18	Pride in the Peake	Chesapeake	300
			119,072



Bay Star Homes

The Bay Star Homes program grew by 153 participants in FY22 bringing the total number of participants to 3,688. Residents participating in the Bay Star Homes program pledge to use at least eight environmentally-friendly practices in their homes. This includes changing environmentally-harmful behaviors and proactively implementing stormwater management practices such as rain barrels, rain gardens, and downspout disconnects on their private property. Other pledges address issues like waste reduction, water conservation, and conserving energy. Participants in the program get early access to special askHRgreen.org programs (including the very popular rain barrel workshops) and targeted seasonal communications. There was one special Bay Star Homes enewsletter distributed in fall 2021 to encourage lawn care practices, tree planting, proper FOG disposal, and America Recycles Day.

FY22 Bay Star Homes Registrants	
City/County	Number
Chesapeake	10
Hampton	7
Isle of Wight	1
James City	1
Newport News	46
Norfolk	55
Portsmouth	2
Suffolk	6
Virginia Beach	20
Williamsburg	2
York	3
Total	**153**

Total Bay Star Homes Registrants	
City/County	Number
Chesapeake	165
Franklin	13
Gloucester	18
Hampton	129
Isle of Wight	12
James City	17
Newport News	282
Norfolk	2478
Poquoson	17
Portsmouth	43
Smithfield	12
Southampton	4
Suffolk	150
Surry	3
Virginia Beach	258
Williamsburg	5
York	82
Total	**3,688**

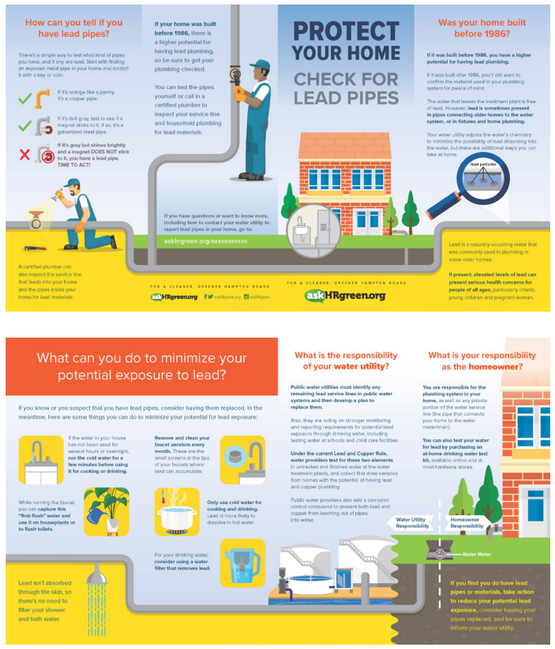
Great American Cleanup

The askHRgreen.org Recycling & Beautification Committee once again collaborated to clean up and beautify Hampton Roads through the national Great American Cleanup (GAC) program. A part of the committee's "Team Up 2 Clean Up" initiative, GAC engages the public and business community to get involved in litter cleanup and beautification projects throughout the region. Held March 25-26, 2022, these community cleanups resulted in the removal of 63,600 pounds of litter from the Hampton Roads landscape. That's about 32 tons of litter no longer causing a nuisance in the community and prevented from becoming marine debris. There were also 264 trees or shrubs planted as part of GAC in addition to plenty of mulching, weeding, and general TLC in local parks and shared spaces. These successful results would not have been possible without the partnership of over 1,418 volunteers across Hampton Roads. Volunteers included small groups of family and friends, youth groups, civic leagues, municipal departments, community groups, small businesses, and large corporations.

Drinking Water Regulations

In December 2021, the Environmental Protection Agency (EPA) announced plans to take additional steps to address the potential for lead to enter drinking water through household plumbing. Drinking water that leaves the water treatment plant is free of lead; however, lead is sometimes present in the pipes of homes built prior to 1988 and can introduce lead into a home's water supply. While the EPA had not yet released new guidelines during FY22, the Water Awareness Committee was proactive in creating a new brochure to help residents understand their home's potential for lead plumbing, how to check for lead pipes, and strategies for minimizing potential exposure to lead.

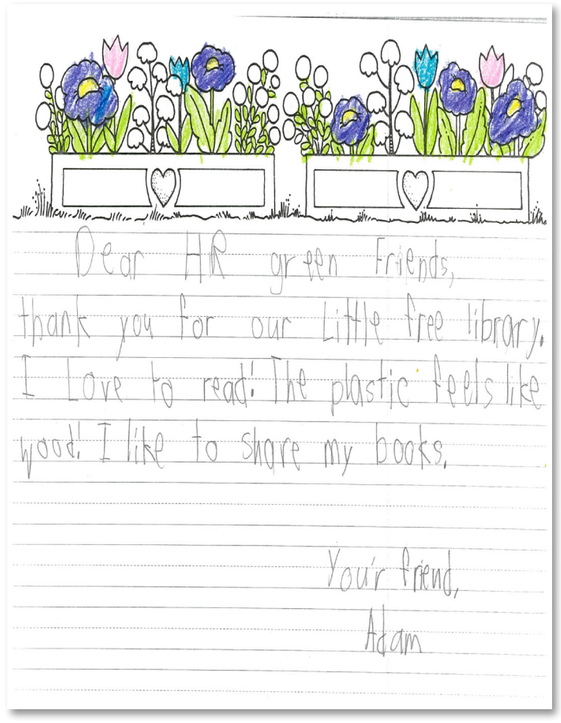
As additional guidelines are released, the committee hopes to develop additional resources including an informational video and dedicated webpage to help citizens understand and address the potential for lead in drinking water.

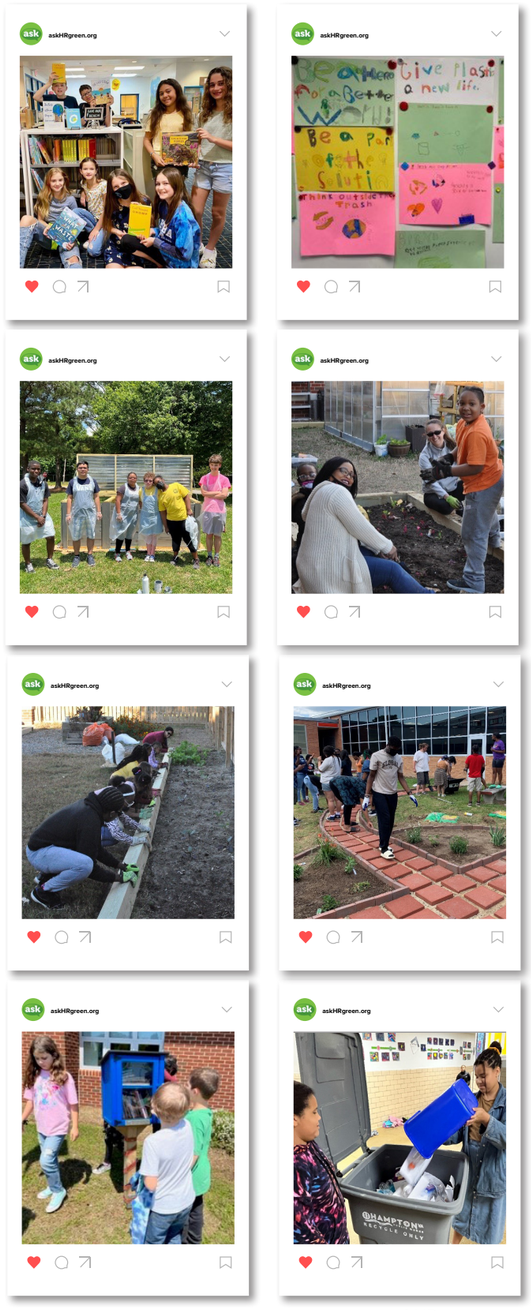


Environmental Education Mini Grant Program

Supporting environmental education in the classroom continues to be a priority of askHRgreen.org. The Environmental Education Mini Grant Program offers all Hampton Roads teachers (K-12), youth leaders, or organizations working with youth grants of up to $500 to fund environmentally-themed projects.

In FY 2021-2022, askHRgreen.org was able to fund 20 mini grant projects for a total of $9,378.34. Through these initiatives, young learners started recycling programs, established a little free library for reusing and sharing books, cultivated community gardens, built compost bins for food waste recycling, learned about native plants and habitat creation, captured rain water for reuse, and beautified spaces. These meaningful experiences are sure to foster a sense of connection between our environment and tomorrow's leaders.





FY22 Environmental Education Mini Grant Projects

Project	Students	School/Organization	City/County	Grant
Northampton Little League Recycles	106	Northampton Little League	Hampton	500.00
Saving Trees – One Book at a Time	529	Pembroke Elementary School	Virginia Beach	440.11
The Fourth Element: Adding Sustainable Water Sources to Complete	600	York County Beautification Committee	York County	500.00
St. Helena Recycling Project	315	St. Helena Elementary School	Norfolk	482.72
Food for the Tummy, Food for the Soul: The Sequel	200	Newtown Elementary School	Virginia Beach	500.00
Native Garden for Pollinators	60	Crittenden Middle School	Newport News	500.00
Growing the Best SPS	6,000	Suffolk Public Schools	Suffolk	500.00
Machen Mustangs Community Mural Project	350+	Machen Elementary School	Hampton	500.00
Compost Recycling Project	16	Salem High School	Virginia Beach	500.00
Recycling in the Classroom	90	Phoebus High School	Hampton	500.00
Classroom Paper Recycling Program	500	Mary Peake Elementary School	Hampton	241.71
Gardening Across the Curriculum	170	Norfolk Academy	Norfolk	500.00
Recycling in the Classroom	420	Catholic High School	Virginia Beach	500.00
Paper and Plastic Recycling	487	Alfred S. Forrest Elementary School	Hampton	213.80
Bin Brigade	15	Kecoughtan High School Ecology Club	Hampton	500.00
Meditation Garden	93	Hampton High School, IB Academy	Hampton	500.00
Rain Garden and Bee Hives	40	The Hague School	Norfolk	500.00
Caterpillars in Classrooms	720	Hoffler Creek Wildlife Foundation, Inc.	Portsmouth	500.00
How Single Use Plastics are Ruining Our Beaches and Oceans	420	Hermitage Elementary School Ecology Club	Virginia Beach	500.00
Sweets for Students	30	Williamsburg Community Growers	Lightfoot	500.00
	11,161			**$9,378.34**

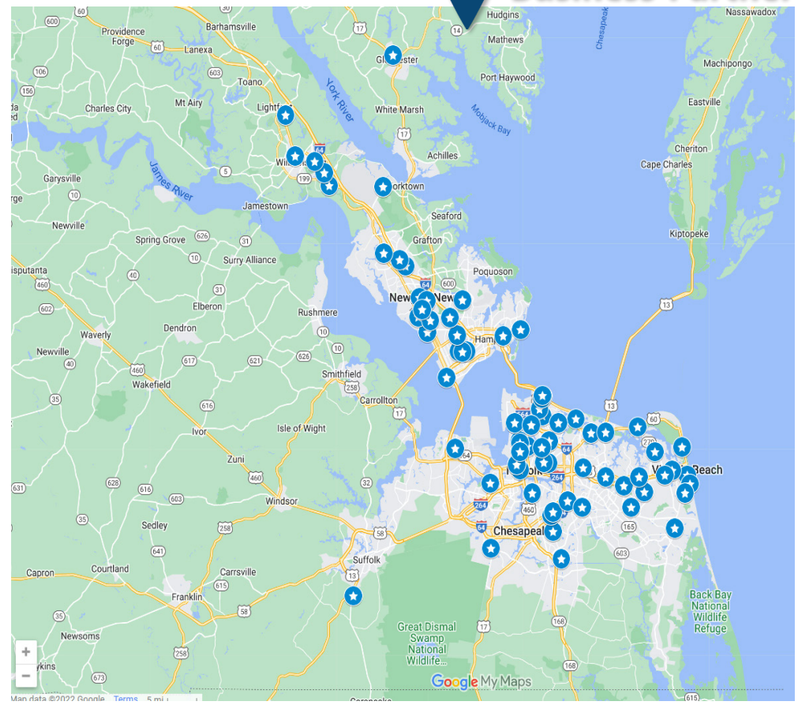
Bay Star Business Program

Launched in 2018 by the Stormwater Education Committee, the Bay Star Business program engages the Hampton Roads business community in protecting local water quality and other environmental stewardship activities. Businesses can sign up online by pledging to implement environmental practices such as conserving water, recycling, cleaning up and preventing litter, properly maintaining company vehicles, and more. There is no cost to join and most program pledges are no- or low-cost changes that make business more efficient. Participating businesses receive a welcome packet filled with relevant environmental information and Bay Star Business window clings to display in their business or on company vehicles. Participating businesses are also recognized through the askHRgreen.org website and social media accounts. This community recognition is an incentive for local businesses and an easy way for consumers in the region to identify eco-friendly businesses.

In FY22, the Bay Star Business program added 12 new partners for a total of 74 participants. The program attracts a large variety of businesses including multi-family housing communities, contractors, retail establishments, restaurants, and salons.

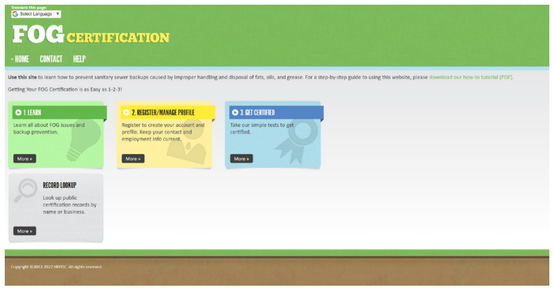
Bay Star Business Partners	
City/County	Number
Chesapeake	6
Gloucester	1
Hampton	8
James City County	2
Newport News	13
Norfolk	18
Portsmouth	1
Suffolk	2
Virginia Beach	19
Williamsburg	1
York	3
Total	**74**

BAY STAR Business Partner



Fats, Oils, and Grease (FOG) Commercial Training and Certification Program

The regional FOG Training and Certification program is designed to educate local food service workers and grease haulers on how to prevent sanitary sewer backups caused by improper handling and disposal of fats, oils, and grease. FOG certification requirements vary by locality, but the free training and certification programs are available to the public at HRFOG.com.



After spending much of FY21 modernizing regional guidance documents to reflect current research, the FOG Education Committee turned its eye toward modernizing a vital asset – the HRFOG.com website. The website serves as a hub for food service employees and grease haulers to review training documents and complete certification exams to comply with local FOG ordinances. It also hosts helpful educational resources like signs and brochures and additional guidance documents for local FOG ordinances. The website was developed in 2012 as a custom build but more robust and user-friendly testing platforms now exist as "out of the box" products. The committee worked much of the year to document the technical requirements for the website and testing process as well as administrative functions. These technical requirements were used to rank several possible new testing systems which the committee will continue to explore in FY23.

The committee also reached out to the Virginia Building Code Officials Association (VBCOA) to engage municipal professionals who participate in the building inspection process. These professionals are critical in ensuring proper sizing and installation of grease control devices, especially for new construction. The FOG Committee was able to submit an article for the VBCOA quarterly members newsletter. The article stressed the importance of FOG programs in protecting sanitary sewer infrastructure and encouraged partnerships between inspections professionals and local FOG programs.

VIRGINIA BUILDING AND CODE OFFICIALS

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Working Together to Fight the Fat

Since 2007, Hampton Roads municipal sewer authorities have been working together to keep fats, oils, and grease (FOG) from harming the sanitary sewer system. To date, the region's 17 local jurisdictions have collaborated to develop a regional model FOG ordinance, technical standards for the installation and maintenance of grease control devices, and educational programs targeted at both residents and commercial employees handling grease-laden waste. In addition to regional collaboration among wastewater professionals, managing a successful FOG Program requires effective and continuous dialogue between the local wastewater officials, the public health authority, and building code officials, who all have a stake in protecting public health.

When FOG is discharged to the sanitary sewerage system, it accumulates and leads to sanitary sewer overflows posing a threat to public health and the environment. Each overflow costs a municipality thousands in cleanup costs and potential fines. Stopping FOG at the source is key. Local building code officials are the first line of defense against FOG by ensuring food service establishments (FSEs) have the proper pretreatment equipment in place. Sources of FOG are varied and can include fatty foods, cooking oils, food scraps, utensils, dinnerware, salad dressings, deep fried foods, batters, icing, dairy products, ice cream/smoothies, frozen yogurt, and more. Working together with local FOG program coordinators ensures appropriately-sized grease control devices are installed when an FSE is built, renovated, or has a change of use.

If you haven't met the FOG program coordinator in your jurisdiction, you're missing out on a valuable ally. Talk to your local counterparts who join you on the front lines in the fight against FOG. By opening the lines of communication between officials in wastewater, public health, and building codes, we can more effectively protect sanitary sewer infrastructure, save money, expand resources, and improve the overall health and well-being of our communities.

Since 2007, Hampton Roads municipal sewer authorities have been **Working Together to Fight the Fat**

Katie Cullipher
Principal Environmental Education Planner
Hampton Roads Planning District Commission
723 Woodlake Drive | Chesapeake, VA 23320 | (757) 420-8300

HAMPTON ROADS PDC

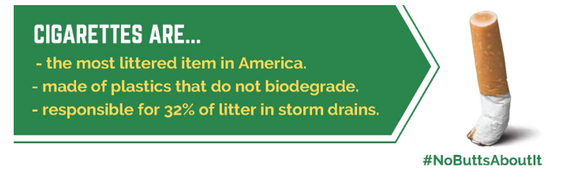
Cigarette Waste Receptacle Grant Program

The Cigarette Waste Receptacle Grant Program was launched in May 2021 as a partnership between the Recycling & Beautification Committee and the Stormwater Education Committee. This new community grant program offers free cigarette waste receptacles to businesses and other public facilities experiencing a cigarette litter problem. Based on research from Keep America Beautiful, the proper placement of a cigarette waste receptacle at transition points in the community (i.e. walking from a car into a business location) is strongly correlated with a decrease in cigarette litter. It seems that when made easy and convenient, smokers often make the right choice to dispose of their cigarette butts properly.

Administration of the Cigarette Waste Receptacle Grant was modeled after the existing Pet Waste Station Grant and requires the awardee to install and maintain the cigarette waste receptacle. In just over one year of operation, the program has successfully distributed 62 cigarette waste receptacles to the community. Of those, 36 were awarded in FY22.

Cigarette Waste Receptacles Awarded

City/County	Number
Chesapeake	4
Gloucester	4
Hampton	7
James City	3
Newport News	25
Norfolk	1
Portsmouth	5
Southampton County	1
Suffolk	6
Virginia Beach	2
Williamsburg	2
York	2
Total	**62**



HELP US FIGHT CIGARETTE LITTER.
APPLY FOR A FREE CIGARETTE WASTE RECEPTACLE TO INSTALL AT YOUR BUSINESS.

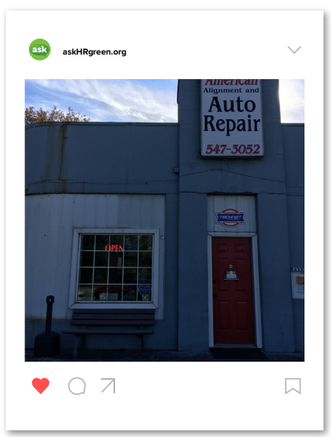
While supplies last, askHRgreen.org is offering FREE cigarette waste receptacles through a new grant program. The grant is open to any business or community organization in Hampton Roads experiencing a cigarette litter problem. Applicants must take on the task of maintaining the cigarette waste receptacle which includes securing the receptacle and emptying it regularly to prevent overfilling.

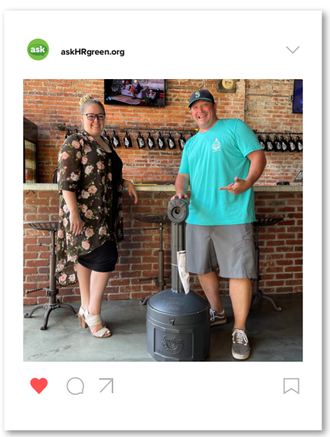
One leading cause of cigarette litter is the lack of access to a conveniently located cigarette waste receptacle when smokers are extinguishing their cigarettes. Giving smokers a safe, convenient disposal option at these transition points in the community keeps cigarette butts off the ground and out of local waterways. Your business can help make a difference!

Supplies are limited, so apply today!
Submit your grant application online at
www.askHRgreen.org/CigaretteWaste

askHRgreen.org

Appyly now at www.askHRgreen.org/CigaretteWaste





2021-22 Promotional Campaigns

Waste Reduction & Recycling

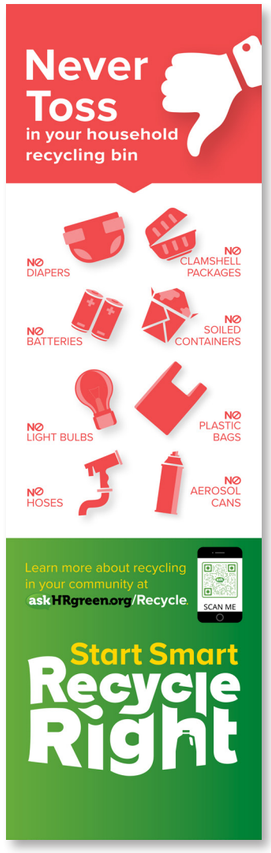
Waste reduction and improving the quality of the recycling stream continue to be top priorities for the Recycling & Beautification Committee. “Start Smart, Recycle Right” is a campaign that captures both of these important priorities by encouraging consumers to “start smart” with their consumer choices and recycle only the items accepted by their local recycling program. The campaign includes a dedicated webpage, online recycling and disposal lookup tool, a series of four videos, and an interactive recycling quiz. While the campaign was launched in January 2021, the first full media campaign occurred in August 2021.

Paid Media. The committee had a six-week paid media campaign for the Start Smart, Recycle Right campaign from August 2 to September 12. The campaign included radio, traditional television, digital display ads with retargeting, an appearance on The Hampton Roads Show, video pre-roll, native content ads, and social media. Throughout the year, specific messages about recycling and waste reduction were included in the Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. New for FY22, the committee developed two retractable banners. One banner features the back to basics recycling message of paper, bottles, cans, while the other highlights common contaminants that should never be in the recycling cart. The committee also took action to make resources more accessible by having the Start Smart, Recycle Right rack card translated into Spanish and printed for use in local outreach.

Public Relations. Public relations efforts supported recycling and waste reduction through news releases for America Recycles Day and Christmas tree recycling, and articles in Coastal Virginia Magazine and the askHRgreen.org e-newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Outreach included sharing organic and branded posts on recycling contamination, waste free living, composting, recycling facts, and more.



Litter Prevention

Through the Team Up 2 Clean Up program, the Recycling & Beautification Committee engages residents, businesses, and community organizations in neighborhood cleanups to address community beautification and litter prevention. Team Up 2 Clean Up matches interested volunteers with the resources needed to lead a community cleanup including lendable litter kits available at libraries or recreation centers in most localities across Hampton Roads. The largest volunteer drive of the year occurs

the last weekend in March for the annual Hampton Roads Great American Cleanup. Held March 25-26, 2022, 1,418 volunteers removed 63,600 pounds of litter from Hampton Roads during this year’s event. Volunteers also helped tend to public spaces including planting 264 trees or shrubs. These results would not have been possible without the partnership of the committee with volunteers across the region. New in FY22, the committee held a formal partnership meeting for the Great American Cleanup in January 2022. More than 85 community partners were invited to learn more about the initiative and encouraged to get involved.

Paid Media. A five-week paid social media campaign was used to recruit volunteers to sign up for the Great American Cleanup. Throughout the year, specific messages about litter prevention were included in the Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. Local litter control coordinators made lendable litter kits available in easily accessible locations to help distribute litter clean up supplies. The kits include trash bags, gloves, litter grabbers, safety vests, and buckets.

Public Relations. Public relations outreach about litter prevention and cleanups was conducted via news releases and articles in the askHRgreen.org newsletter. An op-ed celebrating the successes of the Great American Cleanup was featured in The Virginian-Pilot and Daily Press. In total there were more than 13 press references to the Hampton Roads Great American Cleanup including a feature on the “Reck on the Road” segment of the Hampton Roads Show.

Social Media. We engaged with the community via Facebook and Instagram. Organic and branded outreach topics included volunteer recruitment for Clean the Bay Day/International Coastal Cleanup, cleanup results, securing truck loads, and harmfulness of marine debris.

Cigarette Litter Prevention

Cigarette butts are the most commonly littered item worldwide. As a coastal community, cigarette litter prevention is a priority since cigarette butts are easily carried out to local waterways in stormwater runoff. To shed light on this little form of litter causing big environmental impacts, the Recycling & Beautification Committee continued to use the #NoButtsAboutIt campaign. The #NoButtsAboutIt campaign includes larger-than-life model cigarette butts displayed at local public spaces and attractions in Hampton Roads. At about two-feet in length, the displays are powerful conversation starters and are requested for use by other community organizations.

Paid Media. Throughout the year, specific messages about cigarette litter were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The committee partnered with the Stormwater Education Committee to launch the cigarette waste receptacle grant program, offering free receptacles for local businesses and community organizations. Pocket ashtrays are also available for distribution at local events.

Social Media. We engaged with the community via Facebook and Instagram to communicate the harm of cigarette litter and encourage proper disposal.

Cigarette Waste Receptacle Grant Program. In partnership with the Stormwater Education Committee, 62 free cigarette waste receptacles have been distributed to regional businesses in an attempt to combat cigarette litter. Of those, 36 receptacles were awarded in FY22.

Fats, Oils & Grease (FOG) Disposal

The FOG Committee focuses each year on helping residents and local restaurants understand the sources of FOG (fats, oils, and grease) and best management practices to prevent sewer blockages and backups from FOG. While this message is relevant year-round, FOG prevention is heavily promoted during the holiday season from November to December. This focal area was addressed with the following strategies:

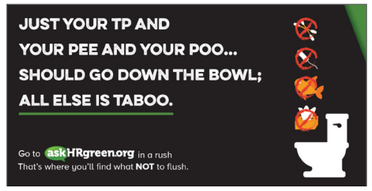
Paid Media. There was a one-week "Grease Grinch" campaign from November 20 to November 28 to coincide with the Thanksgiving holiday. The campaign included traditional television, radio, digital display ads with retargeting, an appearance on the Hampton Roads Show,

and social media. Throughout the year, specific FOG messages were included in the Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The committee continued to distribute relevant promotional items including sink strainers, grease can lids, and brochures.

Public Relations. Public relations supported FOG education topics through a news release, Coastal Virginia Magazine, and the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Outreach topics included organic and branded posts on the negative impacts of improper grease disposal, canning the grease, ditching garbage disposals, and the importance of maintaining infrastructure.



What Not to Flush

The FOG Committee continues to educate the public about proper flushing etiquette and the unintended harm of flushing personal hygiene products, wipes, dental floss, cotton swabs, and more.

Paid Media. There were two "What Not To Flush" media campaigns in FY22. The Beneath the Streets campaign ran for one-week, October 25 to October 31. The campaign draws from classic horror movies to warn against what comes up from beneath the streets during a sanitary sewer overflow. The campaign included traditional television, radio, digital display ads and retargeting, social media, and native content ads. A second campaign featuring a chalkboard-style animation ran January 31 to February 6 on traditional and digital television, radio, digital display ads with retargeting, and social media.

Throughout the year, specific what not to flush messages were included in the Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The committee continued to distribute toilet stress squeezers, "what not to flush" stickers, and brochures in support of this message.

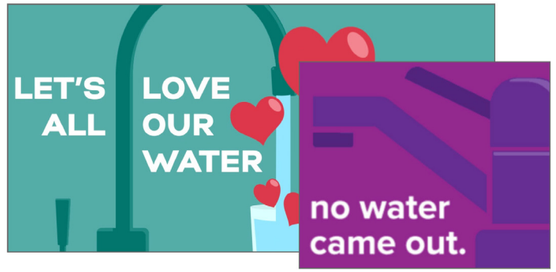
Public Relations. Public relations supported the what not to flush topic with news releases, an appearance on Coast Live, and the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Outreach topics included organic and branded posts on the damaging side effects of flushing trash, the Super Bowl flush, National Drug Takeback Day, water quality impacts of sanitary sewer overflows, and the myth of flushable wipes.

Communicating the Value of Water

It's not "just" water. It's business, healthcare, fire protection, sanitation, and quality of life. Water is a hot shower, clean clothes, and dinner on the table. Without water, our quality of life in Hampton Roads would suffer. The Water Awareness Committee communicates this value of water by helping residents connect their vital daily activities with the water that makes it all possible. The committee communicated the importance of water in the following ways:

Paid Media. The committee ran a one-week media campaign from October 18 to October 24 to coincide



with the national Imagine a Day Without Water campaign on October 21. The ad creative uses a catchy poem and vibrant graphics to describe everything we'd miss on a "waterless" day. The campaign ran on traditional television, radio, digital display ads with retargeting, native content ads, an appearance on the Hampton Roads Show, and social media. Throughout the year, specific messages about tap water were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The committee continued to distribute a variety of promotional items including reusable water bottles, mood pencils, toothbrushes, koozies, and more.

Public Relations. Public relations supported the value of water message through news releases, Coastal Virginia Magazine, and the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Outreach topics included organic and branded posts about gratitude for water, drinking tap over bottled water, and the importance of investing in water infrastructure.

Careers in the Water Industry

Public water utilities in the era of COVID-19 have dealt with chronic hiring difficulties amid a nationwide staffing shortage. Vacancies for essential roles were difficult to fill in fields such as customer service, administrative support, construction, and equipment operators. The committee collaborated to develop a "Work for Water"

outreach campaign to encourage prospective job seekers in Hampton Roads to consider a career with a local water utility. The campaign included real-life interviews with current utility employees discussing why they love working for water. Employees shared the benefits of working in the water industry: having a rewarding career that makes a difference in the community, job security, great benefits, career growth opportunities, and diverse responsibilities. The final product was one long form video and six shorter videos, each highlighting the perks of working for water. Local water utilities can use and share these assets as recruitment tools.

Paid Media. The committee ran a one-week media campaign from May 1 to May 7 as part of the national Drinking Water Week promotion. The campaign utilized the Work for Water videos and drove people to a landing page featuring links to open positions with local water utilities. The campaign included traditional and digital television, radio, digital display ads with retargeting, and social media.

Public Relations. Public relations support included articles in the askHRgreen.org e-newsletter.

Social Media. Relevant messages were shared via Facebook and Instagram both organically and through the askHRgreen branding campaign. Posts included thanking essential employees and highlighting the benefits of working for water.

Water Conservation

The Water Awareness Committee continues to encourage residents to conserve water. According to the EPA, household leaks can account for nearly 10,000 gallons of water wasted every year. One common culprit for water waste is silent toilet leaks which are generally simple DIY fixes. Correcting leaks is not only an important environmental issue but an economic concern for the region's ratepayers. Other simple indoor and outdoor water conservation measures are also key messages for the committee.

Paid Media. The committee ran a one-week media campaign from March 14 to March 20 as part of the national

Fix-a-Leak Week promotion from EPA. The campaign highlights how wasteful and expensive household leaks – especially toilet leaks – can be for residents. The campaign included traditional television, radio, digital display ads with retargeting, an appearance on the Hampton Roads Show, and social media. Throughout the year, specific messages about water conservation were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The Water Awareness Committee distributed numerous promotional items to help residents conserve water including rain gauges, shower timers, toilet leak detection dye tablets, seed bookmarks, and hose nozzles.

Public Relations. Public relations support for this topic with news releases and articles in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Water conservation messages included checking for leaks, smart outdoor watering tips including use of rain barrels, indoor water conservation tips, and promotion of drought tolerate landscaping practices.

Storm Drains & Illicit Discharges

The Stormwater Education Committee continues to educate the public about the negative water quality impacts of illicit discharges. The popular "only rain down the drain" message was incorporated in multiple ways and is a foundational message for the committee. There were a variety of outreach efforts for this message during FY22 including storm drain marking, the cigarette

receptacle grant program, a new household hazardous waste (HHW) media campaign, and the creation of "Thank You for Washing Wisely" fundraiser car wash kits.

Paid Media. The committee developed a new illicit discharge campaign in FY22 to address proper storage and disposal of HHW for residents. The campaign encourages residents to keep chemicals out of the environment by returning old and unwanted chemicals to a HHW facility. The one-week campaign ran February 28 to March 6 and included digital television, digital display ads with retargeting, and social media. Throughout the year, storm drain topics were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches. Though launched in late spring 2021, the "Every Day We Love the Bay" sidewalk decals have proven highly durable and are still in place at select locations throughout the region.

Outreach Materials. The committee maintains a comprehensive library of brochures and rack cards addressing best management practices for preventing both commercial and residential illicit discharges. The committee also continues to promote the storm drain marking program and received three applications in FY22. Many more storm drain medallion projects were completed through individual locality efforts.

Public Relations. Public relations supported this focal area through news releases and features in the askHRgreen.org newsletter.

Social Media. Information about storm drains and the "only rain down the drain" message were also featured in the Facebook branding campaign, increasing the number of users who see this content on Facebook and Instagram. Organic and branded outreach topics included awareness of local water quality, marine debris, car wash tips, HHW storage, litter prevention, and multiple only rain down the drain messages.

Chesapeake Bay Restoration Fund (CBRF) Grant. The committee received a $15,000 grant from the CBRF program. The funds went towards purchasing 68 pet waste stations to provide inventory to the pet waste station grant program, hosting eight low-cost rain barrel workshops resulting in 120 rain barrels distributed to Hampton Roads residents, and the creation of 13 fundraiser car wash kits. The new car wash kits divert dirty wash water generated during fundraiser car washes to grassy areas to prevent soap, oil, and dirt from entering the storm drain. Branded as part of the "Thank You for Washing Wisely" car wash campaign, the kits include drain seals, spill berms, submersible pump, extension cord, and garden hose. The committee also produced a helpful tutorial video to accompany the kits and ensure proper usage. Localities are partnering with groups and car wash hosts to implement the new program.

Cigarette Waste Receptacle Grant Program. In partnership with the Recycling & Beautification Committee, 62 free cigarette waste receptacles have been distributed to regional businesses in an attempt to combat cigarette litter. Of those, 36 receptacles were awarded in FY22.

Pet Waste

Pet waste continued to be a top message priority for the Stormwater Education Committee in FY22. The committee raises awareness about scooping the poop to prevent harmful bacteria-laden waste from entering local waterways through stormwater runoff. The committee addressed this message through a new media campaign focused on pet waste cleanup in private yards and continuing to support the pet waste station grant program.

Paid Media. The committee ran a one-week media campaign from April 25 to May 1. The new campaign creative featured

a jingle about scooping the poop even at home in our own yards. This campaign specifically addresses pet owners who are likely to scoop the poop in public out of courtesy for others but do not have the same habit in their private yards. The campaign was featured on traditional and digital television, digital display ads with retargeting, and social media. Throughout the year, pet waste messages were also included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The committee purchased dog waste bag holders, message pens, and two sizes of scoop the poop stickers to support the pet waste message.

Public Relations. Public relations supported this focal area through news releases and features in the askHRgreen.org e-newsletter.

Social Media. Pet waste messages were also featured in the Facebook and Instagram branding campaign. Branded and organic social media posts were targeted towards pet owners and specifically promoted scooping the poop in your own yard.

Pet Waste Station Grant Program. Launched in 2013, the askHRgreen.org Pet Waste Station Grant Program is geared towards providing neighborhood associations, community groups, and property management companies an opportunity to receive a free pet waste station. In return, the hosting neighborhood or group will agree to maintain the station. Maintenance includes emptying the trash regularly and replacing the dog waste bags and trash bags as needed. The neighborhood is also tasked with spreading the word about the new stations, the negative impact of pet waste on local water quality, and

encouraging its use among dog-walking neighbors. Since the launch of the program, 449 pet waste stations have been installed in Hampton Roads. Of those, 57 were awarded during FY22.

New Pet Waste Stations in FY22	
Chesapeake	4
Hampton	9
Isle of Wight	2
James City County	2
Newport News	10
Norfolk	5
Portsmouth	6
Suffolk	9
Virginia Beach	9
York County	1
	57

Lawn Care & Fertilizer

Proper lawn care practices remain an important message for the Stormwater Education Committee. Educating the public about proper lawn care, and fertilizing practices in particular, can positively impact local water quality. The practices promoted through the committee include keeping yard debris out of storm drains, soil testing prior to fertilizing, mulch mowing grass and leaves, planting more trees or native plants, among many others.

Paid Media. The committee picked up an existing chalkboard art inspired media campaign for a two-week campaign from September 27 to October 10. The campaign included traditional and digital television, radio, digital display ads with retargeting, video pre-roll, an appearance on the Hampton Roads Show, and social media.

The campaign explains the negative water quality impacts of blowing leaves and grass clippings into storm drains while promoting mulch mowing and soil testing. A variety of lawn care topics are also included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The committee maintains a supply of brochures and rack cards focusing on soil testing and lawn care best practices. There is also a specific rack card geared towards commercial landscapers. Southeastern Virginia Native Plant Guides are also available for distribution.

Public Relations. Soil testing and other lawn care best management practices are commonly included in various public relations strategies throughout the year including news releases and the askHRgreen.org e-newsletter. The Bay Star Homes program is another important tool for encouraging residents to use waterway-friendly lawn care practices. One newsletter was distributed to Bay Star Homes participants in the fall of FY22.

Social Media. Lawn care and fertilizing tips are also featured in the Facebook branding campaign, increasing the number of users who see this content on Facebook and Instagram. Facebook and Instagram were utilized for sharing a variety of best management practices including soil testing, keeping yard waste out of storm drains, replacing turf grass with native plants, mulch mowing, and installing rain barrels. The lawn care quiz on the askHRgreen.org website was also promoted on social media.

10-for-10 Tree Giveaway. To promote tree planting and native plants, the committee hosted a 10-for-10 tree giveaway. The contest was part of the askHRgreen.org 10th anniversary celebration. Individuals who signed up to receive the askHRgreen.org newsletter were entered to win one of 10 free eastern redbud trees. Winners were split between the peninsula and southside. In total, 124 new enewsletter subscribers were gained through the promotion.

Media Campaign Summaries

AUGUST 2 - SEPTEMBER 12 ***"Start Smart, Recycle Right"***
Radio, TV, digital display, native content, social media, video pre-roll

Impressions: 3,779,537
Video Views: 51,470
Clicks/Actions/Engagements: 2,489

BUDGET: $36,000 | VALUE: $46,659 | CPM: $9.52
ROI: 1.30:1

OCTOBER 18-24 ***"Imagine a Day Without Water"***
Radio, TV, digital display, native content, social media, video pre-roll

Impressions: 1,346,597
Clicks/Actions/Engagements: 639

BUDGET: $10,645 | VALUE: $14,662 | CPM: $7.91
ROI: 1.38:1

NOVEMBER 20-28 ***"Grease Grinch"***
Radio, TV, digital display, social media

Impressions: 1,389,650
Clicks/Actions/Engagements: 805

BUDGET: $10,620 | VALUE: $14,460 | CPM: $7.64
ROI: 1.36:1

FEBRUARY 7 - MARCH 17 ***"Team Up 2 Clean Up"***
Social media, public relations

Impressions: 350,543
Clicks/Actions/Engagements: 633

BUDGET: $4,947 | VALUE: $4,947 | CPM: $16.19
ROI: 1:1

MARCH 14-20 ***"Fix-a-Leak"***
Radio, TV, digital display, social media

Impressions: 1,734,143
Clicks/Actions/Engagements: 4,780

BUDGET: $10,645 | VALUE: $27,848 | CPM: $6.14
ROI: 2.62:1

MAY 1-7 ***"Water Workers Appreciation"***
Radio, TV, digital display, social media

mpressions: 1,627,047
Video Views: 34,579
Clicks/Actions/Engagements: 1,209

BUDGET: $10,645 | VALUE: $15,362 | CPM: $6.54
ROI: 1.44:1

SEPTEMBER 27 - OCTOBER 10 ***"Lawn Care"***
Radio, TV, digital display, social media, video pre-roll

Impressions: 801,311
Video Views: 41,059
Clicks/Actions/Engagements: 1,741

BUDGET: $9,920 | VALUE: $14,715 | CPM: $12.38
ROI: 1.48:1

OCTOBER 25-31 ***"It Came From Beneath the Streets"***
Radio, TV, digital display, native content, social media, video pre-roll

Impressions: 1,216,850
Clicks/Actions/Engagements: 272

BUDGET: $9,770 | VALUE: $14,220 | CPM: $8.03
ROI: 1.46:1

JANUARY 31 - FEBRUARY 6 ***"What Not to Flush"***
Radio, TV, digital display, social media

Impressions: 2,027,680
Video Views: 23,438
Clicks/Actions/Engagements: 936

BUDGET: $11,450 | VALUE: $14,358 | CPM: $5.65
ROI: 1.25:1

FEBRUARY 28 - MARCH 6 ***"Household Hazardous Waste"***
TV, digital display, social media

Impressions: 707,859
Video Views: 46,958
Clicks/Actions/Engagements: 7,563

BUDGET: $10,000 | VALUE: $15,400 | CPM: $14.13
ROI: 1.54:1

APRIL 25 - MAY 1 ***"Pet Waste"***
TV, digital display, social media

Impressions: 311,099
Video Views: 47,269
Clicks/Actions/Engagements: 2,928

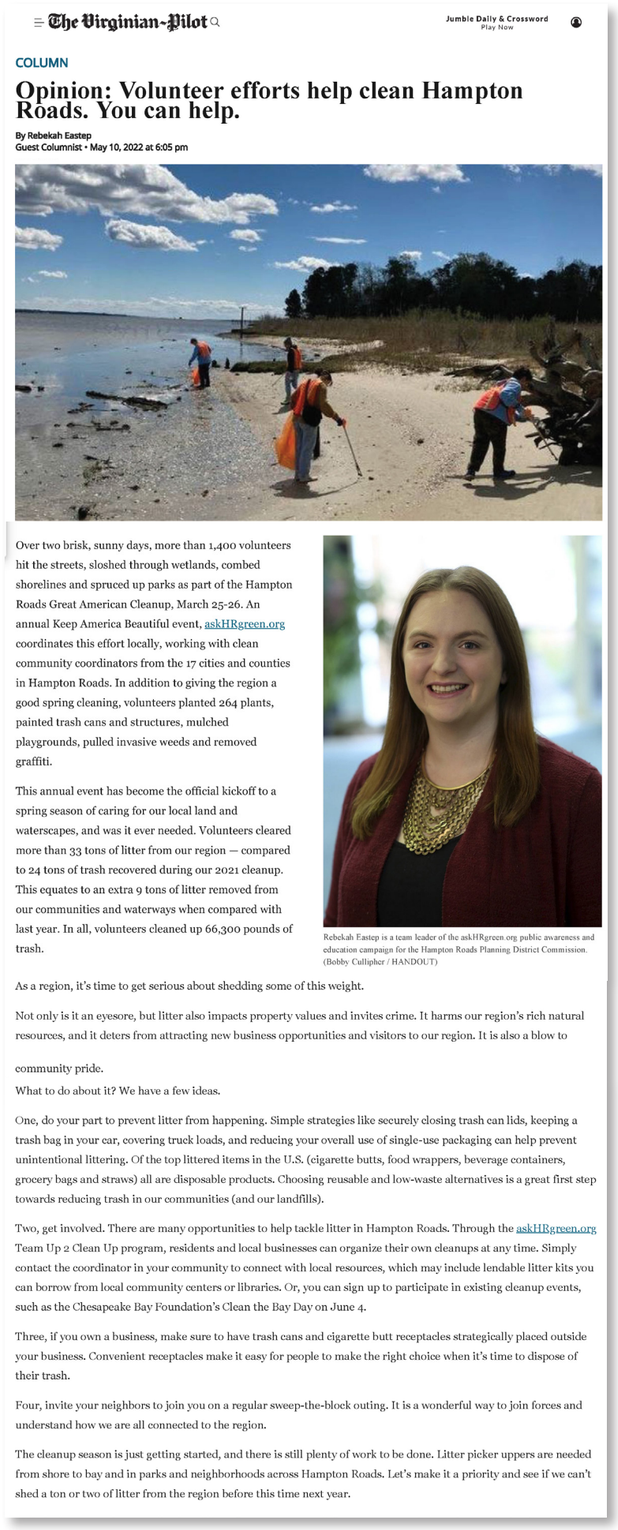
BUDGET: $9,920 | VALUE: $13,103 | CPM: $31.89
ROI: 1.32:1

A Glimpse at Social Media

Public Relations Activities

Date	Media Outlet	Topic	Length	Circ/Imp	PR Value
Wednesday, Sept. 8, 2021	WTKR-TV, 10/11 pm broadcasts - 30 secs each	AskHRgreen.org mini grant program brief	60 seconds	60,400	$1,800.00
Thursday, Sept. 16, 2021	The Virginian-Pilot	School gardens, rain barrels and more	24 column inches	232,007	$11,691.00
Thursday, Sept. 16, 2021	Daily Press	School gardens, rain barrels and more	24 column inches	95,728	$1,440.00
Wednesday, Oct. 20, 2021	WAVY-TV Online Report	AskHRgreen.org website celebrating 10 year anniversary by honoring 10 local educators with $10k awards	N/A	10,000	$1,500.00
Nov-Dec 2021	Coastal Virginia Magazine	The gift of going green	1 + 1/3 pages	30,000	$25,320.00
Wednesday, Nov. 10, 2022	Chesapeake Weekly TV	Green Star Teachers interview with Katie Cullipher	1:16 minutes	5,000	$0.00
Sunday, Jan. 2, 2022	WY Daily News	AskHRgreen.org offers tips for recycling Christmas trees in Hampton Roads	678 words + photo	30,000	$2,250.00
Friday, Feb. 11, 2022	Suffolk News-Herald	Suffolk teacher receives green star for enviromental efforts	400 words	10,431	$1,500.00
Friday, Feb. 21, 2022	TidewaterVa.net	Great American Cleanup-Hampton Roads	N/A	0	$0.00
Tuesday, March 01, 2022	Tidewater Family Plus	Great American Cleanup calendar listing	1/8 page	20,000	$750.00
Tuesday, March 1, 2022	City of Suffolk Website	Great American Cleanup calendar listing	N/A	5,000	$0.00
Tuesday, March 1, 2022	City of Virginia Beach Website	Great Amerian Cleanup press release	N/A	5,000	$0.00
Tuesday, March 1, 2022	City of Williamsburg Website	Great American Cleanup save the date	N/A	5,000	$0.00
Tuesday, March 1, 2022	The Hampton Roads Messenger	Save the date for the Great American Cleanup	160 words	1,000	$900.00
Tuesday, March 1, 2022	City of Portsmouth Website	AskHRgreen.org awards $10,000 to region's green star teachers (press release)	N/A	5,000	$0.00
Wednesday, March 02, 2022	WYDaily	Director of Williamsburg Community Growers named Green Star Educator	210 words	30,000	$900.00
Friday, March 4, 2022	Suffolk News-Herald	Suffolk prepares for another great year of cleaning up	410 words	10,431	$1,500.00
Thursday, March 10, 2022	The Flagship	Resolve to keep your neighborhood clean, sign up for Great American Cleanup	430 words	40,000	$2,550.00
Wednesday, March 16, 2022	Isle of Wight Public Education	Carollton elemetary teacher recognized for environmental education (newsletter)	N/A	5,000	$0.00
Saturday, March 19, 2022	WYDaily (Williamsburg Yorktown)	2022 Great American Cleanup will be held, March in Hampton Roads, March 25-26	100 words	30,000	$750.00
Tuesday, March 22, 2022	WAVY-TV Great American Cleanup	Reck on the Road: Great American Cleanup	5:03 minutes	25,000	$4,500.00
Thursday, April 7, 2022	The Flagship	Naval Station Norfolk Volunteers in the 24th Annual Great American Cleanup	315 words	40,000	$1,868.01
Saturday, April 9, 2022	WTKR-TV news report	Keeping and disposing of hazardous chemicals safely	2:10 minutes	80,000	$1,500.00
Monday, April 11, 2022	The Hampton Roads Messenger	Spring cleaning safety tips from askHRgreen.org!	217 words + photo	1,000	$900.00
Friday, April 15, 2022	WTKR-TV "Coast Live"	Safe disposal of medications, interview with Lacie Wever	4:00 minutes	12,000	$3,000.00
Wednesday, May 11, 2022	The Virginian-Pilot guest column	Volunteer efforts help clean Hamtpon Roads. You can help.	18 column inches	232,007	$8,768.25
Wednesday, May 11, 2022	The Daily Press guest column	Volunteer efforts help clean Hamtpon Roads. You can help.	18 column inches	95,728	$1,080.00
Thursday, June 2, 2022	The Flagship	Preventing pollution from our use and disposal of household chemicals	Mention of askHRgreen.org	40,000	$900.00
Monday, June 27, 2022	Keep Virginia Beautiful	Green grant of $1,000 awarded to askHRgreen.org for litter prevention	325 words	1,000	$900.00
				1,156,732	**$75,367.26**

Total circulation or audience	1,156,732
Total articles and interviews	29
Total PR budget	$13,685
Total publicity value	$76,267
Return on Investment (ROI)	5.6:1



The Virginian-Pilot

Jumble Daily & Crossword
Play Now

COLUMN

Opinion: Volunteer efforts help clean Hampton Roads. You can help.

By Rebekah Eastep
Guest Columnist • May 10, 2022 at 6:05 pm

Over two brisk, sunny days, more than 1,400 volunteers hit the streets, sloshed through wetlands, combed shorelines and spruced up parks as part of the Hampton Roads Great American Cleanup, March 25-26. An annual Keep America Beautiful event, askHRgreen.org coordinates this effort locally, working with clean community coordinators from the 17 cities and counties in Hampton Roads. In addition to giving the region a good spring cleaning, volunteers planted 264 plants, painted trash cans and structures, mulched playgrounds, pulled invasive weeds and removed graffiti.

This annual event has become the official kickoff to a spring season of caring for our local land and waterscapes, and was it ever needed. Volunteers cleared more than 33 tons of litter from our region — compared to 24 tons of trash recovered during our 2021 cleanup. This equates to an extra 9 tons of litter removed from our communities and waterways when compared with last year. In all, volunteers cleaned up 66,300 pounds of trash.

Rebekah Eastep is a team leader of the askHRgreen.org public awareness and education campaign for the Hampton Roads Planning District Commission. (Bobby Cullipher / HANDOUT)

As a region, it's time to get serious about shedding some of this weight.

Not only is it an eyesore, but litter also impacts property values and invites crime. It harms our region's rich natural resources, and it deters from attracting new business opportunities and visitors to our region. It is also a blow to community pride.

What to do about it? We have a few ideas.

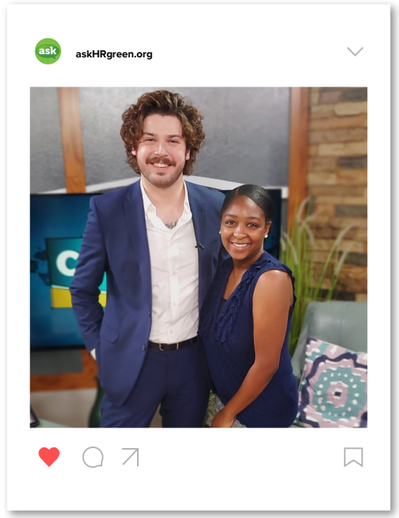
One, do your part to prevent litter from happening. Simple strategies like securely closing trash can lids, keeping a trash bag in your car, covering truck loads, and reducing your overall use of single-use packaging can help prevent unintentional littering. Of the top littered items in the U.S. (cigarette butts, food wrappers, beverage containers, grocery bags and straws) all are disposable products. Choosing reusable and low-waste alternatives is a great first step towards reducing trash in our communities (and our landfills).

Two, get involved. There are many opportunities to help tackle litter in Hampton Roads. Through the askHRgreen.org Team Up 2 Clean Up program, residents and local businesses can organize their own cleanups at any time. Simply contact the coordinator in your community to connect with local resources, which may include lendable litter kits you can borrow from local community centers or libraries. Or, you can sign up to participate in existing cleanup events, such as the Chesapeake Bay Foundation's Clean the Bay Day on June 4.

Three, if you own a business, make sure to have trash cans and cigarette butt receptacles strategically placed outside your business. Convenient receptacles make it easy for people to make the right choice when it's time to dispose of their trash.

Four, invite your neighbors to join you on a regular sweep-the-block outing. It is a wonderful way to join forces and understand how we are all connected to the region.

The cleanup season is just getting started, and there is still plenty of work to be done. Litter picker uppers are needed from shore to bay and in parks and neighborhoods across Hampton Roads. Let's make it a priority and see if we can't shed a ton or two of litter from the region before this time next year.



The Gift of Going Green

Coastal VIRGINIA Mag

After a year of pared down gatherings and simplified celebrations, it's tempting to ramp up the holiday fun to 11 for 2021. Yet, among the lessons of COVID for many of us was a greater appreciation for life's simple joys. That got us thinking about how we could keep the festive spirit alive without going overboard this year.

by Leona Baker | Nov 11, 2021

Considering the holidays' impact on our environment seemed like a good, mindful place to start. What are some ways to make the holiday season leaner and greener? How can we deck the halls with less waste? Give gifts with fewer boxes and bows? Clean our plates without cluttering up landfills? Trim the tree while taking care of the planet?

Combined Media + Web Results

PAID ADVERTISING WEEKS	52 consecutive
TOTAL IMPRESSIONS	20,766,656
TOTAL VIDEO VIEWS	244,773
TOTAL CLICKS/ACTIONS/ENGAGEMENTS	187,653
TOTAL PROMOTIONAL CAMPAIGN BUDGET	$213,817
TOTAL MEDIA ADDED VALUE	$61,172
TOTAL EXPOSURE VALUE	$351,256
RETURN ON INVESTMENT (ROI)	1.64:1

Terms

added value
Earned but unpaid advertising value.

ad group
In Search Engine Marketing (SEM), an ad group contains one or more ads which target a shared set of keywords.

average position
A ranking system that determines where your search engine marketing ad will display on a web search results page (i.e. top of page v. bottom of page).

bounce rate
The percentage of visitors who enter the site and "bounce" (leave the site) rather than continue viewing other pages within the same site.

click through rate (CTR)
A way of measuring online advertising. The CTR of an advertisement is defined as the number of clicks on an ad divided by its impressions, expressed as a percentage.

cost-per-click (CPC)
The cost associated with a person clicking on a display ad in search engine marketing.

exposure value
The combination of advertising cost, added value, and public relations value.

frequency
The number of times an individual (among the target audience) is exposed to the message.

impressions
The number of times an advertisement or public relations placement can be seen or heard by an audience.

public relations value
The equivalent advertising cost of a public relations article, interview, internet placement, etc. times three. Because a public relations placement has a higher value with an audience than advertising, it is assigned a higher value.

reach
The number or percentage of people within the target audience who are exposed to an advertising message at least once over a specific period of time.

search engine marketing (SEM)
The process of attracting traffic to a website from search engine results pages on a pay-per-click basis.

search engine marketing (SEO)
The process of improving the quality of a website so that it appears higher in natural ("organic") search results.

unique visitors (users)
The number of people who visit a website within a specific period of time. If they visit more than one time within the period, their initial visit as well as their subsequent visits are counted as sessions. A user may have one session or multiple sessions.

Appendix A

Search Engine Marketing Results
July 2021 - June 2022

Campaign report July 2021 - June 2022 Total				
NEWS 3 WTKR askHRgreen.org				
July 1, 2021 - June 30, 2022				
Annual Campaign Totals	**PPC Impressions**	**PPC Clicks**	**Impression Share**	**Click Thru Rate**
	274,428	21,771	62%	7.93%
July 1, 2020 - June 30, 2021	376,459	16,103	50%	4.28%
Top 10 Keyword Groups	**PPC Impressions**	**PPC Clicks**	**Impression Share**	**Click Thru Rate**
Search - dynamic ad group	36,463	6,123	87%	16.79%
Electronics Disposal	29,721	4,261	71%	14.34%
Recycling At Home	50,415	3,067	65%	6.08%
Native Plants	54,192	2,268	35%	4.19%
Lawn Care	41,207	1,761	66%	4.27%
Battery Disposal	10,374	1,256	80%	12.11%
Medication Disposal	7,452	1,201	84%	16.12%
askHRgreen General	1,978	463	71%	23.41%
Tap Water	13,920	387	64%	2.78%
Soil Testing	4,167	206	60%	4.94%

July 1, 2021 - July 31, 2021				
Total Monthly Campaign	**PPC Impressions**	**PPC Clicks**	**Impression Share**	**Click Thru Rate**
	22,719	1,628	57%	7.16%
July 1, 2020 - July 31, 2020	46,318	942	41%	2.03%
Top 10 Keyword Groups	**PPC Impressions**	**PPC Clicks**	**Impression Share**	**Click Thru Rate**
Search - dynamic ad group	3,414	592	89%	17.34%
Electronics Disposal	2,399	317	65%	13.21%
Native Plants	4,267	166	23%	3.89%
Lawn Care	4,089	132	63%	3.23%
Battery Disposal	942	106	76%	11.25%
Medication Diposal	530	105	76%	19.81%
Recycling At Home	2,239	77	41%	3.44%
Tap Water	1,515	27	51%	1.78%
Soil Testing	426	21	56%	4.93%
Plastic Bag Recycling	226	19	43%	8.41%

August 1, 2021 - August 31, 2021				
Total Monthly Campaign	**PPC Impressions**	**PPC Clicks**	**Impression Share**	**Click Thru Rate**
	22,227	1,692	59%	7.61%
Aug 1, 2020 - Aug 31, 2020	50,011	1,449	46%	2.90%
Top 10 Keyword Groups	**PPC Impressions**	**PPC Clicks**	**Impression Share**	**Click Thru Rate**
Search - dynamic ad group	3,587	658	90%	18.34%
Electronics Disposal	2,217	306	65%	13.80%
Native Plants	3,667	160	29%	4.36%
Lawn Care	4,123	155	60%	3.76%
Battery Disposal	876	96	73%	10.96%
Recycling At Home	2,510	75	48%	2.99%
askHRgreen General	211	67	81%	31.75%
Tap Water	1,855	54	50%	2.91%
Medication Diposal	361	49	74%	13.57%
Plastic Bag Recycling	262	23	48%	8.78%

September 1, 2021 - September 30, 2021				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	27,387	1,832	51%	6.69%
Sept 1, 2020 - Sept 30, 2020	42,713	1,484	62%	3.47%
Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	3,551	659	85%	18.56%
Lawn Care	6,214	271	55%	4.36%
Electronics Disposal	2,083	257	63%	12.34%
Native Plants	6,366	236	28%	3.71%
Recycling At Home	3,373	110	43%	3.26%
Battery Disposal	896	89	73%	9.93%
Medication Diposal	366	59	67%	16.12%
Tap Water	1,441	37	50%	2.57%
Soil Testing	445	18	64%	4.04%
TMDL	530	9	45%	1.70%

October 1, 2021 - October 31, 2021				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	28,121	1,732	59%	6.16%
Oct 1, 2020 - Oct 31, 2020	37,250	1,582	62%	4.25%
Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	2,641	426	83%	16.13%
Electronics Disposal	2,335	289	69%	12.38%
Lawn Care	5,827	251	64%	4.31%
Native Plants	5,773	193	35%	3.34%
Recycling At Home	4,663	182	58%	3.90%
Medication Diposal	1,092	139	85%	12.73%
Battery Disposal	893	87	75%	9.74%
Tap Water	1,448	42	63%	2.90%
askHRgreen General	198	37	69%	18.69%
Soil Testing	422	24	59%	5.69%

November 1, 2021 - November 30, 2021				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	21,928	1,670	71%	7.62%
Nov 1, 2020 - Nov 30, 2020	28,857	1,482	62%	5.14%
Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	3,236	520	86%	16.07%
Electronics Disposal	2,530	343	75%	13.56%
Recycling At Home	5,055	257	68%	5.08%
Battery Disposal	1,045	123	83%	11.77%
Lawn Care	2,882	114	71%	3.96%
Medication Diposal	608	96	91%	15.79%
Native Plants	2,775	92	50%	3.32%
Tap Water	1,214	33	75%	2.72%
askHRgreen General	167	29	69%	17.37%
Soil Testing	297	15	67%	5.05%

December 1, 2021 - December 31, 2021				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	17,887	1,516	75%	8.48%
Dec 1, 2020 - Dec 31, 2020	28,113	1,567	66%	5.57%
Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	2,880	445	90%	15.45%
Electronics Disposal	2,395	345	77%	14.41%
Recycling At Home	4,077	247	72%	6.06%
Battery Disposal	1,126	136	84%	12.08%
Medication Diposal	590	86	90%	14.58%
Lawn Care	1,636	72	79%	4.40%
Native Plants	1,718	58	47%	3.38%
Tap Water	1,166	41	83%	3.52%
Soil Testing	216	17	75%	7.87%
askHRgreen General	140	15	66%	10.71%

January 1, 2022 - January 31, 2022				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	18,401	1,686	70%	9.16%
Jan 1, 2021 - Jan 31, 2021	33,011	1,524	59%	4.62%
Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	3,208	491	88%	15.31%
Electronics Disposal	2,629	394	75%	14.99%
Recycling At Home	4,071	262	67%	6.44%
Battery Disposal	1,001	133	85%	13.29%
Medication Diposal	673	123	89%	18.28%
Native Plants	2,242	90	36%	4.01%
Lawn Care	1,182	48	75%	4.06%
Tap Water	1,333	47	77%	3.53%
askHRgreen General	132	32	77%	24.24%
Great American Cleanup	133	14	47%	10.53%

February 1, 2022 - February 28, 2022				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	19,899	1,697	64%	8.53%
Feb 1, 2021 - Feb 29, 2021	23,123	1,269	58%	5.49%
Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	2,467	412	86%	16.70%
Electronics Disposal	2,485	352	74%	14.16%
Recycling At Home	3,672	226	65%	6.15%
Lawn Care	2,941	171	69%	5.81%
Native Plants	3,328	149	36%	4.48%
Medication Diposal	664	107	80%	16.11%
Battery Disposal	818	105	82%	12.84%
askHRgreen General	139	36	74%	25.90%
Tap Water	1,077	31	67%	2.88%
Soil Testing	383	30	62%	7.83%

March 1, 2022 - March 31, 2022				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	23,430	2,001	62%	8.57%
March 1, 2021 - March 31, 2021	7,806	180	91%	2.31%
Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	2,815	487	83%	17.30%
Electronics Disposal	2,554	373	71%	14.60%
Recycling At Home	3,939	288	65%	7.31%
Native Plants	4,818	216	34%	4.48%
Lawn Care	4,373	207	69%	4.73%
Medication Diposal	644	108	85%	16.77%
Battery Disposal	721	104	81%	14.42%
askHRgreen General	247	71	70%	28.74%
Great American Cleanup	302	61	53%	20.20%
Soil Testing	469	25	64%	5.33%

April 1, 2022 - April 30, 2022				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	25,414	2,224	57%	8.75%
April 1, 2021 -April 30, 2021	30,164	1,668	47%	5.53%
Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	2,807	515	84%	18.35%
Electronics Disposal	2,716	446	70%	16.42%
Recycling At Home	5,196	410	66%	7.89%
Native Plants	7,049	313	31%	4.44%
Lawn Care	3,241	152	66%	4.69%
Medication Diposal	811	140	81%	17.26%
Battery Disposal	678	91	80%	13.42%
askHRgreen General	187	40	62%	21.39%
Rain Barrels	335	21	59%	6.27%
Great American Cleanup	225	16	31%	7.11%

May 1, 2022 - May 31, 2022				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	25,569	2,169	62%	8.48%
May 1, 2021 -May 31, 2021	26,286	1,693	53%	6.44%

Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Search - dynamic ad group	3,288	498	85%	15.15%
Electronics Disposal	2,875	461	75%	16.03%
Recycling At Home	5,779	456	70%	7.89%
Native Plants	7,193	312	37%	4.34%
Lawn Care	2,628	115	69%	4.38%
Battery Disposal	727	106	83%	14.58%
Medication Diposal	548	95	86%	17.34%
askHRgreen General	157	42	74%	26.75%
Tap Water	630	20	50%	3.17%
Rain Barrels	345	18	49%	5.22%

June 1, 2022 - June 30, 2022				
Total Monthly Campaign	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
	21,536	1,924	70%	8.93%
June 1, 2021 -June 30, 2021	22,807	1,263	64%	5.54%

Top 10 Keyword Groups	PPC Impressions	PPC Clicks	Impression Share	Click Thru Rate
Recycling At Home	5,841	477	76%	8.17%
Search - dynamic ad group	2,569	420	90%	16.35%
Electronics Disposal	2,503	378	78%	15.10%
Native Plants	4,996	283	49%	5.66%
Medication Diposal	565	94	87%	16.64%
Battery Disposal	651	80	83%	12.29%
Lawn Care	2,071	73	77%	3.52%
askHRgreen General	133	39	72%	29.32%
Tap Water	794	24	70%	3.02%
Rain Barrels	285	14	62%	4.91%

askHRgreen.org

Summary for FY22 Environmental Education Mini Grants

Total Projects Funded in FY21: 20
FY22 Mini Grant Budget: $10,000.00
Total Grant Funds Awarded: $9,378.34

Name of Project	Number of Students	School/Facility	City/County	Awarded
Northampton Little League Recycles	106	Northampton Little League	Northampton	500.00
Saving Trees – One Book at a Time	529	Pembroke Elementary School	Virginia Beach	440.11
The Fourth Element: Adding Sustainable Water Sources to Complete the Habitat	600	York County Beautification Committee	York County	500.00
St. Helena Recycling Project	315	St. Helena Elementary School	Norfolk	482.72
Food for the Tummy, Food for the Soul: The Sequel	200	Newtown Elementary School	Virginia Beach	500.00
Native Garden for Pollinators	60	Crittenden Middle School	Newport News	500.00
Growing the Best SPS	6,000	Suffolk Public Schools	Suffolk	500.00
Machen Mustangs Community Mural Project	350+	Machen Elementary School	Hampton	500.00
Compost Recycling Project	16	Salem High School	Virginia Beach	500.00
Recycling in the Classroom	90	Phoebus High School	Hampton	500.00
Classroom Paper Recycling Program	500	Mary Peake Elementary School	Hampton	241.71
Gardening Across the Curriculum	170	Norfolk Academy	Norfolk	500.00
Recycling in the Classroom	420	Catholic High School	Virginia Beach	500.00
Paper and Plastic Recycling	487	Alfred S. Forrest Elementary School	Hampton	213.80
Bin Brigade	15	Kecoughtan High School Ecology Club	Hampton	500.00
Meditation Garden	93	Hampton High School, IB Academy	Hampton	500.00
Rain Garden and Bee Hives	40	The Hague School	Norfolk	500.00
Caterpillars in Classrooms	720	Hoffler Creek Wildlife Foundation, Inc.	Portsmouth	500.00
How Single Use Plastics are Ruining Our Beaches and Oceans	420	Hermitage Elementary School Ecology Club	Virginia Beach	500.00

Name of Project	Number of Students	School/Facility	City/County	Awarded
Sweets for Students	**30**	**Williamsburg Community Growers**	**Lightfoot**	**500.00**

Project	**Northampton Little League Recycles**
Recipient	**Northampton Little League**
Locality	**Northampton**
Award	**500.00**

Project Description: The league has never implemented a recycling program before, and is trying to start one. There is a concession stand that sells water, Gatorade and soda - all of which people currently throw in the trashcans. There is also a lot of litter due to the lack of waste receptacles and being close to a school. In addition to the people at games, practices, and various events there is also school traffic. There is litter pickup when possible but the league is hoping that with additional receptacles, including recycling, we can reduce the amount of litter and trash overall.

Project Outcome:

What did the students enjoy the most about this project?

How could a similar project be improved?

**There was a change in contact people as the original person, Lisa McAdoo, is no longer on the Board for the Little League. The new contact person, Kristen Slaughter, was not aware of needing to take photos and did not have the information for our Project Summary Form. Ms. Slaughter was very thankful for our help and stated:*
"The grant helped us provide more trash cans at our location to keep a clean environment. For the first time we used recycling bins to keep our location eco-friendly and for these reasons we are very thankful for the help your business provided."

Project	**Saving Trees – One Book at a Time**
Recipient	**Pembroke Elementary School**
Locality	**Virginia Beach**
Award	**440.11**

Project Description: According to the Global Forest Resource Assessment, 80,000 to 160,000 trees are cut down each day with a significant percentage being used in the paper industry. Annually, more than 320 million books are thrown away rather than recycled or reused. We believe we can make a difference for the 500 students at our school and our neighborhood community by constructing a Little Free Library where kids and families can recycle and reuse books thus having a positive impact on the environment. After educating the students about the benefits of recycling paper and books, we will reveal The Little Free Library. This outdoor community library book box will allow our students the opportunity to recycle their gently used books for the enjoyment of others. The box will be displayed prominently in front of the school and available 24/7 for children and community members. The Little Free Library is constructed out of eco-friendly plastic lumber made out of recycled milk jugs and will last for many years to come.

Project Outcome: The Saving Trees project successfully met the SOL requirements of 3rd and 4th graders. Students in grade 3, learned that members of a community must work together to conserve resources and maintain the health of the environment. Students read and responded to Use It, Reuse It Plastics by creating posters and announcements for the school. Students in Grade 4 learned about the

negative effects of plastics in the ocean. Students read articles about gyres in the ocean and brainstormed ways to reduce plastic consumption. Students in Grade 2 read The Adventures of a Plastic Bottle and learned how plastics (like our school milk jugs) can be repurposed into new products like our Little Free Library box.

What did the students enjoy the most about this project? Students thoroughly enjoyed learning how their contributions could make a powerful impact in their community. In addition to finding ways to reduce, reuse, and recycle school products, students learned they could donate books they had outgrown to their school family. The SCA held a community book donation drive collecting over 100 books. Staff members joined in and donated another 100 plus books. Finding favorite titles in the new Little Free Library box has been exciting for students and their families.

How could a similar project be improved? This project could have been improved by establishing a timeline for implementation. COVID protocols at the beginning of the school year made launching the project challenging. Classes were not allowed to mix with one another and after school clubs and activities were halted for the first semester. We were thus unable to begin the project until January 2022. Additionally, we had to come up with new ways to execute our project. We chose to use part of the student's library lesson time to discuss recycling and reducing plastic consumption, the effects of plastics on the environment, and ability to make a difference in our community by increasing awareness and donating books.

Dear HR green Friends,

thank you for our Little free library.
I Love to read. The plastic feels like
wood. I like to share my books.

Your friend,
Adam

Project	**The Fourth Element: Adding Sustainable Water Sources to Complete the Habitat**
Recipient	**York County Beautification Committee**
Locality	**York County**
Award	**500.00**

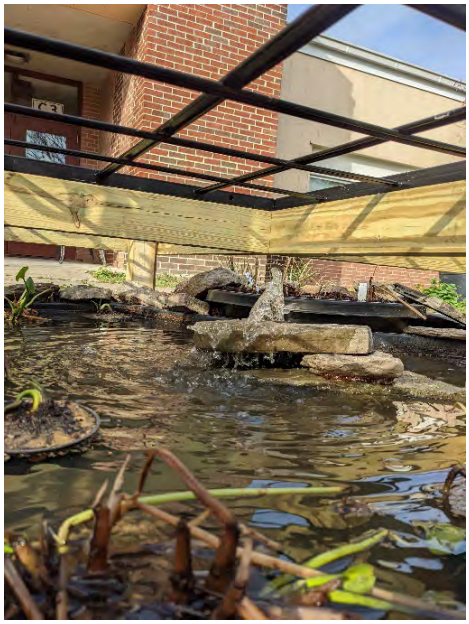
Project Description: This improvement project will introduce a small pond, rain barrel, and rain gauge to the school's main courtyard, which includes several distinct garden areas. New educational signage near each of the key pieces of this project would focus on the importance of water as a natural resource and a key element of a healthy habitat.

Project Outcome: The project started later in the year than anticipated, so we are just finishing up (Dec. 2021). In fact, the final touches were added during winter break, so students and teachers have not had

a chance yet to use the finished product. However, many have expressed interest in using it in the future, especially come Spring when we hope to have tadpoles in residence. During the course of the project, we discovered that the SPED classes use the courtyard as a recess space, and the children were greatly enjoying the pond in progress. This caused us to prioritize a safety cover. It was part of the plan, but we expedited it. We also learned they were using a weedy sand area, and the PTA was able to fund and install a new, clean sandbox for the children to enjoy. We were able to shop for materials at discounted rates from a number of the places that supplied us. They all seemed eager to help with the project. We were able to introduce dozens of native aquatic plants into and around the pond area. In the coming months, we plan to use the pond with the teachers to enhance their lessons. We all look forward to enjoying the new water feature.

What did the students enjoy the most about this project? So far the students have really enjoyed the water source. Some kids have been splashing in the water. We had students enthusiastically help dig the hole for the pond, mulch it, and mix the soil into the bog. The favorite part of most students is watching the fountain. It is solar powered, and depending on the amount and quality of light hitting the panel, the shape of the water changes.

How could a similar project be improved? This project definitely took longer and cost more than was expected. We went over budget by 8 cents with the York County Beautification Committee, and the Grafton Bethel PTA supplemented the grant money for the project as well, spending an additional $184.96. This also doesn't take into account the donated materials and the hours of work that our volunteers gave to the project. Since we completed the project in the winter time, there are not as many creatures that are out and active. Also, students and teachers are not spending as much time outdoors because of the weather. That said, the project looks beautiful and should be a wonderful habitat for all the creatures in the courtyard. We are all extremely pleased with the results of the project and look forward to enjoying it even more in the Spring.



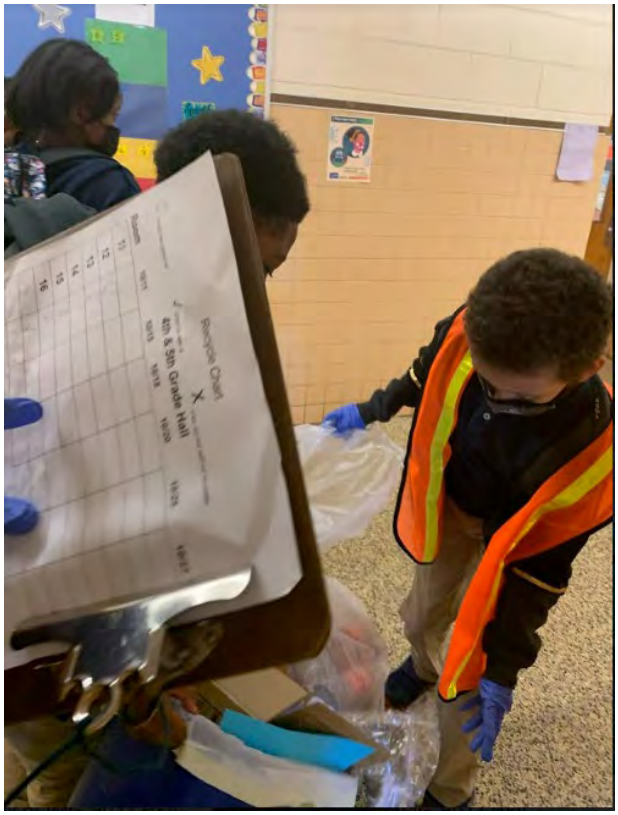
Project	**St. Helena Recycling Project**
Recipient	**St. Helena Elementary School**
Locality	**Norfolk**
Award	**482.72**

Project Description: St. Helena students will learn about recycling. Once they have been introduced to the program each class will be given a recycling can. A recycling team made up of third - fifth graders will collect the recycling twice a week. The students will record which class cans were used and the amount. The top recycling class will be announced on the morning news show. There will also be a poster contest having students create posters to encourage students to recycle.

Project Outcome: The project was a success. Recycling started slow at the beginning of the school year. By the end of the school year the blue cans were filled and ready to recycle twice a week. This project hit science SOL objectives that dealt with recycling.

What did the students enjoy the most about this project? Students loved being part of the team. They loved going around the building and collecting items from the blue cans.

How could a similar project be improved? Would review with each class next year what items can be put in the blue cans and also how they can recycle the same objects at home.



Project	**Food for the Tummy, Food for the Soul: The Sequel**
Recipient	**Newtown Elementary School**
Locality	**Virginia Beach**
Award	**500.00**

Project Description: Newtown Elementary's Garden Program has grown exponentially since its first beginnings. There is now a sizeable vegetable garden to complement the butterfly, herb, and other gardens. A green house has been added and the district has launched a Scratch Cooking program to hopefully be supplied by a student led garden project with the students cooking what they grow. The garden is now fenced in and we have plenty of furniture. The district has added outdoor wifi access points to make them digitally ready. We are gearing up for a Fall and Winter growing season and need some help with seeds, plants, and lumber to replace rotting framing. We are adding in composting and natural heat for the green house like a heat sink. The students grow and pick the vegetables and learn about so much, even something as simple as patterns and arrays in math. The students truly love the garden experience. Our families love our Thirsty Thursday concept when they get to come in and learn as well. The staff are learning about vegetables, what parts are edible, how to tell when it can be picked, and what happens if you wait too long to pick it and more.

Project Outcome: This year saw a huge growth in staff and community participation. We were also able to get the most school grown vegetables used in the cafeteria this year. Ms. Criss, our cafeteria manager, would join the Garden Team on Thursdays and pick vegetables and the team of students would take them and prep them for use for the next day's lunch. Carrots, lettuce, and more used for salads and they also

made cole slaw from the cabbage we grew. This year also saw a big increase in the use of the green house to grow food during the winter as well as starting plants early.

What did the students enjoy the most about this project? The simple answer is anything that is not weeding. They really like the cooking component and providing vegetables to the whole school. We dried and vacuum sealed rosemary and they got such a joy from giving them to all the teachers and staff. They love any time you let them use tools as well.

How could a similar project be improved? Right now we only have an after school club on Thursdays, we need to get more interaction with the garden throughout the week. This helps with weeding, planting and harvesting. We lose a lot of vegetables that stay on the plant way too long. Especially if it rains the day the club was supposed to meet. Our next step is to try and find a way to incorporate a morning breakfast club that meets two days a week minimum at the start of the school day or a Garden Hour where kids are nominated to come spend some time with me in the garden during the day. We can combine instructional objectives in with caring for the garden and harvesting the food.

Project	**Native Garden for Pollinators**
Recipient	**Crittenden Middle School**
Locality	**Newport News**
Award	**500.00**

Project Description: The courtyard at Crittenden Middle School gets overgrown and is not really used by the students. Our courtyard project will create a native garden in part of the area that attracts pollinators, and create an area for the students to use. A Courtyard Club will be established and their responsibility will be to work on the garden. These students will also do research to understand why native plants are important to the area and why we need to attract pollinators to the garden. Many of the plants and materials used in the beginning of the project will be purchased from local nurseries. The students in the Courtyard Club will be in charge of the upkeep and maintenance of the garden.

Project Outcome: The students created four separate pollinator garden areas around a tree that we already had in the courtyard. They were involved in all of the planning, planting, and care of the pollinator garden.

What did the students enjoy the most about this project: The students enjoyed being outside working in the garden. They were actively engaged in during the project and all of the students found some aspect of working the courtyard that they were able to help with.

How could a similar project be improved? We need to start earlier in the year. My original timeline was to start in the Fall, but we didn't end up starting until the Spring. I also need to make sure that there are enough materials, such as shovels or trowels, for the students to use.

Project	**Growing the Best SPS**
Recipient	**Suffolk Public Schools**
Locality	**Suffolk**
Award	**500.00**

Project Description: Suffolk Public Schools is excited to acquire school gardens in all of our elementary schools. The purpose of this initiative is to extend the classroom beyond the four walls of a school. Students will have the opportunity to engage in hands-on learning while also increasing environmental awareness. Each school will have a desginee who will lead the monthly "garden goals." Our hope is for the students to see the cross-curricular connections as they will hypothesis, measure, record data, and read literature related to their school's garden. Each month students will have a focus and spend time outdoors tending to their garden.

Project Outcome: The askHRgreen.org Mini-Grant provided each of our elementary schools soil for their Spring gardens. These outdoor learning classrooms have allowed students to engage the 5C competency skills including collaboration and citizenship. Additionally, they made cross-curricular connections including growth and measurements.

What did the students enjoy the most about this project? Students most enjoyed the hands-on learning opportunities through gardening. They've been ableto see first hand plants grow into edible produce. Students have enjoyed tasting vegetables they've never been introduced to.

How could a similar project be improved? We have scheduled professional development for the teachers next month to help them make curriculum connections with their outdoor learning classrooms.

Project	**Machen Mustangs Community Mural Project**
Recipient	**Machen Elementary School**
Locality	**Hampton**
Award	**500.00**

Project Description: The aim of the project is to beautify one of the temporary buildings that is outside of the main school building. It currently houses music classes and is used every day, but the outside of the building is faded, peeling, and rusty. Since it sits on what is a community park when school is not in session, we would like to organize a project with our students to design and paint a mural on the side of the building facing the park.

Project Outcomes:

What did the students enjoy the most about this project?

How could a similar project be improved?

This applicant postponed the project until August 1st. We are still waiting on documentation.

Project	**Compost Recycling Project**
Recipient	**Salem High School**
Locality	**Virginia Beach**
Award	**500.00**

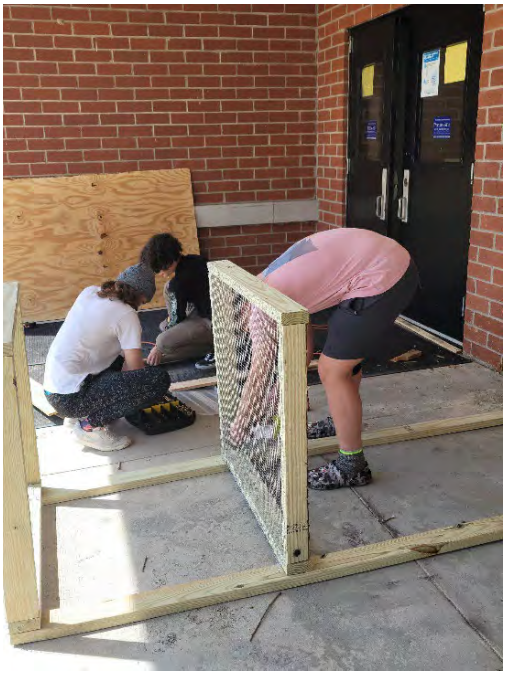
Project Description: This project is to build a three part compost bin and teach students how to recycle food waste into compost and use it to grow a variety of healthy edible plants. Start up materials will be purchased locally and long term maintenance will be provided by multiple student groups.

Project Outcome: Salem High School Compost Recycling Project was an intrical part of revitalizing the unused school garden. The goal for the 2021-2022 school year was to create hands-on learning for special education students, encourage more interaction among the entire student body, and teach Life Skills Math content through gardening. The project worked beautifully with these goals! To complete the Salem High School Compost Recycling Project, special education students from the Life Skills Math and Life Skills Transition class worked with students from the Informational Technology class. Students from the Informational Technology class were responsible for building the compost bin using the building plans provided. Students from the Life Skills Math and Life Skills Transition classes began preparing composting material from the school cafeteria to be added to the compost bin once completed. When the students from the Informational Technology course completed building the compost bin, students from the Life Skills Transition class lightly stained the front of the compost bin. Once the stain dried, the Life Skills Transition students had fun determining the correct configuration of the boards to slide into the front grooves as the final task of completion. The Life Skills classes and the Informational Technology class do not have SOL requirements; however, the hands-on learning of life skills and improved student interactions were well worth undertaking the building project of the compost bin.

What did the students enjoy the most about this project? The students enjoyed watching the breakdown of vegetable food scraps to the point of usable compost for the school garden. They have been looking forward to the completion of the compost bin to help with the composting process.

Revitalizing the school garden as a whole has been the biggest enjoyment for the students. The whole school has become involved in different ways. We plan to open the school year for 2022-2023 with a contest between the staff and the students to see who can fill up one of the compartments of the compost bin the fastest. We can't wait!

How could a similar project be improved? If I undertake a similar project in the future, I will expect the students from the Informational Technology class to provide updates on the build more often. In addition, I will try to create more opportunities for students from the Life Skills Math class to be more involved with the actual build. Scheduling conflicts made opportunities for involvement difficult.



Project	**Recycling in the Classroom**
Recipient	**Phoebus High School**
Locality	**Hampton**
Award	**500.00**

Project Description: The school will add recycling bins to classrooms to increase the amount of recycling captured in the school's recycling program. The school currently only has recycling available in the cafeteria and common areas.

Project Outcomes:

What did the students enjoy the most about this project?

How could a similar project be improved?

****We are still waiting on documentation from this applicant.***

Project	**Classroom Paper Recycling Program**
Recipient	**Mary Peake Elementary School**
Locality	**Hampton**
Award	**241.71**

Project Description: The project will be the first step towards recycling in the school. We will begin with paper recycling and place blue bins in each classroom. The goal is to have this project serve as a springboard to additional recycling and composting projects.

Project Outcomes:

What did the students enjoy the most about this project?

How could a similar project be improved?

***We are still waiting on documentation from this applicant.**

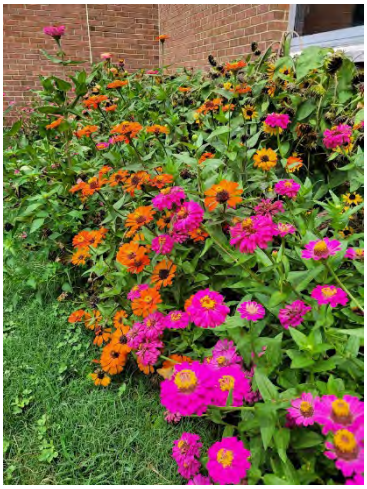
Project	**Gardening Across the Curriculum**
Recipient	**Norfolk Academy**
Locality	**Norfolk**
Award	**500.00**

Project Description: The 2nd and 4th grade classes are both doing hands-on, cross-curriculum learning activities based around two new garden areas just outside their classrooms. We have created four raised bed gardens to grow cool weather vegetables in the Fall and Spring, and are in the middle of creating two border gardens that will be home to butterfly caterpillar host plants and nectar sources for adult butterflies and other pollinators. There will not be chemical insecticides, herbicides or fertilizers.

Project Outcomes:

What did the students enjoy the most about this project?

How could a similar project be improved?



Project	**Recycling in the Classroom**
Recipient	**Catholic High School**
Locality	**Virginia Beach**
Award	**500.00**

Project Description: Catholic High School will add recycling bins to classrooms, the cafeteria, and common indoor and outdoor areas on campus to expand recycling at CHS. CHS currently only recycles cardboard.

Project Outcomes:

What did the students enjoy the most about this project?

How could a similar project be improved?

***We are still waiting on documentation from this applicant.**

Project	**Paper and Plastic Recycling**
Recipient	**Alfred S. Forrest Elementary School**
Locality	**Hampton**
Award	**213.80**

Project Description: We would like to kickstart a school-wide recycling program at our school. We have one large recycling bin, but we need small bins for individual classrooms to collect paper and plastic recycling materials.

Project Outcome: While Forrest had been on track for recycling for the last couple of years, it was mainly cardboard boxes and other items from main traffic/office areas. Each classroom and learning cottage was provided with their own blue recycling bin and since then paper and plastic recycling has increased tremendously throughout the building! It is almost overwhelming! As my class was a part of a Fall cleanup of the school grounds, I placed students in charge of walking to the rooms at the end of the week to help empty the bins. Other teachers have also let their own students empty the bins as well into the larger core bins in the building.

What did the students enjoy the most about this project? The students have enjoyed having another "job" that they were able to do for the class/school. They hav enjoyed getting to empy the bins, and specific students from my class have enjoyed the extra responsibility.

How could a similar project be improved? Next year we are going to continue our recycling efforts in partnership with our city's public works department, as we are off to a great start. While we do have an ecology club at the school that has headed recycling in the past, I am also hoping for the next year to start a "green team" at school with representatives from each grade level to be ambassadors for our revamped recycling program.

Project	**Bin Brigade**
Recipient	**Kecoughtan High School Ecology Club**
Locality	**Hampton**
Award	**500.00**

Project Description: We are trying to promote recycling by putting recycling bins in every classroom.

We will also make and put up posters that encourage recycling. These posters will tell what can and cannot be recycled. We will evaluate our success by using our litter index score and by the overall cleanliness of the school. Our plan in general is to continue the program with volunteer work from the Ecology Club.

The school has had a recycling program for over 10 years but must restart it from the pandemic shutdown. We are currently doing a limited program. A special education program for lower functioning students does the collection of classroom bins weekly to promote social skills. This will continue when the recycling program is expanded.

Project Outcome: We surveyed teachers to determine who needed bins, we ordered 44 bins and distributed them to the rooms from the survey. We then printed stickers about what can be recycled in the city and placed them on the outside of all recycling bins in the school. Stickers were printed by a student and packing tape will waterproof and secure the stickers for next year. We educated students about recycling via posters and the recycling game conducted during lunches. We encouraged recycling throughout the classrooms. Bins were emptied weekly by a team of students in the Special Education department. This teaches these students social skills by knocking on classroom doors and asking if there is recycling to be emptied. Approximately 35 new classrooms were added to the recycling pick-up route by the end of the school year.

What did the students enjoy the most about this project? Students felt like they were doing something good for the school and their peers by distributing recycling bins and doing the educational game about how to recycle things the right way. Students learned more details about what is able to be recycled in the bins. Club members spent six hours with the general public at the Hampton Clean Commission Earth Day celebration conducting the same educational recycling game and spreading the word about what can and cannot be recycled.

How could a similar project be improved? It would have been better to have done this project in the Fall so more students could have participated in the recycling activity in the cafeteria. We did this game during SOL testing when some club members were not available to help. We put educational stickers on the bins in June, and therefore missed opportunities to further educate students on what to place in the bins in order to avoid contamination. Next year we will start with education on recycling in September including the recycling game in the cafeteria, posters (we took them down to reuse) and announcements. We will be ready for America Recycles Day this year!

Project	**Meditation Garden**
Recipient	**Hampton High School, IB Academy**
Locality	**Hampton**
Award	**500.00**

Project Description: In the International Baccalaureate (IB) Academy at Hampton High School, several of the students started a garden initiative, to turn an unused courtyard space into a functioning garden filled with native pollinator plants and herbs for a meditative and learning space. The goal for this space is to help reduce stress by allowing high school students to disconnect from technology, and connect back with nature. This "Meditation Garden" will also be used as a pollinator garden and to teach local elementary and middle school students about native plants, pollination, growing gardens, and more. The primary garden will be circular in design, as inspired by the Native American Medicine Wheel Gardens, and the tables will be painted by our art students to add visual interest to the space. Finally, an "Eco Club" will be created to aid in the maintenance of the garden and to help create other environmental initiatives within the school for years to come.

Project Outcome: Students in several International Baccalaureate (IB) courses discussed, planned, and implemented various aspects of the Meditation Garden. Students learned about the connections of both meditation and gardening to Social Emotional Learning (SEL) in their Psychology classes. Students in art planned garden designs and mosaic ideas for the courtyard (to be implemented next year). Math students helped with the geometry aspect of the garden and almost all IB courses came out to help with the implementation of the garden. Visitors from the Hampton Clean City Commission and Master Gardeners came to talk to students about the benefits of gardens, pollinators, and give tips on gardening. The garden has more that can be done and there's more room for initiatives like Rain Barrels, but overall, the garden was a success.

What did the students enjoy the most about this project? Many students enjoyed the hands-on aspects of the garden, getting outside and out of the classroom. Even some of the more resistant students ended up surprising themselves with how well they liked creating the garden. Some students didn't love working outside, but everyone seemed engaged when our visitors talked about pollinators and the benefits of gardening as students were both answering questions and asking questions, too. Students all seem excited to be part of a project that will be able to be used next year for various purposes.

How could a similar project be improved? "Red Tape" caused delays in the implementation of this project, so in future endeavors we would need to start earlier getting approvals and obtaining funding. Also, despite this being a team project, some students had the mentality that it was only a project for specific classes or individuals, as students wouldn't all come to the CAS meetings, and not every teacher in the team participated in class. In the future, somehow making sure all staff work together to ensure all students have the same understanding of the project and/or doing large-group assemblies where everyone gets the same information, the same way, at the same times.

Project	**Rain Garden and Bee Hives**
Recipient	**The Hague School**
Locality	**Norfolk**
Award	**500.00**

Project Description: The Hague School proposes the construction of a rain garden and rain catchment/reuse system to be developed behind the school, alongside the brick walls facing our parking lot. Under the guidance of a master gardener, students and staff cleared rocks, weeds, and vegetation from these areas and prepared the ground for the installation of four raised garden boxes each measuring 4ft x 8ft x 10ft. Wood borders were installed and the beds were filled with organic soil. On the corner of the back patio, closest to the planned beds, a 125 gallon rain barrel will be installed beside the downspout and the downspout will be redirected to capture rain. The Elizabeth River Project granted us funding to cover the cost of the rain barrel. We are seeking funding to pay for the downspout redirection to the barrel and for plants to go into the gardens as well as trees and pollinator friendly plants, as we have acquired a bee hive and plan to care for an apiary on school grounds. We would like to plant tomatoes, cucumbers, pumpkins, peppers, and other vegetables and fruits. In regions around the front and sides of the school, students will plant pomegranate trees, fig trees, and native species of trees that are flood tolerant.

Project Outcome:

What did the students enjoy the most about this project?

How could a similar project be improved?

****This is postponed until the Fall and the applicant has already received the check***

.Project	**Caterpillars in Classrooms**
Recipient	**Hoffler Creek Wildlife Foundation, Inc.**
Locality	**Portsmouth**
Award	**500.00**

Project Description: Caterpillars in Classrooms is a program designed to give 2nd-graders throughout Portsmouth Public Schools (PPS) an up-close look at the life cycle of butterflies. Students will observe firsthand as caterpillars eat, grow, form a chrysalis, emerge as beautiful butterflies, and eventually flutter away. As the designated release site, Hoffler Creek Wildlife Preserve's (HCWP) Pollinator Garden offers many native wildflower species that provide plenty of nectar to support butterflies and other insects. After the success of last year's pilot program, PPS purchased butterfly enclosures for 52 classrooms, tripling potential participation. Hoffler Creek Wildlife Foundation (HCWF) assumes responsibility for providing locally collected larvae, natural food sources, and caterpillar care instructions to maximize the project's success.

Project Outcome: Students in fifty-nine different classrooms throughout Portsmouth Public Schools witnessed the fascinating development of Black Swallowtail Butterflies firsthand. This unique experience, coupled with virtual tours of Hoffler Creek Wildlife Preserve, kept students engaged and excited to learn even as summer vacation quickly approached. Some schools attributed increased attendance to the butterfly raising project, noting how thrilled the students were to see what changes occurred overnight. Overall, this project acted as a captivating educational tool for teachers to help students understand the life cycle of butterflies and instill an appreciation for the wonders of nature.

What did the students enjoy the most about this project? For many students, the most notable aspect of this project was how quickly the caterpillars grew before forming a chrysalis. The voracious creatures eagerly devoured the provided fennel in preparation for their metamorphosis. Teachers reported that the children consistently could not wait to see how much larger the caterpillars were each day. Students were also delighted to release the butterflies alongside their classmates once the project concluded.

How could a similar project be improved? After the pilot of Caterpillars in Classrooms in 2021, we made a few adjustments to the project this year. Supplying more fennel per caterpillar and branches for the chrysalises to attach to were well-received improvements. The option to release butterflies on school grounds allowed more students to be present during the release, providing a more well-rounded experience. Unfortunately, as expected, some caterpillars did not make it through the entire metamorphosis process. To account for this factor next year, we will explore a few sources for collecting additional larvae so that all students have the opportunity to witness the complete life cycle.

Project	**How Single Use Plastics are Ruining Our Beaches and Oceans**
Recipient	**Hermitage Elementary School Ecology Club**
Locality	**Virginia Beach**
Award	**500.00**

Project Description: The project is to purchase books that tell stories of ocean pollution and how single use plastics are ruining oceans and beaches. The Ecology Club is made up of 5th graders who participate in several projects throughout the school year; oyster restoration, growing wetlands grasses, and beach cleanups. By reading the books to our K-3 students we hope to education them about the problems of single use plastics along our coast.

Project Outcome: We were able to purchase 36 new hardcover books for our school library. Every book tells stories with environmental messages. Some are all about ocean pollution and beach cleanups, others tells stories of children making a difference in their home towns. These books are available for check out. Our librarian is going to showcase these books on our morning news show. There are books for students in kindergarten - 5th grade. The Ecology Club goes into classes to read to other students. We hope this inspires our students to get out and make a difference.

What did the students enjoy the most about this project? The Ecology Club members enjoy reading to the younger students. We are encouraging others to join our monthly beach cleanups. We are making everyone aware that single use plastics are creating major pollution problems in our oceans and on our beaches. The Ecology Club members had fun making the donations to the library and stocking the "Green" shelf.

How could a similar project be improved? This has been a great project! The books are awesome and send the kind of messages we want our students to learn and share. I am not sure how we can improve the project. We got a lot of quality books for our grant money. We hope to add to this green collection for years to come.

Project continued into FY22

Project	**Sweets for Students**
Recipient	**Williamsburg Community Growers**
Locality	**Lightfoot**
Award	**$500**

****This project was funded in FY21 but was completed during the 2021-2022 school year***

Project Description: We have had great success with growing sweet potatoes at our Teaching Farm. The life cycle from ordering slips to harvesting potatoes is long and we have been able to host numerous

"service learners" to participate - even through COVID. Students have even volunteered at our farm and info stand to educate visitors and sell, by donation, the sweets. There are so many life skills learned by our student volunteers. See our Facebook page for great pictures of the students.

Project Outcome: We had several students attend our volunteer work parties diligently and then also work our Saturday morning Farm Stand. They participated in the entire “slip to stand” process. They also designed our banner to advertise the Farm Stand. This was so successful that we had extra sweet potatoes to give to the local high school cafe to serve for lunch. We also had Scout troops come out to help harvest the potatoes. We will continue to expand our sweet potato field each year.

What did the students enjoy the most about this project? They really enjoyed the agri-business piece, working at the Farm Stand, educating and interacting with customers. Great life skills! And of course, digging up the potatoes is like an Easter Egg Hunt! We had some jumbos!

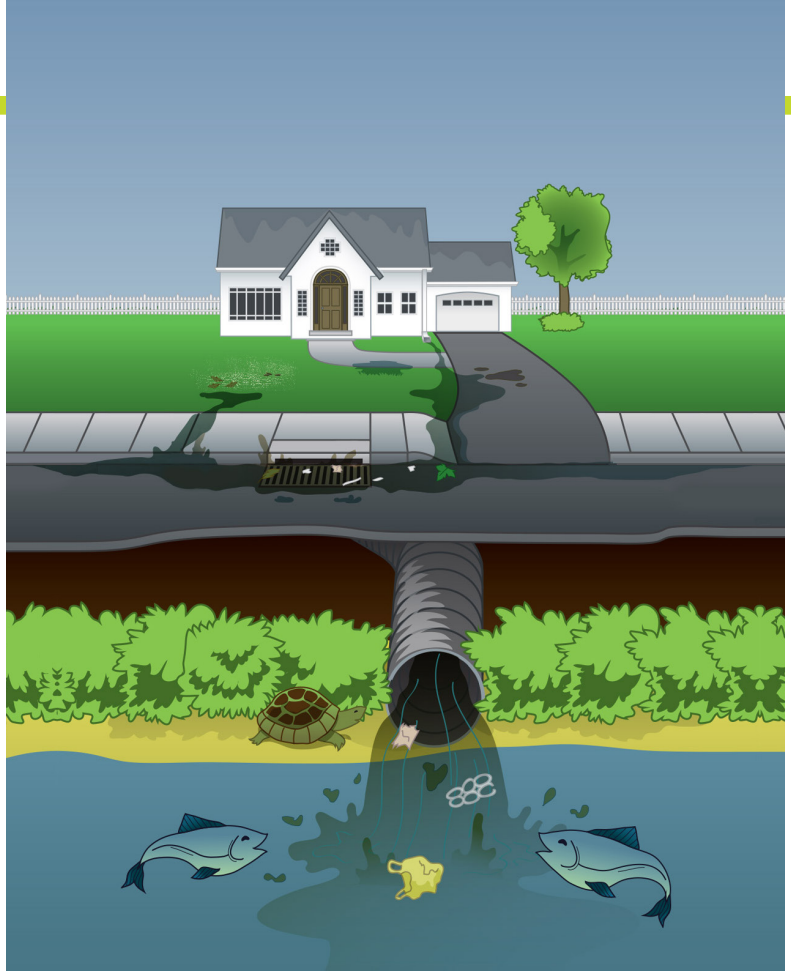
How could a similar project be improved? I think they could handle more than one crop. We have been similarly successful with growing kale on our urban farm and they could be involved with that from starting the seeds, through planting and maintenance, to sales. That would be of particular interest as it often overwinters, showing that you can grow fresh, healthy produce year around in our region.

CITY OF NORFOLK PUBLIC WORKS

Fee Reduction Program

ways you can reduce your stormwater fee

This Policy supersedes and repeals all prior policies or regulations on this subject.



Why Norfolk has a Stormwater Fee...

The City of Norfolk is mandated under the Municipal Separate Storm Sewer System (MS4), Phase I Virginia Pollutant Discharge Elimination System (VPDES) permit to reduce pollutants from storm water runoff. In the absence of federal and state funding, revenue for the environmental storm water management program is derived primarily from storm water fees outlined in Chapter 41.1 of the City Code and §15.2-2114 of the Virginia Code. The City currently assesses all property owners a fee based on a 2,000 square foot equivalent residential unit (ERU). This fee is utilized to cover the cost of services for the collection, treatment and discharge of storm water runoff. This fee structure is comparable to the fees charged by other Hampton Roads Phase I municipalities, including Newport News, Hampton, Chesapeake, Portsmouth and Virginia Beach.

Fee Reductions = Pollution Reductions

The City of Norfolk's Environmental Storm Water Fee Reduction policy is designed to encourage commercial, industrial, and residential property owners to take measures which can reduce the impact their properties have on the quality of our waterways by reducing the amount of pollutants entering the storm water system. It is important to note that the storm water fee reduction program is intended to provide incentives for pollution reduction efforts.

In order to receive the reduction from the storm water utility, the property owner must submit an application including required supporting documentation to the Director of Public Works or his designee for review and approval.

How It Works....

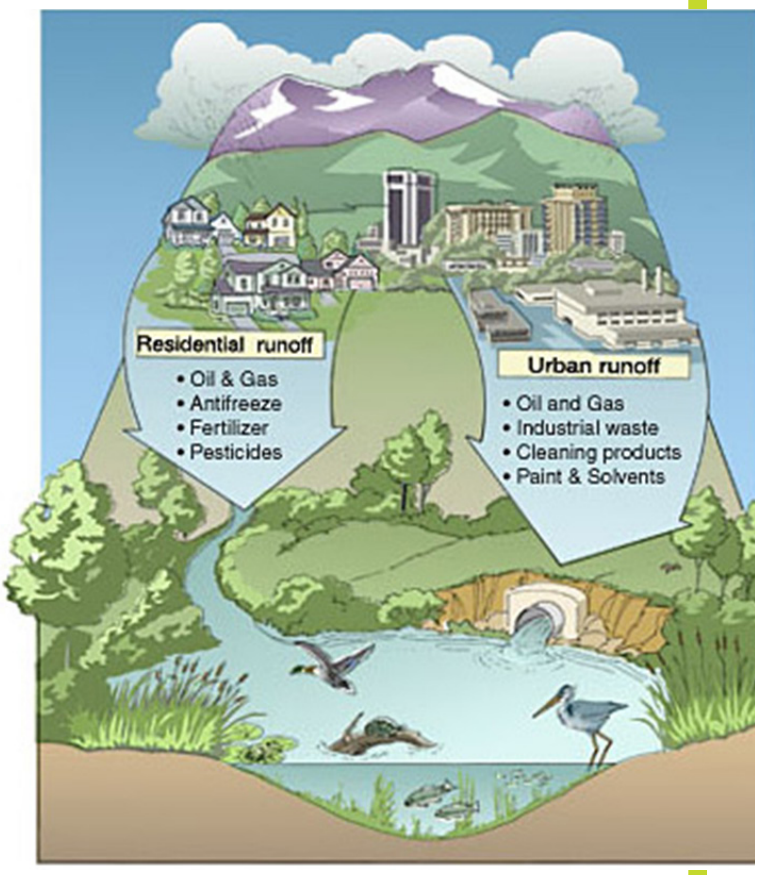
Fee charges under the Environmental Storm Water Management Program may be reduced under the following circumstances:

- Installation of **Residential** (one but no more than four residential/dwelling units) storm water management facilities
- Installation of **Non-residential** (property not meeting the residential criteria, including, but not limitied to, industrial, commerical, recreational, cultural, multi-family-5 units or more) storm water management facilities

See City code 41.1-1 for complete definitions

Fee reduction criteria are routinely reviewed by City staff to ensure compliance with the reduction program. If the City determines the site characteristics surrounding the reduction are no longer valid, the discount shall be eliminated from the account. Because the reduction is designed to reduce pollutants entering the storm water system, the fee discount may be eliminated if the property owner is found to violate City Code 41.1-4, Pollution of the Storm Water System.

If a property owner desires to modify their request, a new application must be completed and submitted.



The maximum reduction any one entity may receive through this reduction program **is a 60%** reduction in their total storm water utility fee. When comparing total land use of impervious area within Norfolk, 40% is publicly owned and is of benefit to all property owners within Norfolk. Therefore everyone must contribute to the maintenance of the system.

What is a SWMF?

Storm Water Management Facilities (SWMF) are facilities which have been shown to be effective in helping to remove pollutants from storm water runoff. As an incentive for SWMF construction, storm water fee reductions may be given for construction and maintenance of SWMFs as outlined in the current Norfolk Design & Construction Manual. These SWMFs, when properly constructed and maintained, have been shown to reduce runoff pollution from the site.

Residential Fee Reduction Program

The City is providing a discount to residential property owners who install storm water management facilities (SWMF) voluntarily on their property to aid in storm water (sw) runoff and/or pollutant removal. The discount will be based on the type of SWMF installed on the residential property and the area treated. **Once your SWMF has been approved and installed, homeowners are required to complete an annual inspection report on June 1st each year thereafter for continued fee reduction consideration.**

In order to qualify for a storm water fee reduction, the SWMF design and related calculations must be developed and reviewed by the City's Storm Water Engineer or his designee. The design of the SWMF shall meet the minimum drainage requirements as outlined in Table 1 and comply with the Norfolk Design & Construction Manual, Virginia Storm Water BMP Clearing House Manual, Virginia Tech Rain Garden Guide, or other City approved design specifications. Multiple SWMFs may be installed per property to stack load reductions; however, the stacked SWMFs may not treat the same drainage area. The maximum credit per site is 60%.

Residential SWMF Construction

The SWMF must be installed as outlined in the plan. Consultation with a qualified contractor is recommended, but not required. Property owners are required to follow all local, State, and Federal laws and acquire all required land disturbing, construction, and environmental permits. Site plan review may be required.

Right to Inspection

The City may inspect the SWMF at any time during the year. If the on-site stormwater storage is no longer functioning or has not been maintained, the City reserves the right to cancel the credit for up to three years.

At A Glance:

Example:
Property owner installs
1 rain garden and 2 rain barrels

20% credit rain garden
+ 10% credit rain barrel
+ 10% credit rain barrel
= 40% fee reduction

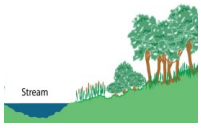
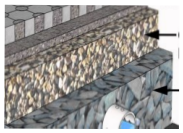
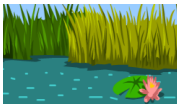
Multiple SWMFs may be installed per property to stack load reductions, but they may not treat the same drainage area.

Residential SWMF Inspections

The SWMF inspector will perform inspections throughout the installation process to ensure compliance with the approved plan requirements. Any supporting documents providing proof that the SWMF was installed and functioning as designed must be provided to the City prior to any rate reduction. The property must be fully stabilized to avoid sediment runoff prior to the reduction being approved.

The owner must complete an annual inspection of the SWMF. Inspections should include a photo of the SWMF and a written summary of any discrepancies with the SWMF and corrective actions taken. The inspection should be submitted to the Division no later than June 1 of each year and will be retained by the Division. Failure to submit the annual inspection will void the rate reduction starting on July 1.

Table 1: Residential SWMF Options

SWMF Types	Visual	% Credit	Min Drainage Area (sf)	Other Required Documentation
Rain Barrels		10	300	Barrel Volume | Roof Area Treated (sf)
Grass Swale		10	500	Drainage Area Treated | Swale length and average depth
Buffer Area		10	N/A	Planting Plan | Drainage Area | Buffer Length & Width
Nutrient Management Plan		10	100% of the site	Approved Plan
Cistern		10	300	Rain Cistern Volume | Roof Area Treated (sf) | Water Use
Bioswale		20	500	Planting Plan | Drainage Area Treated | Swale length and average depth
Rain Garden		20	500	Planting Plan | Drainage area treated | Surface area and average depth
Permeable Pavement with Underdrain		20	300	Drainage area treated | Surface area of pavement
Rooftop Disconnect with Soil Amendments		20	300	Length & Width of flow path | Amendment Depth
Green Roof		50	800	Green Roof Surface area | Planting Plan
Living Shoreline		50	N/A	Planting Plan | Applicable Permits | Length and Width of shoreline project

Residential SWMF Definitions

Rain Barrels/Cisterns: A tank used to catch rainwater running off roofs from a downspout.

Nutrient Management Plan: Program designed to manage the amount, source, placement, form and timing of the application of nutrients and soil amendments

Vegetated Filters: Bioswale, Grass Swale, Buffer Area. These are areas of dense turf, meadow grasses, trees or other vegetation with a minimum slope to absorb runoff from roof downspouts.

Rain Garden: Rain gardens are landscaped areas slightly below ground level that capture and filter stormwater runoff from a roof or other impervious (paved) surface.

Permeable Pavement: Pervious pavement may include concrete blocks, grid pavers, or pervious concrete or asphalt with a stone reservoir underneath. The reservoir temporarily stores surface runoff before seeping it into the soil below. Gravel is not considered pervious pavement.

Rooftop/Downspout Disconnect: This is the process of separating roof downspouts from the storm system and redirecting roof runoff onto pervious surfaces where soil amendments have been applied, most commonly a lawn.

Green Roof: Living roof is a roof of a building that is partially or completely covered with vegetation and a growing medium, planted over a waterproof membrane.

Living Shoreline: A shoreline protection option that allows for natural coastal processes to remain through the strategic placement of plants, stone, sand fill, and other structural and organic materials.

Non-Residential Property Fee Reduction Program

As an incentive for SWMF construction, fee reductions will be allowed for construction of approved SWMF's which reduce runoff pollution from the site. In order for a non-residential property to qualify for a storm water fee reduction, the SWMF design and related calculations must be developed and certified by a professional engineer or surveyor licensed to practice in the Commonwealth of Virginia. Pollutant loadings and SWMF effectiveness must be computed in accordance with the methods outlined in the Norfolk Design & Construction Manual.

The percent fee reduction will be computed to the nearest percent using the following formula:

% Fee Reduction
=
(% SWMF Efficiency Rating)
(Area served by SWMF in acres/
Total Site Area)

Multiple SWMFs may be installed for each property to stack load reductions; however, the stacked SWMF may not treat the same drainage area.

Up to 60% maximum credit per site

Non-Residential SWMF Construction

When constructing SWMFs, site plan review requirements and criteria must be followed. The design will be reviewed and approved through the site plan review process. If the formal process is not required (due to size limitations), the requirements and criteria still apply and the Division's Storm Water Engineer or his/her designee must review the proposed site plan prior to installation. A Declaration of Covenants must be signed by the property owner and filed with the Clerk of the Court prior to approval from the Division (copy of the Declaration will be kept on file at the Division).

A pre-construction meeting shall be arranged with the City's SWMF inspector at a minimum 48-hours prior to construction. The SWMF must be installed as outlined in the plan. Any modifications must be made by the engineer of record and the site plan adjusted as such, with approval from the Division. All sediment control measures must be installed prior to any land disturbing activity. All land disturbing permits and General Construction and Environmental Permits must be obtained where necessary.

Non-Residential SWMF Inspections

The SWMF inspector will perform inspections throughout the installation process to ensure compliance with site plan requirements. Any as-built or certifications providing proof that the SWMF was installed and functioning as designed must be provided to the City prior to any rate reduction. The property must be fully stabilized to avoid sediment runoff prior to the reduction being approved.

The owner must complete annual inspections of the SWMF. Inspections must be completed by a certified inspector and documented along with all discrepancies noted and corrective actions taken. These annual reports will be submitted to the Division no later than June 1 of each year. The inspection forms will be retained by the Division for the specific SWMF installed. Failure to submit the annual inspection reports will void the rate reduction starting on July 1.

The following items must be completed and submitted with your application to the Division to receive the reduction.

- Completed application for the Storm Water Fee Reduction/Waiver
- Proof of ownership of the facility
- Storm water system maintenance schedule
- Site Plan and Water Quality Calculations

Right to Inspection

The City may inspect the SWMF at any time during the year. If the on-site stormwater storage is no longer functioning or has not been maintained, the City reserves the right to cancel the credit for up to three years.

Residential and Non-Residential Application Checklist

- ☑ Applicant Name:
  Name of individual property owner
- ☑ Property Address:
  List address number and street name
  Include city and zip code.
- ☑ Mailing address include if different from property address.
- ☑ Parcel ID number:
  Each piece of land has its own parcel ID number. This information can be found on the City's website under Norfolk Air
- ☑ Phone number:
  The primary contact for the applicant
- ☑ Email address:
  The primary contact for the applicant
- ☑ Credits applying for:
  Select the credit for which the applicant is applying. If you are doing a residential project, check the first box. The other options relate to commercial properties and apartment complexes.
- ☑ SWFM type applying for
  Check ALL that apply
- ☑ Attach ALL SWMF plans.
- ☑ Checked and complied with all applicable City codes
- ☑ Applicant signature/date

Questions? Call 823-4010 or send a letter to SW Fee Reduction Program, Attn., Storm Water Engineer, 2233 McKann Ave, Norfolk VA 23509

Maintenance Requirements

Storm Water Management Facilities (SWMFs) installed on a property must be maintained to ensure continued function.

Restrictions on Credits

Transfer of credit:
The property credit applies only to the applicant. Credits do not transfer if home ownership changes. A new application must be submitted for new account holders to receive the credit.

The SWMF must meet all applicable City of Norfolk building, planning and zoning code requirements.

Right to Inspection

The City may inspect the SWMF at any time during the year. If the on-site stormwater storage is no longer functioning or has not been maintained, the City reserves the right to cancel the credit for up to three years.

Fee reductions associated with SWMF installation on residential and non-residential properties will become effective starting the first day of the following month after approval from the Director of Public Works or his designee. Retroactive rates reductions will not be considered. Rate reductions will be reviewed by the Director of Public Works or his designee annually during the month of June to ensure continued compliance with the rate reduction requirements. Failure to submit annual inspection reports for the previous year by June 1 may void the storm water rate reduction starting on July 1 and would require reapplication.

Stormwater Credit General Application

Applicant Name: _____

Property Address: _____

City/Zip: _____

Mailing address: (if different than property address) _____

City/Zip: _____

Parcel ID number: _____ Phone Number: _____

Email address: _____

Check One:

☐ This is the first credit application for this property.

☐ This is a credit renewal request.

☐ This is a reapplication after a credit suspension.

Credit applying for:

☐ Single-family residential property - **Complete Part 2 on next page**

☐ Multi-family/non-residential SWMF - **Supply Supporting Documentation**

- Proof of ownership
- Storm water maintenance schdule
- Copy of approved site plan
- Copy of storm water calulations
- As builts or certifications if applicable

Applicant/Contact Signature: _____

Date: _____

Mail to: City of Norfolk, Stormwater Utility, Attn: Stormwater Credit Applications
2233 McKann Avenue, Norfolk, VA 23509

Single Family Residential Stormwater Credit Application - Part 2

Applicant Name: _____ Parcel ID Number: _____

Credit Applying For: *Check all that apply*

☐ **RAIN GARDEN**

Drainage Area Treated: _____ Surface area & average depth: _____

Date of construction: _____ ☐ Planting plan attached

☐ **ON-SITE STORMWATER STORAGE**

☐ Rain barrels ☐ Cistern ☐ other

Roof area treated (sf): _____ Volume of on-site storage _____ gallons

Water use: _____

☐ **PERMEABLE PAVEMENT WITH UNDERDRAIN**

☐ Paving blocks ☐ grid or grass pavers ☐ pervious concrete or asphalt

Surface area of pavement (sf): _____ Drainage area treated (sf): _____

☐ Stone reservoir is at least 10 inches deep at all points ☐ Compliant with city code

☐ **VEGETATED FILTER**

☐ Bioswale ☐ Living Shoreline ☐ Buffer area ☐ Grass swale

Drainage area treated (sf): _____ Length & average depth: _____ ☐ Planting plan attached

☐ **LAWNCARE NUTRIENT MANAGEMENT PLAN**

☐ Approved plan attached

☐ **GREEN ROOF**

Roof surface area (sf): _____ ☐ Planting plan attached

☐ **ROOFTOP DISCONNECTS WITH SOIL AMENDMENTS**

Length & width of flow path (sf): _____ Amended soil depth (sf): _____

☐ **PHOTOGRAPH OF MEASURE AS INSTALLED IS ATTACHED**

Single Family Residential Stormwater Credit Application - Part 2

Sketch of property with SWMF shown. (Attach additional plans as needed)

All applicable local codes:

_____ (initial) I, the applicant, have complied with all local codes applicable to the installation of the SWMF.

Owner certification:

_____ (initial) I hereby certify that I own and live at the property and I further declare, under penalty of perjury, that the information provided by me in this application is the truth to the best of my knowledge and belief.

Applicant/Owner Signature:_____ Date: _____

Mail to:
City of Norfolk Public Works, Stormwater Utility, Attn: Stormwater Credit Applications
2233McKann Avenue, Norfolk VA 23509

City of Norfolk,

Stormwater Utility

2233 McKann Avenue

Norfolk, VA 23509

757.823.4010

www.norfolk.gov

THE CITY OF NORFOLK℠

PUBLIC WORKS

Adopted: October 2016

Stormwater Fee Reduction - Current Active Accounts

Name	Address	Parcel ID (Account #)	Email	Telephone	Accepted Practices	% Free Reduction/Credit	Date Credit Application Approved	Date Approved/Received 2018 Reinspection Report	Date Approved/Received 2019 Reinspection Report	Date Approved/Received 2020 Reinspection Report	Date Approved/Received 2021 Reinspection Report	Date Approved/Received 2022 Reinspection Report	Comment
Ruth Amundsen	5614 Shenandoah Ave. Norfolk, VA 23509	49210700	rma@cox.net	757-858-8548	Cistern, Rain Garden, Permeable Pavement, & Green Roof	60.0%	1/18/2017	5/30/2018	5/2/2019	5/12/2020	4/21/2021	4/7/2022	
Peter Marshall & Diane Horowitz	934 Westover Ave. Norfolk, VA 23507	879005	marshall.p1@cox.net	757-623-7093	4 Rain Barrels	40.0%	4/3/2017	5/16/2018	5/1/2019	5/10/2020	4/21/2021	4/8/2022	
Thomas Scarpelli	923 Westover Ave. Norfolk, VA 23507	6718500	thomas.scarpelli@cox.net	757-627-3407	1 Rain Barrel	10.0%	4/12/2017	5/29/2018	5/8/2019	5/12/2020	4/21/2021	4/7/2022	
James & Josephine Cole	232 E. Westmont Ave. Norfolk, VA 23503	1530885205	jacole23@cox.net	757-588-8623	1 Rain Barrel & 1 Rain Garden	30.0%	4/11/2017	5/6/2018	5/29/2019	5/19/2020	5/21/2021	5/27/2022	Secondary email-jfcole23@cox.net
James & Rebekah Weckerly	5421 Powhatan Ave. Norfolk, VA 23508	1429224337	jameseckerly@gmail.com	757-440-5276	1 Rain Barrel	10.0%	6/29/2017	6/4/2018	5/2/2019	5/21/2020	4/29/2021	4/10/2022	
Lucas Johnson	437 Rhode Island Ave., Norfolk, VA 23508	1438096855	lucasj24@gmail.com	703-216-4290	1 Rain Barrel, 1 Nutrient Management Plan, & 1 Rain Garden	40.0%	8/1/2017	5/29/2018	5/12/2019	5/25/2020	5/18/2021	5/18/2022	
Timothy Hixon	1409 Armistead Bridge Rd Norfolk, VA 23507	19490800	janethixson@cox.net	757-630-9130	2 Rain Barrel's	20.0%	4/8/2019	N/A	N/A	6/15/2020	4/21/2021	4/6/2022	
Elizabeth Burns	9500 Hammett Parkway Norfolk, VA 23509	26129250	burns228@cox.net	757-409-1272	1 Rain Barrel	10.0%	6/18/2019	N/A	N/A	6/9/2020	4/21/2021	4/12/2022	
Nancy DelVecchio	508 Waukesha Ave Norfolk, VA 23509	12947700	nancysd18@gmail.com	203-727-1178	1 Rain Barrel & 1 Rain Garden	30.0%	8/29/2019	N/A	N/A	5/19/2020	5/6/2021	5/2/2022	
Thomas Gournelos	4801 Newport Ave Norfolk, VA 23508	1428996967	gournelos@gmail.com	217-721-1080	3 Rain Barrels	30.0%	3/11/2020	N/A	N/A	N/A-Renewal not required in 2020 due to installation during FY19	6/1/2021	5/13/2022	
John Mabry	521 Fairfax Ave. Norfolk, VA 23507	1427791425	johnmabry@gmail.com	202-441-9910	2 Rain Barrel's	20.0%	5/15/2020	N/A	N/A	N/A-Renewal not required in 2020 due to installation during FY19	6/7/2021	5/30/2022	
William Gerhardt	2538 West Azalea Point Road Norfolk, VA 23518	1459385618	wpgerhardt@cox.net	757-588-7331	2 Rain Barrel's	20.0%	11/8/2020	N/A	N/A	N/A	6/16/2021	5/24/2022	
Jennifer Pfitzner	6012 S. River Road	35875000	jasp@smpcpa.com	804-651-5838	1 Living Shoreline	50.0%	8/4/2021	N/A	N/A	N/A	N/A	4/20/2022	
Ann Bolen	9542 18th Bay Street Norfolk, VA 23518	1550631643	bolenam@icloud.com	757-362-0337	2 Rain Barrel's, 1 Infiltration Trench, 1 Detention N	40.0%	4/20/2021	N/A	N/A	N/A	N/A	4/27/2022	
Michael Borkoowski	1824 Ara Street	1504667363	meb890@aol.com	757-650-8445	2 Rain Barrel's(updated to 3 Rain Barrel's 6/9/2022 with new application on file)	30.0%	7/29/2021	N/A	N/A	N/A	N/A	5/24/2022	
Paul & Linda Weiss	209 Regent Road	16001400	linda_weiss@cox.net	757-489-0274	1 Living Shoreline, 1 Rain Barrel	60.0%	9/14/2021	N/A	N/A	N/A	N/A	5/31/2022	
Deborah & David Stearns	107 W. Severn Road	10525875	easier@cox.net	757-489-4049	1 Living Shoreline, 1 Rain Barrel	60.0%	Date Credit Application Approved	N/A	N/A	N/A	N/A	4/10/2022	
Matthew Orensky	1153 Lexan Ave Norfolk , VA 23508	1429544619	mattorensky@gmail.com	757-650-4693	1 Rain Barrel, 1 Nutrient Management Plan	20.0%	7/14/2021	N/A	N/A	N/A	N/A	6/16/2022	
Monique Matuskowitz	3938 E Ocean View Ave Norfolk, VA 23518	16558800	maim.532@gmail.com	281-254-0014	3 Rain Barrels, Permeable Pavement	50.0%	7/7/2021	N/A	N/A	N/A	N/A	4/30/2022	
Kim Moshier	9272 Buckman Ave Norfolk, VA 23503	1531626281	moshierkim712@gmail.com	845-551-0181	1 Rain Barrel	10.0%	5/23/2022	N/A	N/A	N/A	N/A	N/A	
Phillip Boerner	4633 Kennebeck Ave Norfolk, VA 23513	4053600	harleyman95@gmail.com	757-270-3096	3 Rain Barrel's	30.0%	5/23/2022	N/A	N/A	N/A	N/A	N/A	
Rebecca Crockett	1046 Manchester Ave Norfolk, VA 23508	1429646357	sheshells@cox.net	757-622-5890	1 Rain Garden	20.0%	6/29/2022	N/A	N/A	N/A	N/A	N/A	

City of Norfolk, VA
2021 Chemical Spill Response Training
Monday, September 27, 2021

Pre-registered

	Last Name	First Name	Signature	Dept
1	Amos	Donald		PW Streets & Bridges
2	Andrews	Sam	Samuel M. Andrews Jr.	PW Storm Water Mgmt
3	Ashby	Anton		PW Streets & Bridges
4	Austin	Randy		PW Streets & Bridges
5	Banks	Craig		PW Waste Management
6	Boose	Tommie		PW Waste Management
7	Bright	Levon		PW Streets & Bridges
8	Broadnax	Jermel		PW Streets & Bridges
9	Bullock	Clarence		PW Waste Management
10	Carter	Donnie		PW Waste Management
11	Coston	Alvin		PW Waste Management
12	Cousins	Larry	Larry Cousins S & B	PW Streets & Bridges
13	Cross	Thomas		PW Streets & Bridges
14	Cuffee	Sterling		Norfolk SCOPE
15	Dalton	Gregory		PW Streets & Bridges
16	DeBerry	Tariq		PW Waste Management
17	Delahaya	Robert		PW Streets & Bridges
18	Dierks	Lindsay		Utilities
19	Doan	Audrey		PW Storm Water Mgmt
20	Dodd	Eric		PW Waste Management
21	Eddins	Jerold		PW Waste Management
22	Edmonds	William		PW Waste Management
23	Edwards	Donnell		PW Streets & Bridges

	Last Name	First Name	Signature	Dept
24	Evans	Deleno		PW Streets & Bridges
25	Fisher	Wallace		PW Storm Water Mgmt
26	Forrest	Myron		PW Storm Water Mgmt
27	Foster	Nathaniel		PW Streets & Bridges
28	Gordon	Tiffany		PW Storm Water Mgmt
29	Grant	Charles		PW Storm Water Mgmt
30	Green	Tim		PW Storm Water Mgmt
31	Hall	Xavier		PW Storm Water Mgmt
32	Henry	Shawn		PW Storm Water Mgmt
33	Hudgins	Ryan		PW Storm Water Mgmt
34	Ingram	Ryan		PW Storm Water Mgmt
35	Jefferson	Androse		PW Waste Management
36	Johnson	Anthony		PW Streets & Bridges
37	Johnson	Clifford		PW Waste Management
38	Latimer	Jasmine		PW Waste Management
39	Littlejohn	Christopher		PW Streets & Bridges
40	Mack	Peter		PW Storm Water Mgmt
41	Magruder	Casey		PW Storm Water Mgmt
42	McGuire	Danny		PW Storm Water Mgmt
43	Mead	Kacy		PW Streets & Bridges
44	Mendoza	Antonio		PW Storm Water Mgmt
45	Mills	Jonathan		PW Waste Management
46	Mullings	Juan		PW Streets & Bridges
47	Muniz	Jorge		PW Streets & Bridges
48	Norfleet	Chris		PW Storm Water Mgmt
49	Osibogun	Michael		PW Streets & Bridges

	Last Name	First Name	Signature	Dept
50	Parker	Miracle		PW Waste Management
51	Perry	James		PW Waste Management
52	Person II	Maurice		PW Waste Management
53	Quick	Kyle		PW Storm Water Mgmt
54	Rogers	Thomas		PW Streets & Bridges
55	Sharp	Charles		PW Waste Management
56	Smith	Bashond		PW Streets & Bridges
57	Smythe	Bryan		PW Streets & Bridges
58	Speller	Eric		PW Storm Water Mgmt
59	Speller	Alan		PW Waste Management
60	Spencer	Felicia		PW Storm Water Mgmt
61	Taylor	Chris		PW Storm Water Mgmt
62	Thompson	Calvin		PW Streets & Bridges
63	VanLear	Christina		PW Storm Water Mgmt
64	White	Madison		PW Storm Water Mgmt
65	Whitehurst	June		PW Storm Water Mgmt
66	Willard	Richard		PW Streets & Bridges
67	Willis	Marquill		PW Storm Water Mgmt
68	Wood	Patrick		PW Streets & Bridges

City of Norfolk, VA
2021 Chemical Spill Response Training
Monday, September 27, 2021

On-Site Registration

Please print clearly

	Last Name	First Name	Signature	Dept.	Phone #
1	HURDLE	TED		UTILITIES	757-334-8845
2	Flythe	Timothy		Water Distr.	
3	Wilson	Laurie		Water Dis	
4	Saunders	DARRYL	* SEE NOTE BELOW	Water D. S	757-403-7671
5	HALLS	JAMES		Waste Water	
6	White	Calvin		Waste Water	757-636-5573
7	Dierks	Lindsay		Utilities	757-620-1881
8	~~Grant~~ (see #29)	~~Charles~~		~~Storm water~~	~~757 397-0041~~
9	~~Spencer~~ (see #60)	~~Felicia~~		~~storm water~~	~~757 359-6073~~
10	~~Alexander~~ (see #44)	~~Antonio~~		~~Storm Water~~	~~757 515 8094~~
11					
12					
13	* NOTE: These three employees were called to respond to an On-Call Emergency and left the facility at approx. 9:30 a.m. and did not return. Mr. Flythe and Mr. Saunders attended the Chesapeake class on 9/30/21. Sign-in sheet attached.				
14					
15					

		Northwest River WTP-	
		Chris Mitchell	
		Sheldon Gudde	
		Brandon Evans	
		Tim Prescott	
		Mario Wiggins	
	Mosquito Control		
	✓	*Jerry George*	
		Tameka Allen	
	✓	*Martell White*	M. White
	✓	*Joe Upson*	
	✓	*Joe Cato*	
	✓	*Ronald Johnson*	R. Johnson
	Additional / Alternates		
Timothy Flythe		Timothy Flythe	City of Norfolk Water Distri
Darryl Saunders		DSL	↑ ↑

City of Norfolk - Public Works Environmental Storm Water Management

DRY WEATHER MONITORING - FY22

Date	Address or Intersection	Findings	Resolution Date	Resolution
4/6/2022	118 W 25th Street	No findings	No need for resolution.	
3/29/2022	905 Wolcott Ave	No findings	No need for resolution.	
3/29/2022	917 Wolcott Ave	No findings	No need for resolution.	
3/29/2022	6800 Glenoak Drive	No findings	No need for resolution.	
3/29/2022	6600 Palem Road	No findings	No need for resolution.	
3/29/2022	6618 Palem Road	No findings	No need for resolution.	
3/29/2022	6615 Palem Road	No findings	No need for resolution.	
3/28/2022	6907 Sewells Point Road	No findings	No need for resolution.	
3/28/2022	6900 Gregory Drive	No findings	No need for resolution.	
3/28/2022	965 Widgeon Road	No findings	No need for resolution.	
3/28/2022	965 Widgeon Road	No findings	No need for resolution.	
3/28/2022	6821 Pugh Street	No findings	No need for resolution.	
3/28/2022	907 Widgeon Road	No findings	No need for resolution.	
3/28/2022	908 Widgeon Road	No findings	No need for resolution.	
3/28/2022	6812 Glenoak Drive	No findings	No need for resolution.	
3/28/2022	900 Widgeon Road	No findings	No need for resolution.	
3/28/2022	889 Widgeon Road	No findings	No need for resolution.	
3/28/2022	989 Widgeon Road	No findings	No need for resolution.	
3/23/2022	3700 Riverside Drive	No findings	No need for resolution.	
3/23/2022	820 Jasmine Ave	No findings	No need for resolution.	
3/23/2022	814 Jasmine Ave	No findings	No need for resolution.	
3/23/2022	819 Jasmine Ave	No findings	No need for resolution.	
3/23/2022	834 Jasmine Ave	No findings	No need for resolution.	
3/23/2022	851 Townsend Place	No findings	No need for resolution.	
3/23/2022	832 Towsend Place	No findings	No need for resolution.	
3/23/2022	829 Fontaine Ave	No findings	No need for resolution.	
3/23/2022	809 Fontaine Ave	No findings	No need for resolution.	
3/23/2022	814 Brennan Ave	No findings	No need for resolution.	
3/23/2022	3750 Brennan Ave	No findings	No need for resolution.	
3/23/2022	3611 Riverside Drive	No findings	No need for resolution.	
3/23/2022	3619 Riverside Drive	No findings	No need for resolution.	
3/23/2022	3664 Riveside Drive	No findings	No need for resolution.	
3/21/2022	3611 Riverside Drive	No findings	No need for resolution.	
3/21/2022	3612 Riverside Drive	No findings	No need for resolution.	
3/21/2022	3619 Riverside Drive	No findings	No need for resolution.	
3/21/2022	3625 Riverside Drive	No findings	No need for resolution.	
3/16/2022	948 Ingleside Road	No findings	No need for resolution.	
3/16/2022	3633 Trant Ave	No findings	No need for resolution.	
3/16/2022	3640 Trant Ave	No findings	No need for resolution.	
3/16/2022	3800 Trant Ave	No findings	No need for resolution.	
3/16/2022	3808 Karlin Circle	No findings	No need for resolution.	
3/16/2022	1206 Dewberry Lane	No findings	No need for resolution.	
3/16/2022	1210 Dewberry Lane	No findings	No need for resolution.	
3/16/2022	1215 Dewberry Lane	No findings	No need for resolution.	
3/16/2022	1211 Dewberry Lane	No findings	No need for resolution.	
3/16/2022	6116 Joan Drive	No findings	No need for resolution.	
6/8/2022	844 38th Street	No findings	No need for resolution.	
6/8/2022	843 37th Street	No findings	No need for resolution.	
6/8/2022	1000 37th Street	No findings	No need for resolution.	
5/26/2022	1176 Pineridge Road	No findings	No need for resolution.	

City of Norfolk
Storm Water MS4 and VDOT Infrastructure Coordination

The City of Norfolk is required to coordinate with the Virginia Department of Transportation (VDOT) regarding issues of MS4 physical-interconnectivity as described below:

(1) Annual Coordination Meeting – Norfolk shall meet annually with VDOT for purposes of overall coordination on priority issues for Norfolk's MS4 program plan (including operations and maintenance elements) and TMDL action planning relevant to the interconnectivity of the MS4s.

The City of Norfolk participated with VDOT in a regional web conference call meeting on 5/5/2022.

(2) Mapping – Norfolk shall inform VDOT of the status of its mapping program, identifying any uncertainty regarding ownership or actual location of MS4 components associated with the physically interconnected MS4s and working to resolve such uncertainty. Norfolk shall coordinate with VDOT to identify any areas within the municipal boundaries that drain to the VDOT MS4.

The City of Norfolk performs routine updates to the GIS infrastructure system. Norfolk GIS staff coordinate with VDOT GIS staff outside of the annual coordination meeting to obtain an updated VDOT MS4 service area layer. Norfolk GIS will identify and confirm areas of connectivity based on the VDOT GIS layer.

(3) Chesapeake Bay TMDL Action Plans – Norfolk shall inform VDOT of the means, methods, and schedule by which Norfolk will implement the reductions required by the Chesapeake Bay TMDL Special Condition (Part I.D.1) when those means and methods may impact the physically interconnected MS4s. The parties are encouraged to cooperate with one another where the siting or design of best management practices (BMPs) may be accelerated or otherwise improved by mutual cooperation.

Norfolk shall coordinate with VDOT to identify any areas within the permittee's municipal boundaries that drain to the VDOT MS4 and are unaccounted for in the Chesapeake Bay TMDL Action Plan developed by VDOT or the permittee. The unaccounted areas shall be quantified (acres) in the Chesapeake Bay TMDL Action Plan submitted by Norfolk.

The City of Norfolk continues to implement the June 2018 Chesapeake TMDL action plan. The Norfolk Bay TMDL Action Plan addresses specific projects identified to account for required load reductions. At this time, there are not VDOT coordinated projects identified in the Action Plan. Additionally, Norfolk excluded VDOT as part of the City's MS4 Service Area. VDOT may view the City's Bay TMDL action plan provided on the City's website at: https://www.norfolk.gov/DocumentCenter/View/38025/Final-Report---Chesapeake-Bay-TMDL-Action-Plan---06_28_2018_FINAL?bidId=

The City of Norfolk designed the Norfolk International Terminal (NIT) shoreline project utilizing a National Fish and Wildlife Foundation grant. This project was designed by Norfolk to assist with addressing Bay TMDL requirements. However, Norfolk was unable to fund the construction of the shoreline project due to limited grant funding.

The City of Norfolk is also designing the Pleasant Point shoreline. The project is preparing to go to bid in Spring 2022, with construction pending later in 2022. The project extends up to the VDOT land (I-264 underpass). It is unlikely that this project would be extended on to VDOT land. The VDOT portion of the shoreline appears to have been restored in the past 10-years and is a securely armored revetment.

There are no known lands identified as “unaccounted areas” between VDOT and Norfolk’s MS4. Norfolk is in the process of reviewing and where necessary, updating the MS4 service area as required by the MS4 permit. Norfolk will coordinate with VDOT to obtain an up to date MS4 VDOT service area. Norfolk’s updated service area is due to DEQ in December 2020. Once completed, Norfolk will provide VDOT a full set of the Norfolk updated service area.

(4) Other TMDL Action Plans – Norfolk shall inform VDOT of TMDL Action Plans and major milestones implemented for other (i.e., non-Chesapeake Bay) TMDLs when those plans may impact the physically interconnected MS4s. The parties are encouraged to cooperate with one another where the siting or design of BMPs may be accelerated or improved by mutual cooperation.

The City of Norfolk currently has a TMDL for bacteria in the Elizabeth River. Norfolk’s Elizabeth River Bacteria TMDL action plan is geared toward education, outreach, and program implementation with no structural BMPs identified. Norfolk is willing to partner with VDOT on any education, outreach and/or programs throughout the City. If VDOT currently has a bacteria TMDL, Norfolk encourages VDOT to participate in the Hampton Roads Planning District Commission HRStorm subcommittee to discuss education and outreach.

Norfolk’s Elizabeth River TMDL Action Plan may be found on the City’s website. https://www.norfolk.gov/DocumentCenter/View/38026/Norfolk-ER-Bacteria-TMDL---Final-Action-Plan---06-28-2018_FINAL?bidId

(5) Credit for TMDL Implementation – Permit specific BMP retrofit requirements shall not be double counted in the calculation of load reductions. If the permittee undertakes the project, the permittee shall be entitled to full credit for the project, but may share credit with VDOT on mutually agreeable terms, which shall be in writing.

The City of Norfolk designed the Norfolk International Terminal (NIT) shoreline project utilizing a National Fish and Wildlife Foundation grant. This project was designed by Norfolk to assist with addressing Bay TMDL requirements. However, Norfolk was unable to fund the construction of the shoreline project due to limited grant funding. Norfolk coordinated with the Port of Virginia and VDOT on the development of the NIT shoreline project. VDOT, Norfolk and the Port of Virginia are considering entering into an MOA where VDOT may be able to utilize a portion of the credits for TMDL compliance credits.

(*6) Illicit Discharge Detection & Elimination – Norfolk shall continue to be responsible for implementing a program for illicit discharge detection and elimination, including dry weather field screening, for the permittee’s portion of the physically interconnected MS4. As part of the annual coordination meeting, described in item (1) above, Norfolk shall coordinate with VDOT on the identification of high-risk industrial facilities. Norfolk shall establish procedures for notifying VDOT when an illicit discharge is identified in the VDOT MS4.*

The City of Norfolk maintains a list of high risk industrial facilities as required by the MS4 permit. Norfolk will provide a GIS layer of the industrial high risk facilities to VDOT as part of our GIS coordination efforts.

The City of Norfolk currently functions under an SOP that outlines the requirements of the IDDE program. This SOP is reviewed annually by Norfolk staff and includes procedures for VDOT staff notification during IDDE in areas where interconnectivity may occur.

(7) Water Quality Monitoring – Norfolk shall conduct water quality monitoring as required by Part I.B.2.l) and Part I.C of this state permit. The permittee shall make available to VDOT all monitoring data collected from areas where the physically interconnected MS4 discharges to the VDOT MS4 or received flow from the VDOT MS4. Norfolk and VDOT are encouraged to cooperate with one another to establish a joint monitoring network.

The City of Norfolk has three (3) different monitoring requirements to fulfill for the MS4 permit.

1. Dry Weather Monitoring is performed on 50 sites throughout the city annually. Additionally, the City has implemented a preventative maintenance inspection program. During this PM inspection program, if any dry weather flow is identified in addition to the 50-sites, the discharge is addressed. If the discharge has been identified to impact the VDOT MS4 service area, VDOT will be notified under the IDDE SOP. Data associated with this monitoring is documented in the City's MS4 annual report and may be found at the City's website: https://www.norfolk.gov/1689/Stormwater

2. The City partners with the Hampton Roads Planning District Commission (HRPDC), Hampton Roads Sanitation District (HRSD) and USGS in the development of the Regional Wet Weather Monitoring study. HRPDC staff compile the findings from HRSD and USGS and compile a trend analysis report annually that may be found at the City's MS4 annual report found on the City's website: https://www.norfolk.gov/1689/Stormwater

3. The City also performs a Street Sweeping Monitoring program as part of the MS4 permit compliance. This program is designed to address sweeping efficiencies in the Coastal Plain that may be used for TMDL compliance. The City performs quarterly sampling as outlined in the sweeping monitoring program criteria and provides a trend analysis summary each year in the MS4 annual report. Norfolk provided the final findings of the study to DEQ during the application process for the new MS4 permit. This data is also included in the City's annual report posted on the City's website: https://www.norfolk.gov/1689/Stormwater

(*8) Annual Reports – As part of its Annual Report, Norfolk shall document coordination efforts with VDOT that occurred during the reporting year pursuant to requirements (1) through (7) above.*

The City of Norfolk will provide meeting minutes pertaining to the coordination efforts with VDOT in the annual report.

VDOT
Virginia Department of Transportation

Annual MS4 Virtual Coordination Meeting

MS4 Permit Requirements-MCM 7

May 5, 2022 1-4pm

Microsoft Teams

Agenda

- Introductions
- IDDE Updates-VDOT
- TMDL Updates-VDOT
- Re-issuance of MS4 permits and potential impacts-VDOT
- Points of Interconnectedness
  - Provided by Cities-Location and structure type/maps? Points of Interconnectedness (POI) identified where a City MS4 discharges onto VDOT
  - Maintenance needs-Locations of interconnectedness where maintenance is needed to relieve drainage/flooding /nuisance issues. Open issues?
- HREL Updates
- Updated POC for Stormwater and IDDE Request

Order for Presenting

VDOT

Virginia Beach

Portsmouth

Norfolk

Hampton

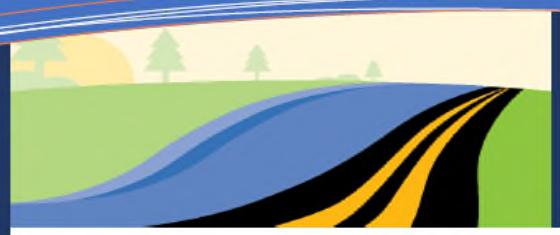
Chesapeake

Newport News

Topics to Consider

- TMDL's
- IDDE
- Resiliency Projects

VDOT Contacts for IDDE Reporting



Discharges from Vehicular Accidents

VDOT's MS4 Permit specifies that spills from vehicular accidents are **NOT** tracked and reported as illicit discharges if they enter the VDOT storm sewer system.

If you have a spill from a vehicular accident that needs VDOT's attention, please contact the VDOT Customer Service Center at 1-800-FOR-ROAD (1-800-367-7623).

Additional Questions?

JJ Lightfoot
Central Office Illicit Discharge Coordinator

Phone: (804) 837-0022
Jennifer.Lightfoot@vdot.virginia.gov

General Contact Info

For incidents or concerns regarding illicit discharges to or from VDOT's MS4, please submit information to

IDDEReports@vdot.virginia.gov

If your incident requires VDOT's immediate attention, please use the local contacts below or contact the VDOT 24-hour Hotline at 1-800-FOR-ROAD (1-800-367-7623).

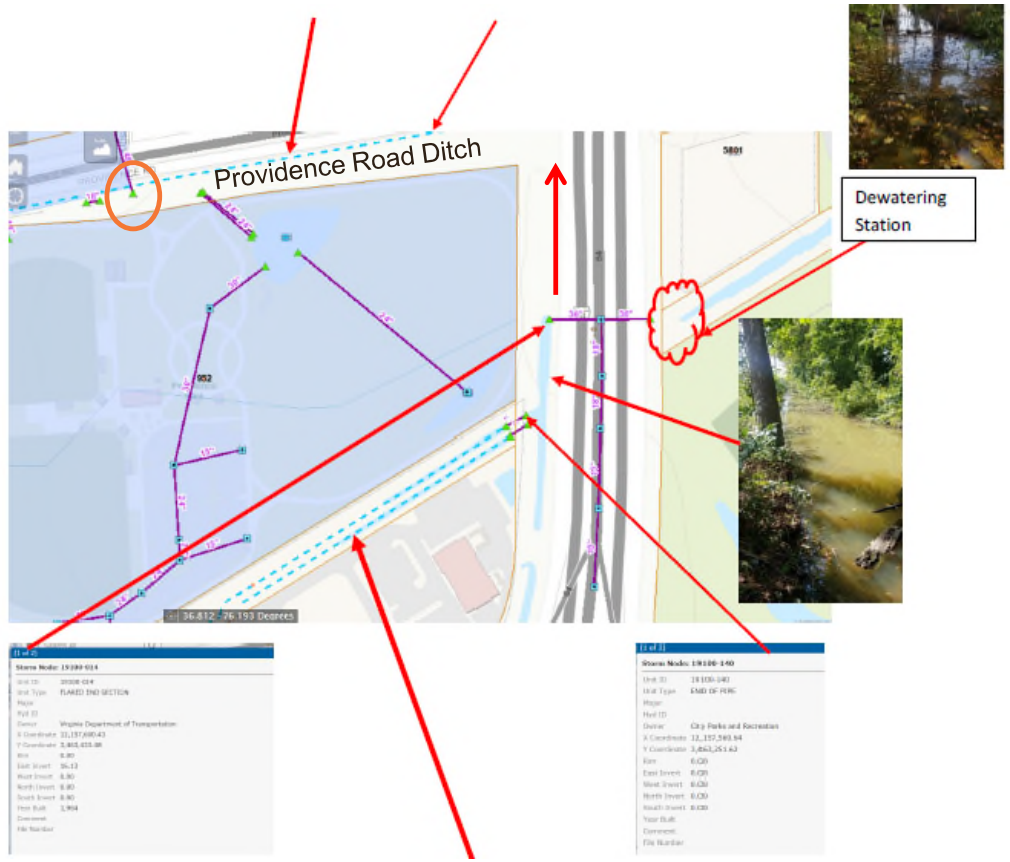
Local Contact Info

Jennifer Dail – Hampton Roads NPDES Coordinator
Office:757-956-3275 Mobile: 757-705-2703
Jennifer.Dail@vdot.virginia.gov

Andy Winch - Regional Hazardous Materials Manager
Office: 757-956-3190 Mobile: 757-335-2458
Andrew.Winch@vdot.virginia.gov

Point of Interconnectedness
970 Reon Dr., Va Beach/VDOT Emergency Operations Facility

Dewatering Operation → VDOT ROW → City MS4 Providence Drainage Outfall Ditch



Latest Update

- Meeting with COVB took place on 4/18 to discuss the Providence Park Stormwater Improvement Concept Evaluation and the 3 options.
- Follow up meeting with COVB and maintenance staff to identify maintenance needs for alleviating the ponding of water in the VDOT ROW ditch and onto the TOC property
- COVB will look into tree removal contract prior to the end of the fiscal year. VDOT will help with grading the ditch once the tree has been removed.

Hampton Roads Express Lanes (HREL) SCOPE

All of these projects are constructing Express Lanes

- The Express Lanes will be *HOT lanes*, which stands for high occupancy toll lanes.
- Single occupancy vehicles using the Express Lanes will be tolled.
- Remember that there is always a free option throughout the Express Lanes network, which are the general purpose lanes.

Hampton Roads Express Lanes Network – Phased Delivery

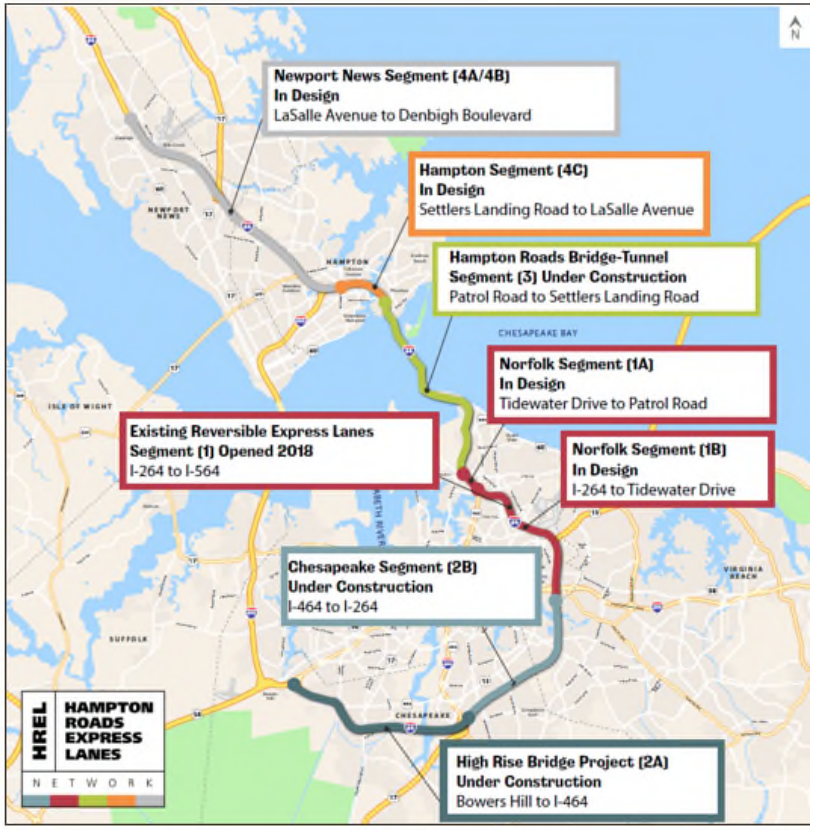
HRELN is a continuous network of Express Lanes in each traffic direction on I-64 from the Jefferson Avenue interchange in Newport News to the I-64, I-264 and I-664 Bowers Hill interchange in Chesapeake. Divided into four segments, it will be delivered in two phases:

Phase I (Under Construction)

- **Segment 2** – under construction and fully funded (one Express Lane in each direction, completion by end of 2022)
- **Segment 3 (HRBT Expansion Project)** – additional capacity with the construction of new tubes and lanes, completion in 2025

Phase II (In Design)

- **Segment 1A**
  - **Project Award – November 2022**
  - **Construction Begin – May 2023, End – December 2025**
- **Segment 1B**
  - **Project Award – August 2023**
  - **Construction Begin – February 2024, End – November 2026**
- **Segment 4A/4B**
  - **Project Award – September 2023**
  - **Construction Begin – October 2023, End – December 2025**
- **Segment 4C**
  - **Project Award – July 2022**
  - **Construction Begin – January 2023, End – December 2026**



Resource:

https://www.virginiaroads.org/

Description: *VDOT's Open Data Portal, **Virginia Roads**, was developed as part of an effort to provide user friendly access for exploring and downloading open data. VDOT is committed to providing the traveling public, lawmakers and partners with easy to understand information that demonstrates how we are managing the state's transportation infrastructure and to ensure VDOT's transparency to the public.*

There are a number of datasets hosted including roadway LRS layer releases: https://vdot.maps.arcgis.com/apps/MapAndAppGallery/index.html?appid=7ad6fb5c1f9148ff986db843e7f7b67c

And a GIS clearinghouse for Locality datasets: https://vdot.maps.arcgis.com/apps/MapAndAppGallery/index.html?appid=735e10588fd24c04aa44c89180ac649d

Resources

- https://www.virginiadot.org/business/resources/maintenance/FINAL_Complete_VDOT_BMP_Manual_2021_07-23-2021_acc102921.pdf\
- https://www.virginiaroads.org/
- https://mail.google.com/mail/u/0/#inbox/WhctKKXXGtCqfkhVncbrWdstHKWtqrSwkkdBblFqkrsmXKdskxbMgdRKVJjqFQCxMKRPsSV?projector=1
- https://mail.google.com/mail/u/0/#inbox/WhctKKXXGtCqfkhVncbrWdstHKWtqrSwkkdBblFqkrsmXKdskxbMgdRKVJjqFQCxMKRPsSV?projector=1

VDOT Coordination Meeting

May 5, 2022

City of Norfolk Representation:
Casey Magruder – Environmental Programs Manager, Justin Shafer – Project Manager, Chrisi VanLear – Environmental Program Supervisor, Hannah Sudlarek – GIS Tech II

VDOT Representation:
Scott Crafton, Jennifer Dail, Michelle Fults, Jennifer Lightfoot, Alex Foraste, Kun Dong, Joseph Parfitt, Maria Mutuc

IDDE Updates

VDOT continues to coordinate with localities and maintenance contractors. Training videos are required to be watched by contractors (mowing, salt applicators, facilities maintenance, etc.). To date, more than 260 contractors have participated in the training, reaching over 700 individuals.

TMDL Updates

Chesapeake Bay TMDL:

VDOT is making great progress at achieving reduction goals. They feel confident that they have many projects planned to reach 36% reduction by the end of the permit cycle. These projects include stream restoration, shoreline stabilization, BMP retrofits, catch basin cleanouts, and nutrient credits.

Norfolk is also in good shape and have exceeded all reduction requirements for the second permit cycle (40%). The Pleasant Point Shoreline project will be going out to bid soon. VDOT may want to clean their ditch before this is done? The NIT Shoreline project has been designed and permitted. The City still plans to use the SWIFT program, as well as more projects that are being planned. Norfolk also continues to work with HRSD on source tracking sampling, particularly in Mason Creek and the headwaters of Pretty Lake/Little Creek.

Re-Issuance of MS4 Permits

VDOT's MS4 permit expires this year. They have been requested to sit in on all permit meetings. "High-priority facilities" seem to be a big focus, and DEQ is proposing to redefine the term based on site activities and exposure. There is a focus on salt management, with SOPs wanted. DEQ is developing a template for a "TMDL Implementation Report."

Points of Interconnectedness

VDOT asked for notification from localities when POIs are found. They ask that localities provide the location, structure number, type, and maps showing where the City MS4 discharges into VDOT. VDOT also asked for suggestions from localities on locations of interconnectedness where maintenance is needed to relieve drainage, flooding, and nuisance issues.

VDOT and the City of Virginia Beach provided an update/presentation on the large project on Reon Road at the VDOT Operations Center.

HREL Updates

The Hampton Roads Express Lanes Network is currently under construction. This is a phased delivery approach, divided into four segments and delivered in two phases through December 2026. The express lanes will be HOT (High occupancy toll) lanes, with single occupant vehicles using the Express Lanes being tolled. Chesapeake, Norfolk, Hampton, and Newport News will be heavily affected during construction.

It was added that there are several videos and interesting sources of information regarding the HRBT Expansion part of this project that may be of interest.

Updated POC's for SW and IDDE Requested

Jennifer Dail asked if there are any updates to the POC's for municipalities. Norfolk mentioned that Casey Magruder is the POC for IDDE instances, with Chrisi VanLear as a backup.

REGIONAL WATER QUALITY MONITORING PROGRAM
ANNUAL REPORT

FISCAL YEAR 2021-2022

This effort was included in the HRPDC Work Program for FY 2021-2022, approved by the Commission at its Executive Committee Meeting on May 20, 2021

Prepared by the staff of the
Hampton Roads Planning District Commission
in cooperation with the
Regional Stormwater Workgroup

September 2022

REPORT DOCUMENTATION

TITLE
Regional Water Quality Monitoring Program Annual Report

REPORT DATE
September 2022

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GRANT/SPONSORING AGENCY
LOCAL FUNDS

ABSTRACT

This document describes activities and findings related to the Regional Water Quality Monitoring Program. The program was developed to better inform scientific models in the Coastal Plain for the purposes of Chesapeake Bay Total Maximum Daily Load (TMDL) compliance. Six Phase I MS4 permit holders in Hampton Roads participate in this program for permit compliance.

ACKNOWLEDGMENTS

The Hampton Roads Planning District Commission (HRPDC), in cooperation with the Regional Stormwater Workgroup, the US Geological Survey (USGS) and the Hampton Roads Sanitation District (HRSD) prepared this report. Figures found in this report are courtesy of Aaron Porter, USGS.

Preparation of this report was included in the HRPDC Unified Planning Work Program for FY 2021-2022, approved by the Commission at its Executive Committee Meeting of May 20, 2021.

Funding was provided by the six local governments that are Phase I MS4 permittees, through the HRPDC Regional Stormwater Management Program.

September, 2022

Regional Water Quality Monitoring Program Annual Report

Introduction

In 2015, the six Phase I MS4 localities within Hampton Roads, partnered with the U.S. Geological Survey (USGS) and the Hampton Roads Sanitation District (HRSD) to create a regional stormwater monitoring network. The goal was to inform characterization of nutrient and sediment concentrations associated with urban stormwater in the coastal plain to improve modeled estimates. This network serves many purposes, simultaneously addressing local water quality issues and fulfilling MS4 permit requirements, while providing useful data to support Chesapeake Bay Program modeling efforts. As a requirement of the Phase I MS4 permits, this report summarizes findings from the last year, and includes assessments from all reporting years. The Chesapeake Bay Program's watershed model is responsible for estimating loads of total nitrogen (TN), total phosphorus (TP), and total suspended solids (TSS) across all landscapes throughout the watershed. The only monitoring to inform the models for in-stream nutrient and sediment loads is through the non-tidal network (NTN), primarily covering rural areas. There are no calibration stations within the coastal plain, nor stations that reflect urban centers, and therefore no verifiable loading rates of these constituents. With the Hampton Roads monitoring network, USGS now has data from multiple land use types to inform future versions of the Bay model within the tidal region. These land use types represent 40 to 80% impervious land cover, while the NTN represents less than 40% impervious cover. By providing high frequency and high-quality data through the USGS quality control and quality assurance framework, the Hampton Roads region will be well-represented with accurate estimates of loading rates for future phases of the watershed model (Phase 7). To this end, a Chesapeake Bay Program Scientific Technical Advisory Committee (STAC) workshop will be hosted in early 2023 to identify how this data, coupled with other urban networks, will be generalized for the next iteration of the watershed model.

Major program objectives include the collection of high-quality data representative of the coastal plain, and subsequent use of the data to compute annual nutrient and sediment loading rates that are comparable to those calculated for the Chesapeake Bay Total Maximum Daily Load (TMDL). Additional information provided by the program includes: 1) a comparison of loading rates in Hampton Roads and other urban areas, 2) the differences in loading rates across land use types, and 3) the impacts of hydrology and season on the constituent concentrations and

loading rates. To date there are six complete years of data collected at eight sites, and five complete years at four sites, over a range of hydrologic conditions, allowing for preliminary analysis of the results.

Monitoring Network

The six Phase I MS4 localities (Chesapeake, Hampton, Newport News, Norfolk, Portsmouth, and Virginia Beach) participate in the Hampton Roads Regional Water Quality Monitoring Program (RWQMP). Each locality has two monitoring sites, draining land between 30 and 300 acres with no tidal water influence, representative of three types of urban land uses (high-density residential, single-family residential, and commercial/industrial), and ranging between 36% and 80% imperviousness (Fig. 1; Table 1). Site selection was based on the goal of having very few, if any, best management practices (BMPs) upstream of the sampling area. In addition, localities agreed not to implement BMPs in those watersheds during the course of the study. By characterizing the range in loadings that are typical of a given land-use type that do not yet have BMPs implemented, variability can be assessed within land use types, and meaningful comparisons can be made between the three dominant land use types in the region. This should significantly enhance the understanding of how management activities can be directed efficiently in the future.

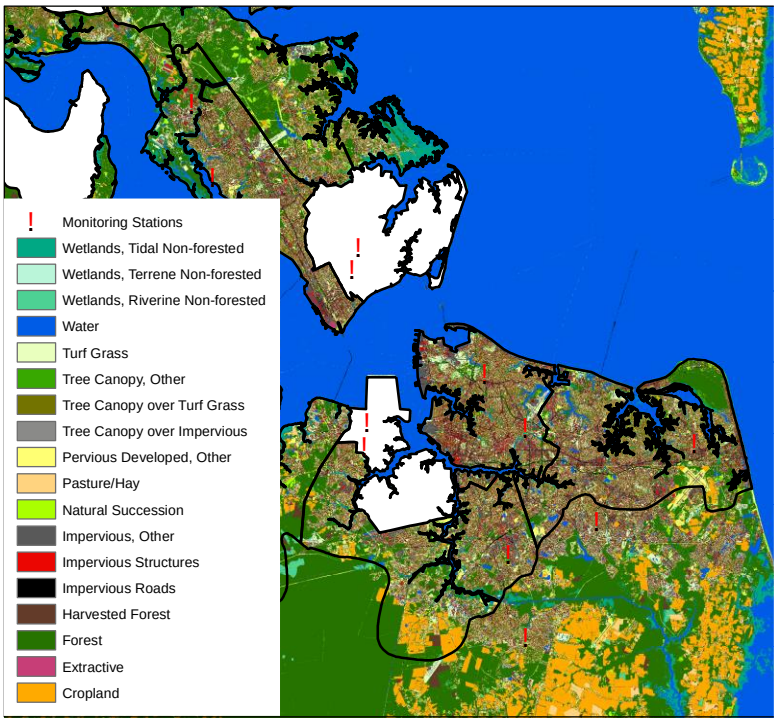

Figure 1. Locations of the 12 water quality monitoring stations, overlaid on 2017-18 land use, in Hampton Roads, VA.

Table 1. The locality names, station names, and land use types.

Locality	Station Name	Land Use Type
Chesapeake	Professional Place	Commercial
Chesapeake	Ramsgate Lane	Single-family Residential
Hampton	Coliseum Drive	Commercial
Hampton	Garrett Drive	Single-family Residential
Newport News	Lakewood Park Drive	Single-family Residential
Newport News	Rivers Ridge Circle	High Density Residential
Norfolk	Sheppard Avenue	Single-family Residential
Norfolk	USAA Drive	Commercial
Portsmouth	Craneybrook Lane	High Density Residential
Portsmouth	Daisy Drive	Single-family Residential
Virginia Beach	Lindsley Drive	High Density Residential
Virginia Beach	Ludlow Drive	Single-family Residential

Operation of the monitoring network is the joint responsibility of USGS and HRSD. Data collection is supervised by the USGS Virginia Water Science Center to ensure that data quality meets the requirements established by USGS. Discrete sample collection and analysis plus system maintenance are conducted by HRSD's Central Environmental Laboratory (CEL) while data analysis, interpretation, and reporting are conducted by USGS. All 12 stations collect real-time, high frequency data including flow (stage, velocity, and discharge), turbidity, specific conductance, and water temperature. Discrete samples for nutrients and sediments are taken during storm events over a range of flows and quarterly for baseflow sampling. Nutrient concentrations consist of measurements of TN, total Kjeldahl nitrogen (TKN), organic nitrogen, nitrate + nitrite, ammonia + ammonium, TP, and orthophosphate. Sediments are measured as TSS.

Monitoring Protocols

Each station is equipped with a continuous flow meter, a water quality sonde for continuous water quality monitoring, a refrigerated automated sampler for the collection of stormwater water quality samples, an internal data logger for recording and storing all measured values, a satellite telemetry unit to transmit data hourly, a power system supporting all components (AC power with battery backup), and a ruggedized housing that protects all equipment (Fig. 2). Continuous flow is measured at 5-minute intervals and flow meters are connected to the data logger and satellite telemetry system to provide data in near real time. Instruments are operated in accordance to manufacturer guidance, and USGS guidance (see http://water.usgs.gov/osw/pubs.html). Continuous water quality monitors measure water temperature, specific conductance, and turbidity and are operated in accordance with standard protocol (Wagner et al. 2006).

Figure 2. Ruggedized housing and components present at each stormwater monitoring station.

Discrete sampling for nutrients and sediment are triggered by the datalogger when stormflow conditions exist (as indicated by flow and water quality conditions). Samples are retained in the refrigerated sampler (≤ 6°C) until retrieved by HRSD field staff. Samples are retrieved within 24 hours of collection, transported in coolers (≤ 6°C), and delivered to the laboratory for preservation and analysis. The analytes measured have defined laboratory methods within 40 CFR Part 136, and TN is calculated as the sum of TKN and nitrate + nitrite. Detailed standard operating procedures for nutrient and sediment analysis are maintained at HRSD's CEL and are available upon request.

All data collected for this monitoring program, including continuous time series data and discrete sample data, is retained in the USGS National Water Information System (NWIS) and made publicly available online via NWISweb. Continuous data from the flow meter and water quality monitors are transmitted via GOES satellite hourly and uploaded directly into NWIS via automated processes. These data are made publicly available on NWISweb within minutes of

the hourly transmission. Discrete sample data is entered into the Laboratory Information Management System (LIMS) at HRSD. These data are electronically transferred monthly to USGS for entry into NWIS, at which time they are publicly accessible via NWISweb.

Results

Monitoring station installation began in April 2015 with all stations on-line and collecting data by December 2016. Between July 1, 2021 and June 30, 2022, across multiple storm events, over 400 event-triggered samples were collected for nutrients and sediment (Fig. 3). Loads were quantified during non-storm and storm events to compare baseline loads to high intensity or prolonged rainfall events. Prior years demonstrated drought conditions, particularly during the spring of 2021. For consistency, monthly samples were collected at each station on a fixed schedule regardless of hydrologic condition. This allowed for better characterization of spatial and temporal patterns, including load contributions from groundwater, or baseflow, and trends in concentration.

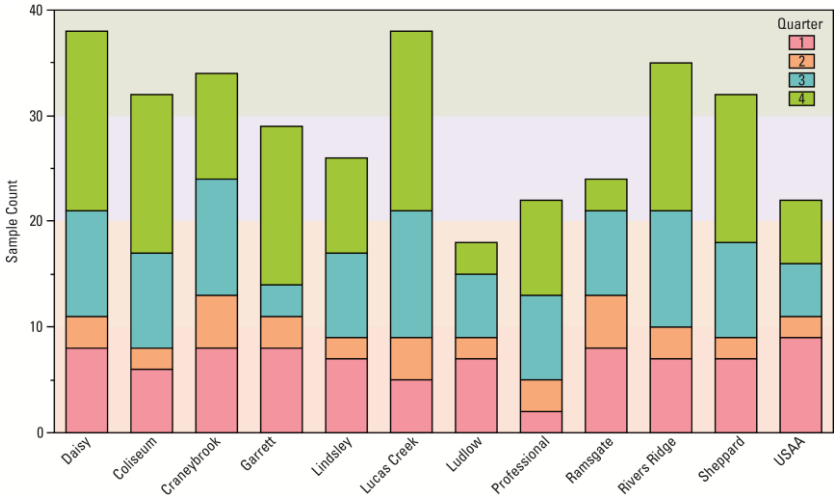

Figure 3. Total sampling events per quarter for each station between July 1, 2021 and June 30, 2022.

Precipitation and Streamflow

While the annual rainfall totals have varied across the region over the course of the study (Fig. 4), most rainfall events in any given year were less than 0.25 inches. 2016 continues to be the wettest year on record for the study, however the annual precipitation for the 2021 water year was above the study period average (Fig. 4). While the higher frequency storms are less than 0.25 inches, the bulk of the rainwater that flows through the storm systems comes from larger events that generate greater than 1 inch of precipitation. Like previous years, a greater rainfall-runoff response, or more stormflow was generated, within the watersheds with the greatest amount of impervious surface (Fig. 5). Commercial sites have the most impervious surface compared to the residential land use types with turf grass and tree cover. The Richards-Baker Flashiness Index can be used to calculate and assess streamflow response to short-term changes in precipitation. In comparison to other networks across the state, Hampton Roads has

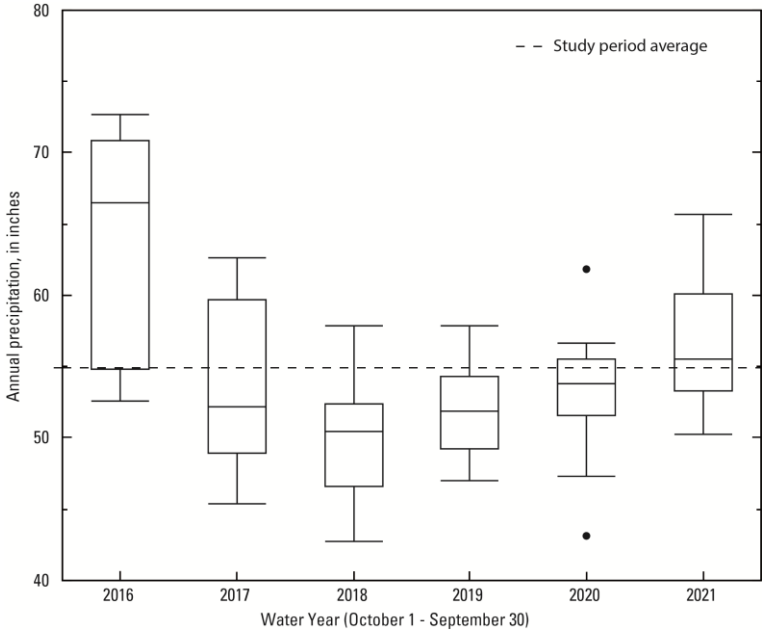

Figure 4. Annual rainfall totals (in) from nearby rainfall gages.

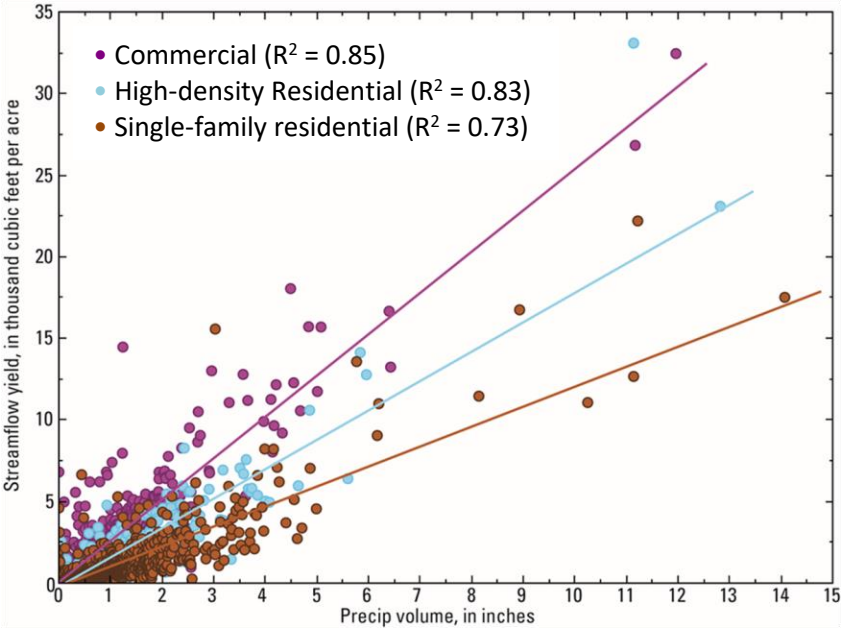

Figure 5. Rainfall-runoff response based on land use type for all storm events during the study period.

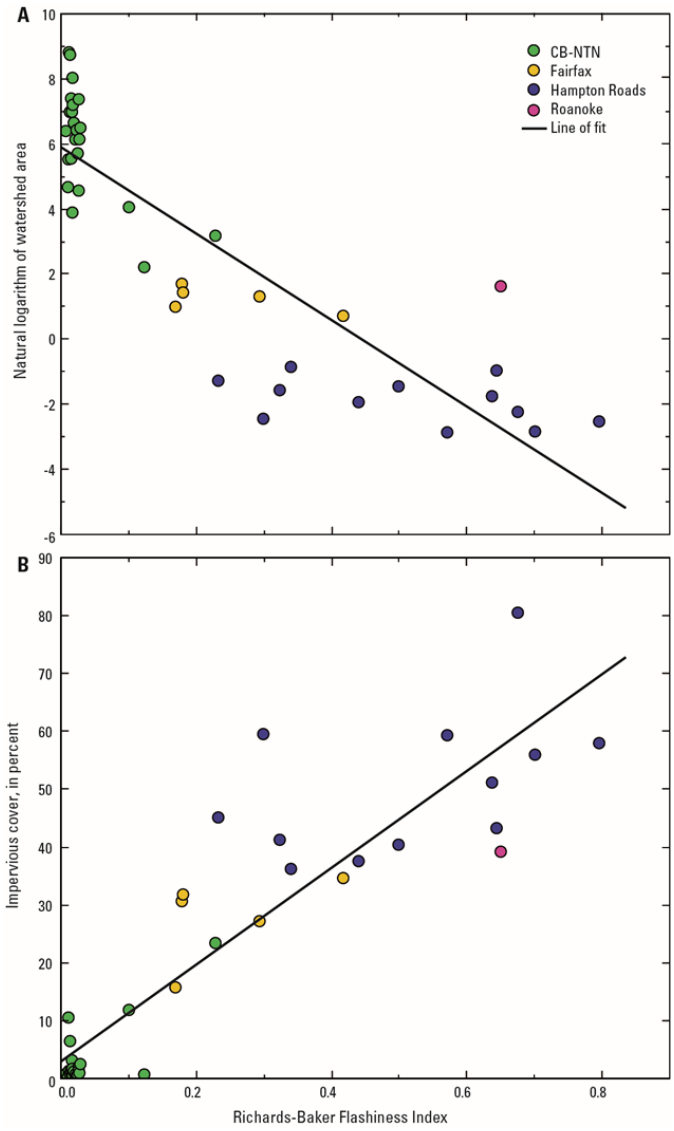

Figure 6. The natural log of watershed area (A) and the relative amount of impervious area (B) as related to the Richards-Baker Flashiness index for multiple networks across Virginia. (Chesapeake Bay Non-tidal Network (CB-NTN), Fairfax, Hampton Roads, and Roanoke)

smaller, more highly developed watersheds (Fig 6A), which translates into flashy hydrologic responses (Fig. 6B).

Loads and Yields

As expected, commercial watersheds with higher amounts of impervious surfaces yield higher nitrogen, phosphorus, and sediment on average (Fig. 7). There is no difference in yields between high-density and single-family residential watersheds for all constituents. Annual variability, regardless of land use type, is driven by rainfall patterns and amounts. After smoothing average yields and rainfall, loads for all constituents were higher in wetter years (Fig. 8). While loading characteristics vary during every storm, a typical 'first flush' phenomenon was still observed for most storm events. Most of the TN, TP, and TSS are conveyed during the early phase of the events, typically within the first 1.5 hours where 68% of the TSS load is transported out of the watershed within the first 45% of the total runoff for the event. An example of an autocorrelation function for the Craneybrook site (high-density residential), shows peak turbidity during the first hour (Fig. 9).

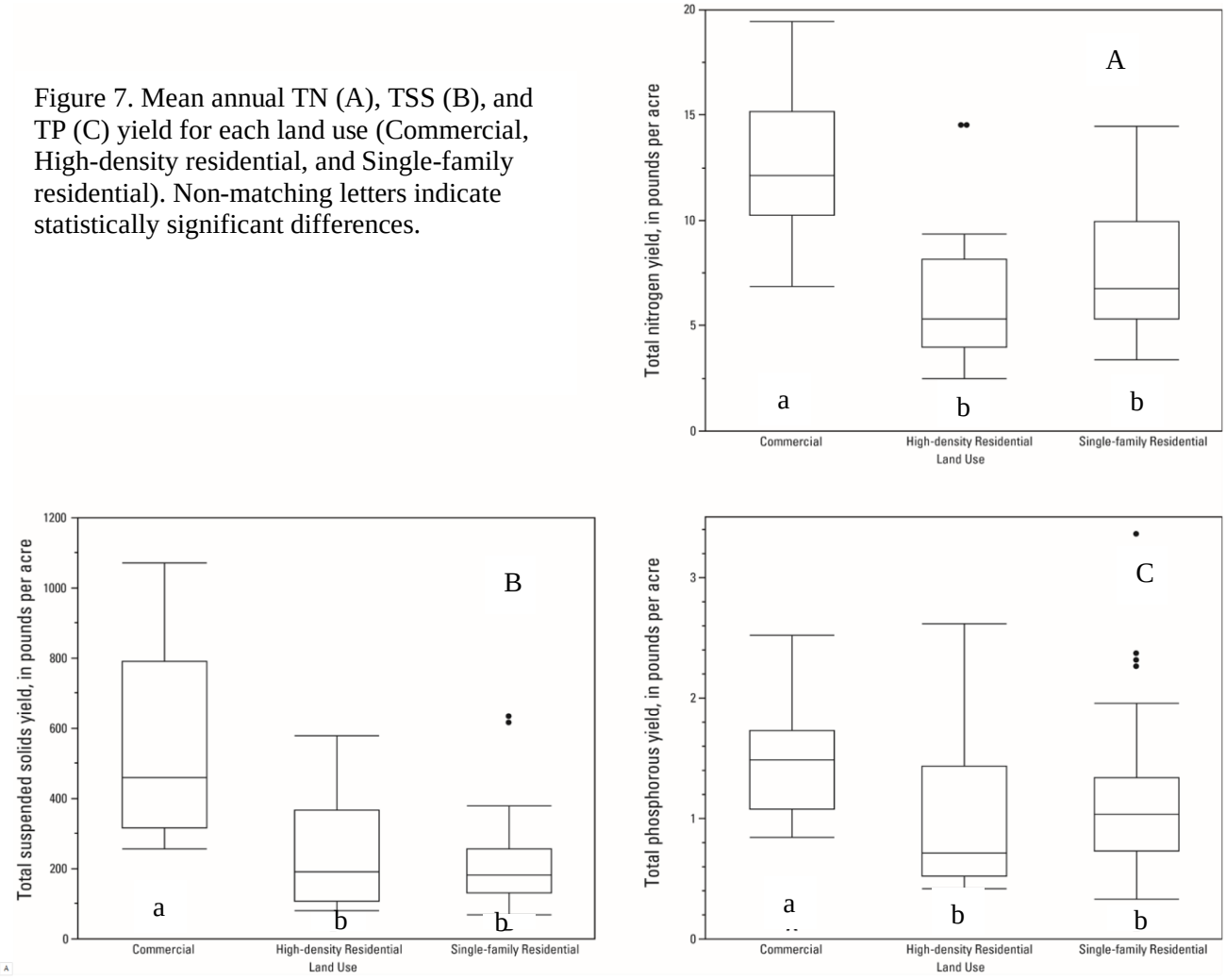

Figure 7. Mean annual TN (A), TSS (B), and TP (C) yield for each land use (Commercial, High-density residential, and Single-family residential). Non-matching letters indicate statistically significant differences.

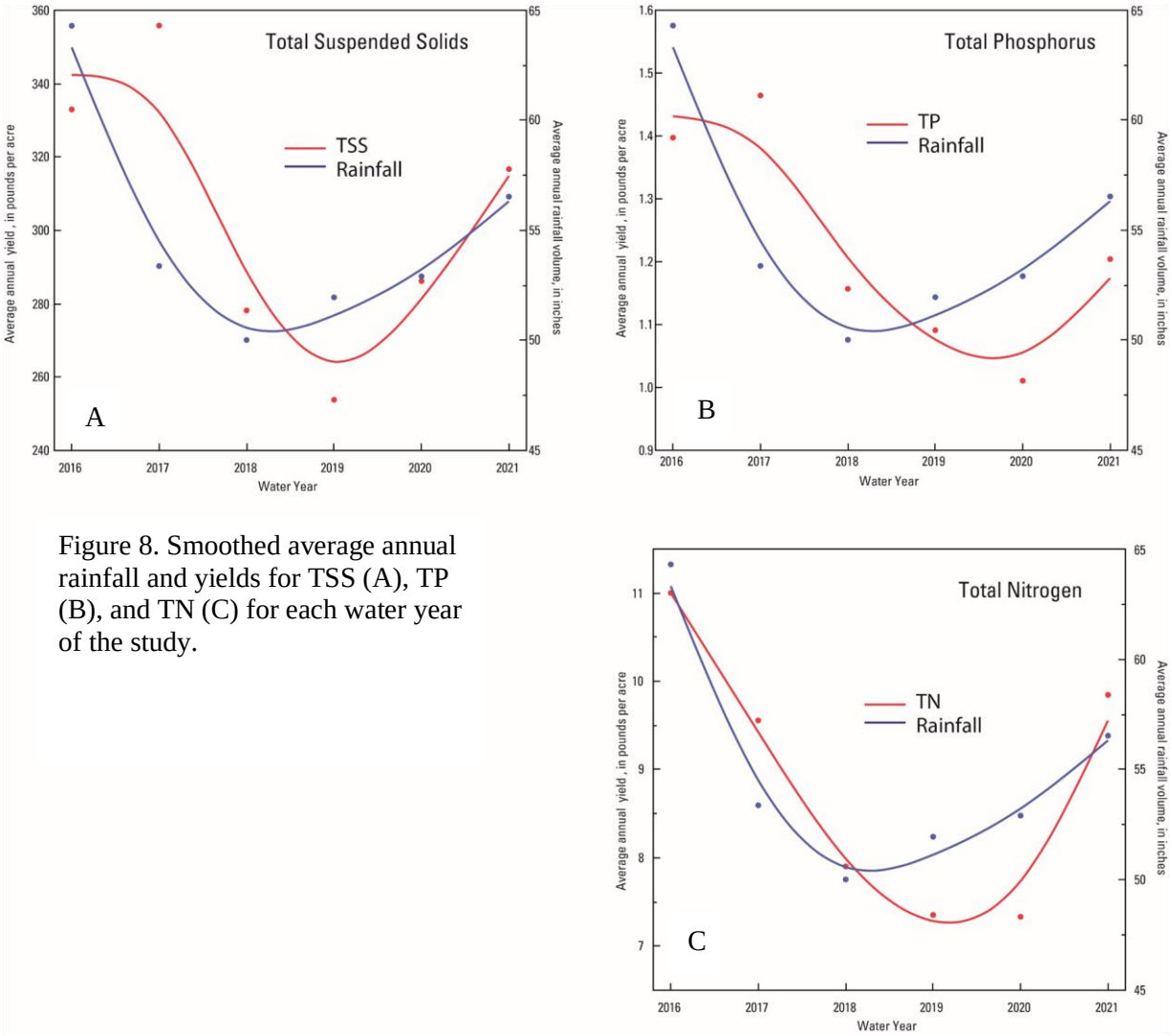

Figure 8. Smoothed average annual rainfall and yields for TSS (A), TP (B), and TN (C) for each water year of the study.

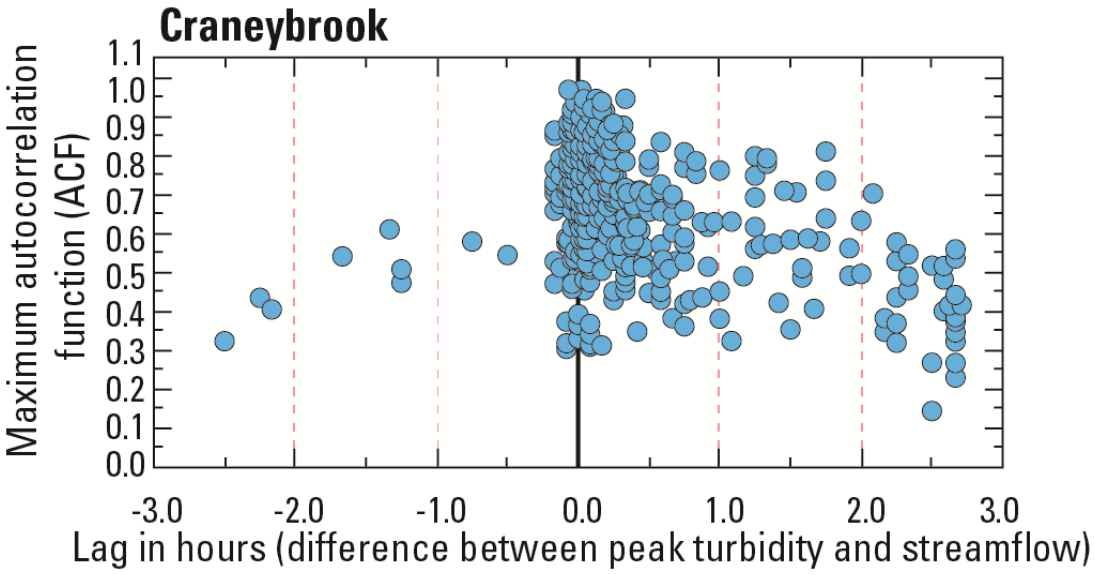

Figure 9. Maximum autocorrelation function and lag time in hours (difference between peak turbidity and streamflow) at Craneybrook, a high-density residential site.

In terms of constituent composition, it has been shown over the years that there are differences between the Coastal Plain and the other monitoring networks. Hampton Roads TN samples are composed primarily of organic N while inorganic N (in the form of nitrate) dominates in the Fairfax County, Gwinnett County, and non-tidal networks (Fig. 10). TP yields are greatest, both organic and inorganic, in the Hampton Roads network (Fig. 11) and TSS yields are lowest in the Hampton Roads network (Fig. 12). See Appendix A for mean annual TN, TP, and TSS yields for all stations.

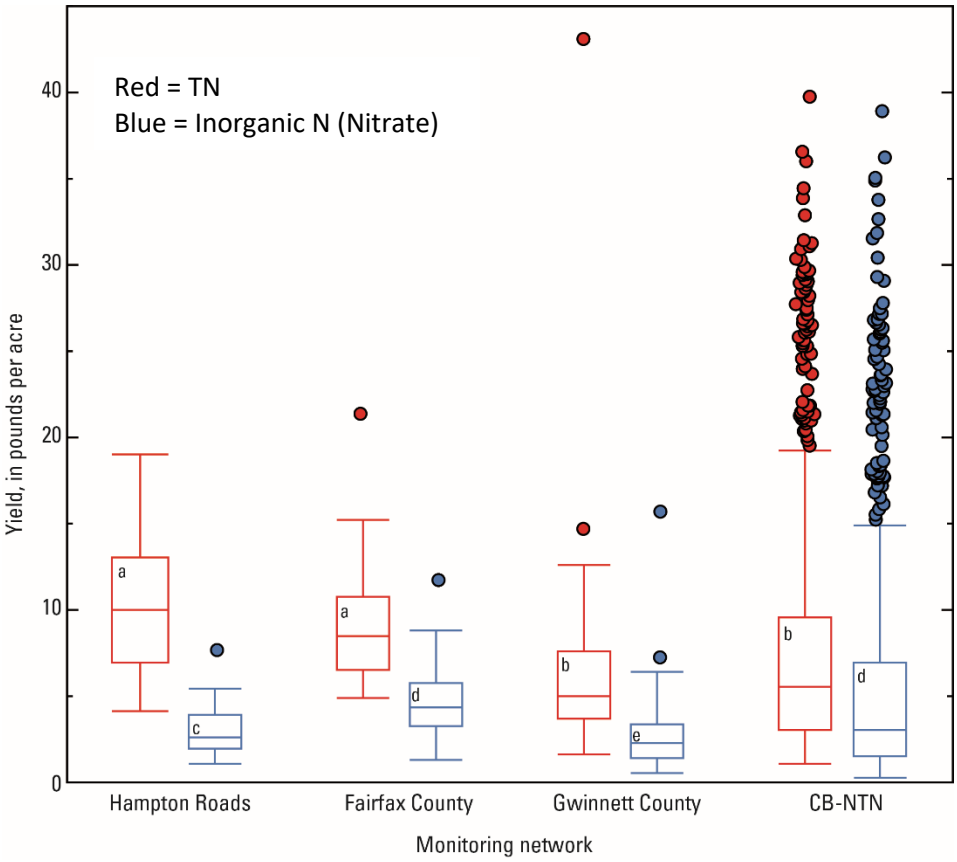

Figure 10. Box plots of TN (red) and inorganic N in the form of nitrate (blue) for each monitoring network. Non-matching letters indicate a statistical difference.

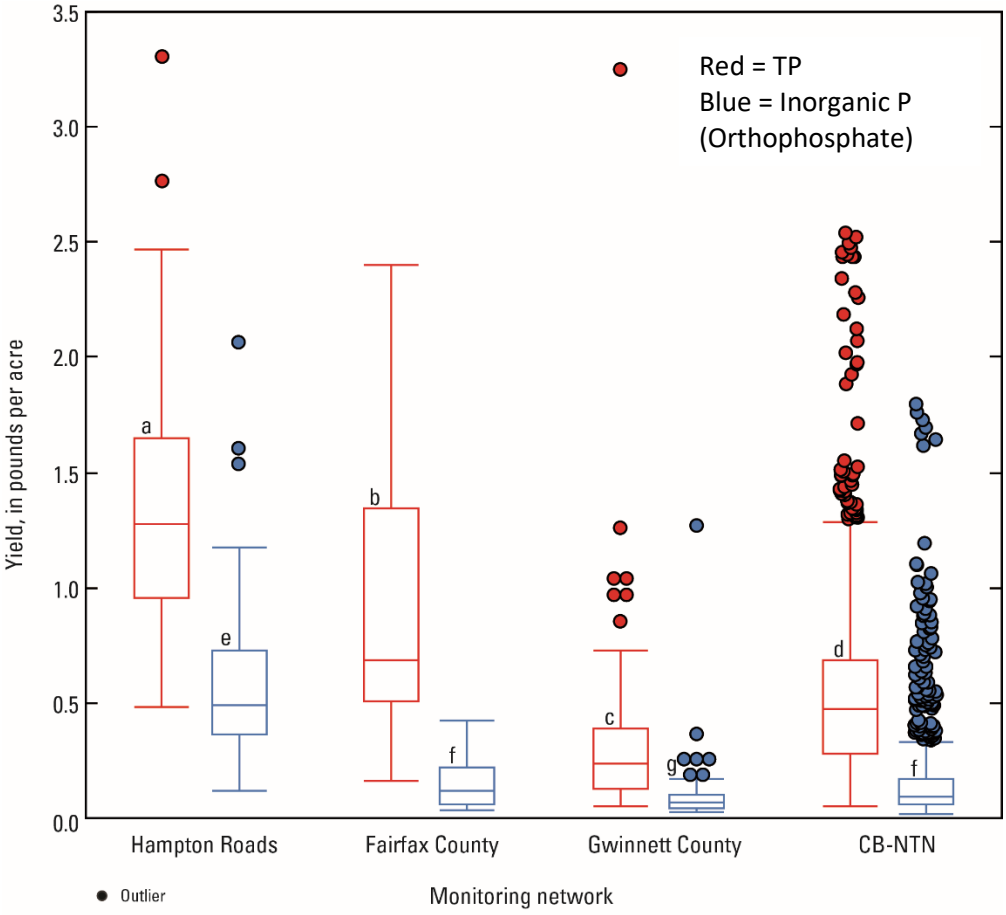

Figure 11. Box plots of TP (red) and inorganic P in the form of orthosphosphate (blue) for each monitoring network. Non-matching letters indicate a statistical difference.

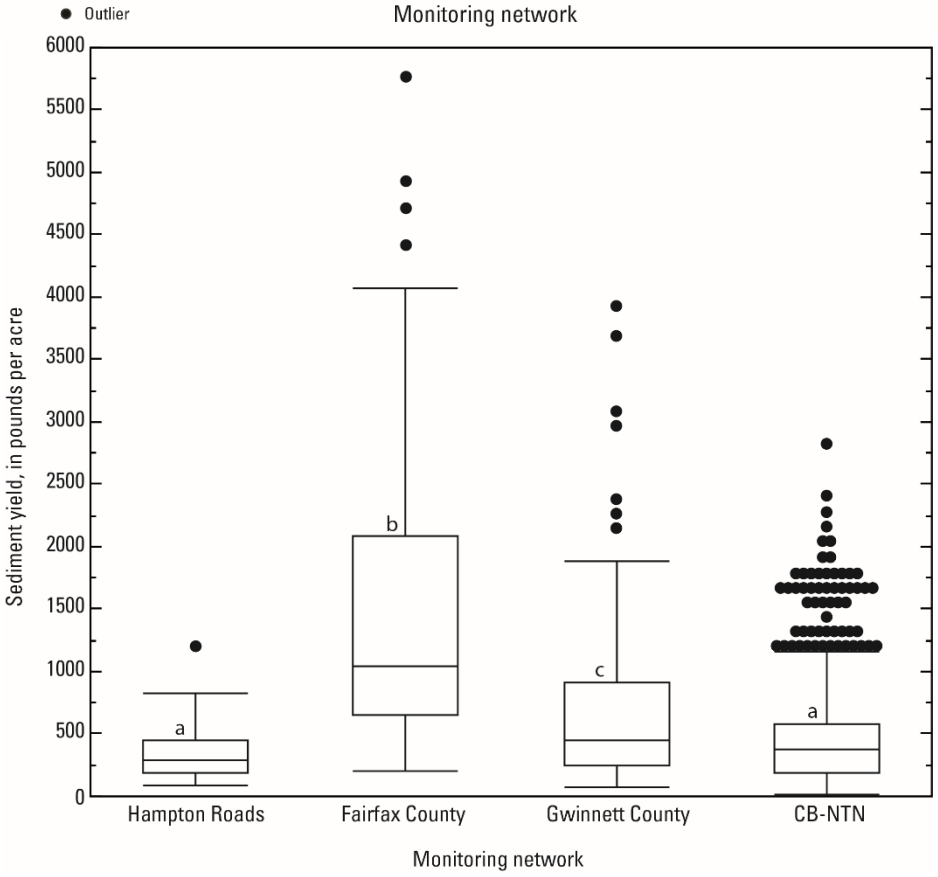

Figure 12. Box plots of TSS for each monitoring network. Non-matching letters indicate a statistical difference.

Over the years, comparisons have been made to look at the composition of all constituents in baseflow (dry weather conditions) versus stormflow (wet weather conditions). More than half of the nitrate load is generated during baseflow while TN, primarily comprised of organic N, is transported during stormflow (Fig. 13). Organic N and other forms of particulate bound N are generally thought to be mobilized by overland runoff with sources from atmospheric deposition, pet waste, leaf litter, lawn clippings, and excess fertilizer. 87% of orthophosphate loadings-P occur during storm events as it is washed off the land surface and mobilized from soils (Fig. 13). TP is also transported by overland flows (82%) rather than groundwater sources. Most suspended solids (sediment and course particulates such as decomposing leaf litter) are mobilized by storm runoff (88%; Fig. 13). The proportion transported during low flows may be algae and/or fine particulate organic matter.

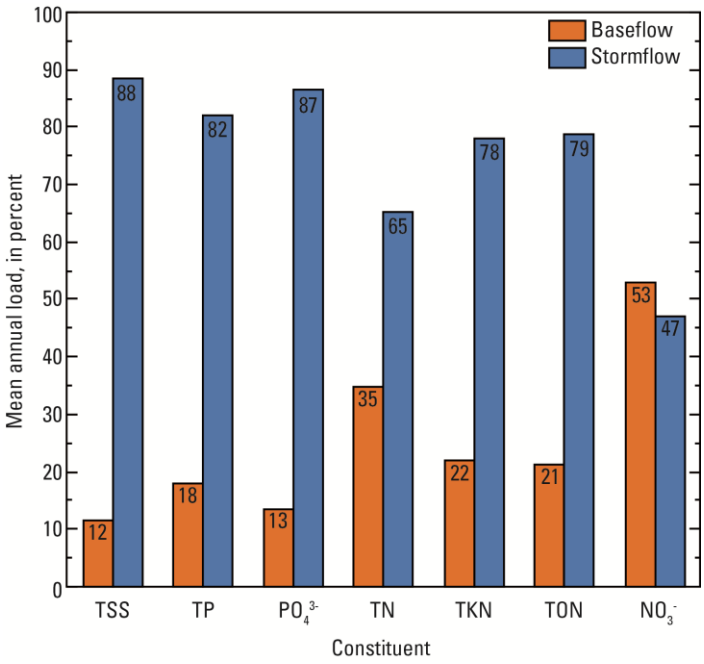

Figure 13. Proportion of constituent loads based on hydrologic source, baseflow or stormflow, for the Hampton Roads monitoring network.

Summary and Discussion

Overarching themes continue to be confirmed and validated as the Hampton Roads network gathers data. With over six years of data collected at most sites, each year of analysis confirms findings from the previous year while also prompting new questions and allowing for better comparisons with other urban networks. Observations show that 1) the intensity and frequency of storm events is extremely important to loads and yields in concert with the amount of imperviousness and watershed size, 2) baseflow contributions of groundwater are just as important as stormflow events, 3) the bioavailability of TN could be an important factor for future management decisions, and 4) while TP is a high contributor compared to other

monitoring networks, it may be due to the region's inability to retain TP, causing it to enter receiving waters more quickly.

Storm events and imperviousness

Annual discharges as well as nutrient concentration variability among land use types is still evident. As previously observed, constituent concentrations are greatest at sites with single-family and high-density residential sites compared to commercial sites, in contrast, annual yields normalized to drainage size tend to be higher at commercial sites. This variability is likely a function of percent imperviousness and is due to runoff volume rather than the concentration of inputs. As watershed imperviousness increases, the proportion of flow from storm runoff increases, and the proportion of flow from groundwater decreases. Impervious cover also increases the speed and volume of runoff and limits groundwater recharge. Similar to last year, a flashiness index was calculated to confirm that high intensity events move most of the particulate material through the systems.

Baseflow

As more data accumulates, we can continue to compare yields from runoff volume to baseflow or groundwater. This monitoring program is unique in that it captures dry weather baseflow that is primarily groundwater comprised of inorganic N while other monitoring programs run by USGS capture the baseflow of natural streams. This has been observed in stormwater systems in Minnesota, where baseflow is common during summer months and TN loading is predominant during those times (Janke et al. 2013). Management decisions can be based off the fact that more TN is mobilized during baseflow conditions while TP and TSS are mobilized during stormflow conditions.

Nitrogen bioavailability

The Chesapeake Bay Program's TMDL is only based on TN loads, however complex interactions occur with all nitrogen constituents, and not all TN should be treated equal. Understanding what types of nitrogen are fueling algal blooms, and subsequently low dissolved oxygen, can help inform management decisions on which type of nitrogen should be controlled or reduced. Since runoff or stormflow in the Hampton Roads network is mostly comprised of organic N and storms can account for nearly 50% of the total annual flow in the monitoring system, it may be valuable to understand the bioavailability of the organic N fraction in the receiving waters of the stormwater system. Different types of organic N, whether naturally formed, from runoff, or as a byproduct of wastewater treatment, can be bioavailable in estuarine

communities, but it depends heavily on the type and composition of organic N (Seitzinger et al. 2002, Filippino et al. 2011, Mesfioui et al. 2012). Organic N in this system could be from algae formed inside the pipe, resuspension of material as it travels through the system, or from outside sources washed from lawns and impervious surfaces. It is yet to be determined, however, if this type of organic nitrogen is bioavailable to organisms in the surface waters in the lower portion of the Bay. Typically, the lower portion of the Bay is limited by nitrogen and inorganic nitrogen is the preferred source of nitrogen for algal growth (Fisher et al., 1992). There is research on-going linking certain harmful algae growth to mixotrophy, or the ability of algae to prefer organic and inorganic nitrogen as their nutrient source (Hofmann et al., 2021, Mulholland et al. 2009). Once bioavailability is determined, managing for organic N on commercial sites for stormflow versus inorganic N on residential sites could be a valuable strategy. These types of bioassays for bioavailability are costly and a consistent laboratory method has yet to be developed.

For management purposes, approved BMPs do not have load reduction estimates for specific forms of nitrogen, they only account for bulk nutrient removal. However, some practices could be better at removing organic N versus inorganic N. For example, any BMP that is associated with settling of particles could remove more organic N and any BMP that performs denitrification (converting nitrate to nitrogen gas) would remove more nitrate. Many BMPs could fall into these categories however (living shorelines, floating treatment wetlands, oyster reefs, etc.), and more research is needed to determine efficiencies associated with nitrate or organic N removal and how to maximize those reductions. Evaluating BMPs that are able to reduce nitrogen during more extreme events and considering alternatives, like water storage, is a future research need that could be addressed within the Chesapeake Bay Program partnership.

Total Phosphorus in the coastal plain

Like TN, TP loads are generated at higher yields from commercial sites and are also being transported more during storm events as opposed to the baseflow. In comparison to other monitoring networks, TP and orthophosphate-P are relatively high, but this is likely a function of the coastal plain soils, not necessarily an increase in the source of TP as run-off. The adsorption of TP in soils in the region is very low as they contain more aluminum bound to P than iron bound to P (Aura, 1978; Walbridge and Struthers, 1993). Aluminum-bound P has a lower affinity than iron-bound P, and therefore, P is desorbed at a higher rate in this region. Also, the soils are mostly sandy, and that has a low affinity for P. While not directly measured, it is likely that the combination of TP from lawn, street, and other impervious surface run-off and the

mineralization of organic materials could lead to high yields of TP compared to other monitoring networks. Looking at bioavailability of TP constituents versus TN constituents would also help managers decide on strategies that may reduce TN versus TP. While BMP reduction efficiencies in Virginia are tied to TP, production of algae in receiving waters in the coastal plain are likely due to increased TN, as it is the limiting nutrient. Understanding the sources of organic P, whether it is tied to particles or dissolved, and its bioavailability in relation to TN would be helpful to understand for management purposes. Conversely, TSS did not vary from site to site. In comparison to other monitoring programs across the state conducted by the USGS, TSS concentrations are much lower in the coastal plain.

Future Steps

This monitoring program has relevance beyond the Hampton Roads region. As part of a FY22 funded STAC proposal, the findings of this network will be explored more thoroughly for incorporation into the Phase 7 Watershed Model for the CBP. Entitled "Using Local USGS Monitoring Results to Inform the Chesapeake Bay Program's Watershed Model", the workshop will be held in early 2023 and will compare local urban and agricultural monitoring networks to generalize and parameterize loads from the various regions across the Bay watershed. In addition to the STAC workshop, USGS has nearly completed its first publication on this network. This paper provides an in-depth evaluation of the data collected to date, including statistical analyses not shared in this report and robust comparisons to the other networks.

Through continued monitoring and research, the region can get closer to calculating runoff ratios based on impervious surfaces, investigate, and apply management strategies that target the bioavailable nutrients, and inform decision-makers using the best available science for the region. It is the goal of this monitoring program to factor in storm variability, baseflow, and land use type over an extended period to establish demonstrable loading rates in the coastal plain. Over the course of the next few years, monitoring equipment will need to be replaced and localities will need to find funding to continue producing data for the benefit of Virginia and the Bay watershed. Localities will continue to collaborate with USGS and HRSD to collect data, evaluate loading rates over the long term, and conduct further research to answer some of these important management questions for the health of the Bay and local waterways.

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Appendix A

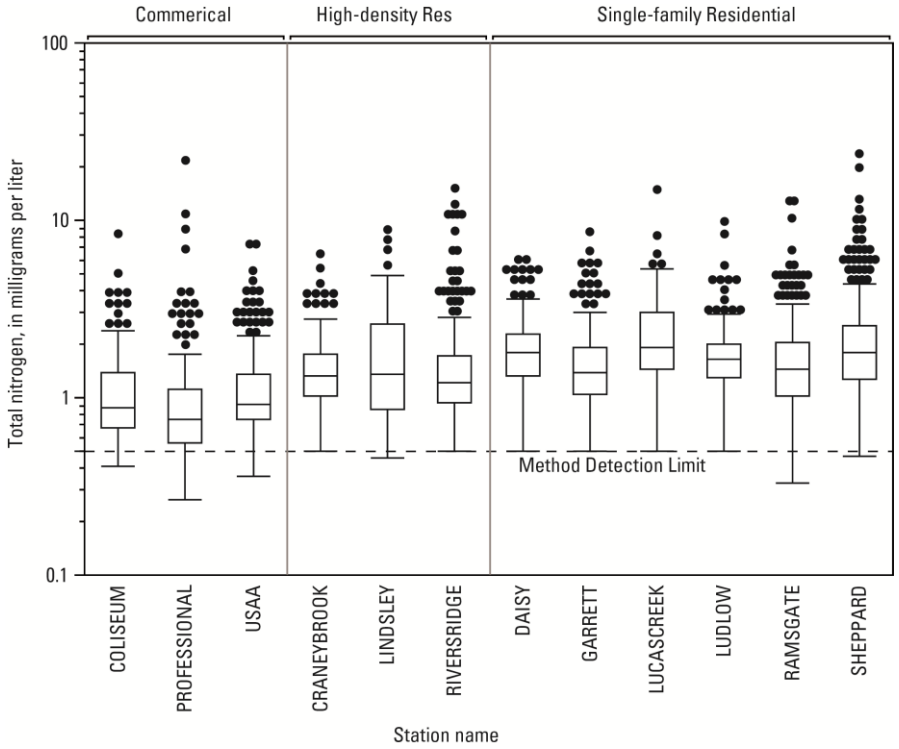


Figure A1. Boxplots of TN concentrations by individual station during the water year, Oct. 1, 2020 – Sept. 30, 2021.

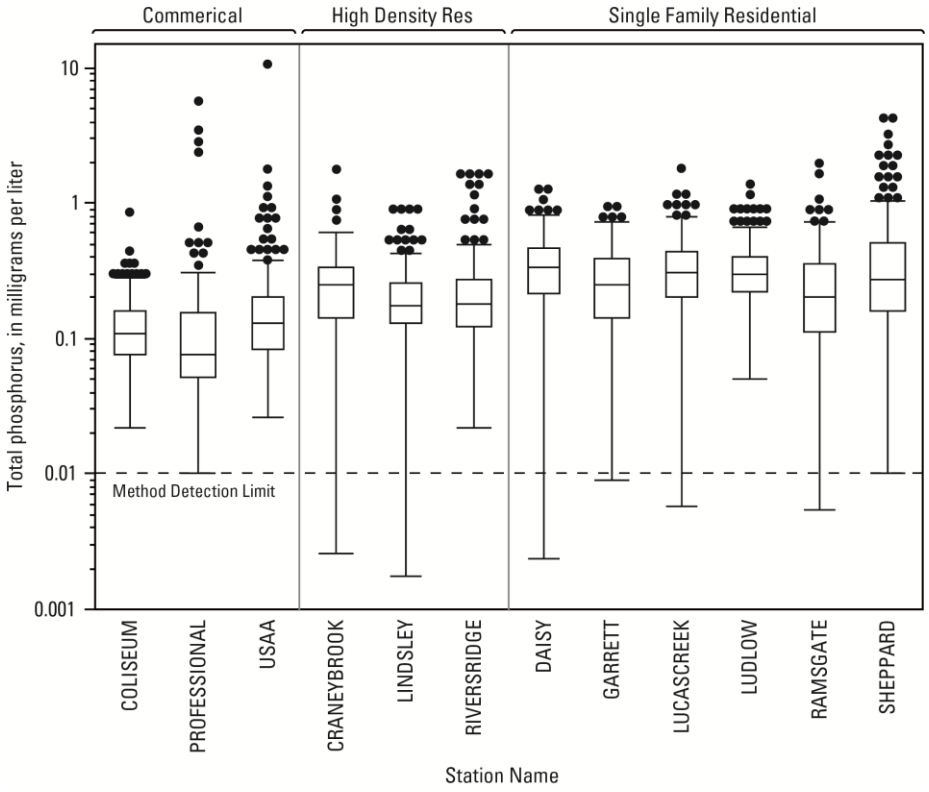


Figure A2. Boxplots of TP by individual station during the water year, Oct. 1, 2020 – Sept. 30, 2021.

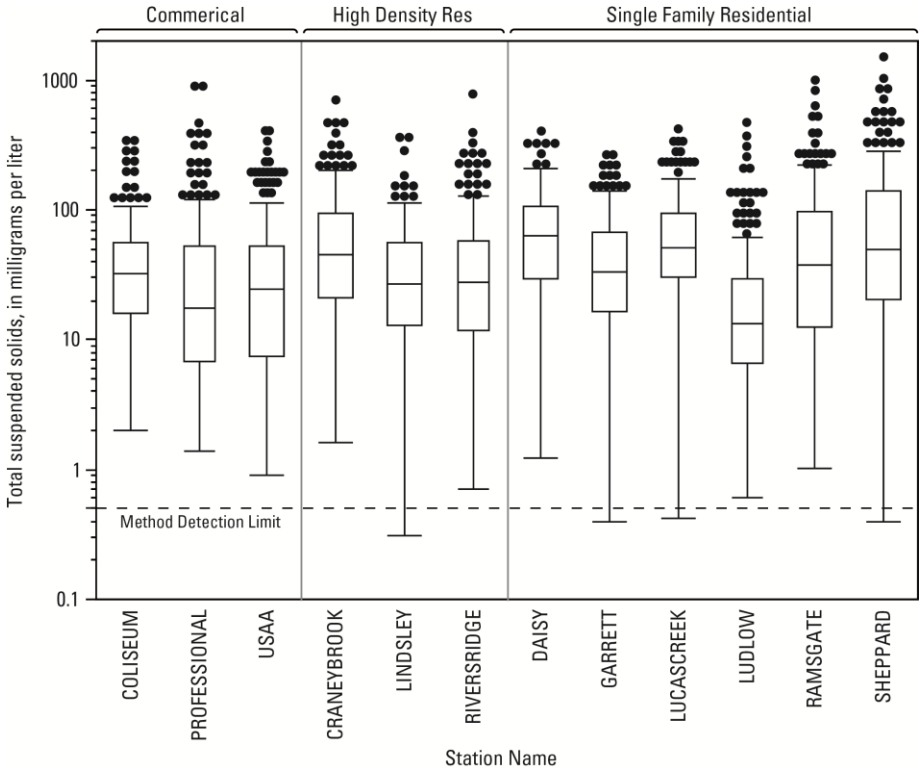


Figure A3. Boxplots of TSS concentrations by individual station during the water year, Oct. 1, 2020 – Sept. 30, 2021.

Hampton Roads Regional Water Quality Monitoring Program

The Problem:

Data describing urban stormwater nutrient and sediment loading rates within the Virginia Coastal Plain are lacking.

Without locally relevant data, does the current Chesapeake Bay Watershed Model accurately predict loading rates in this unique region?

How much nitrogen, phosphorus, and sediment is transported to streams via urban runoff?

Program Objectives:

1. Collect high-quality data representative of the region.
2. Use those data to compute annual nutrient and sediment loading rates that can be compared to those calculated for the Chesapeake Bay Total Maximum Daily Load.

The program also seeks to better understand:

- How loading rates in Hampton Roads compare to other urban areas.
- How loading rates vary across land use types.
- How other factors influence constituent concentrations and loading rates (hydrology, season, etc.).

Additional Benefits of monitoring:

- The program satisfies monitoring requirements for MS4 permits.
- Existing infrastructure and data collection can be used to answer additional questions at reduced costs.
- Improved understanding of spatial variability in loads across the region – use to inform watershed management actions.

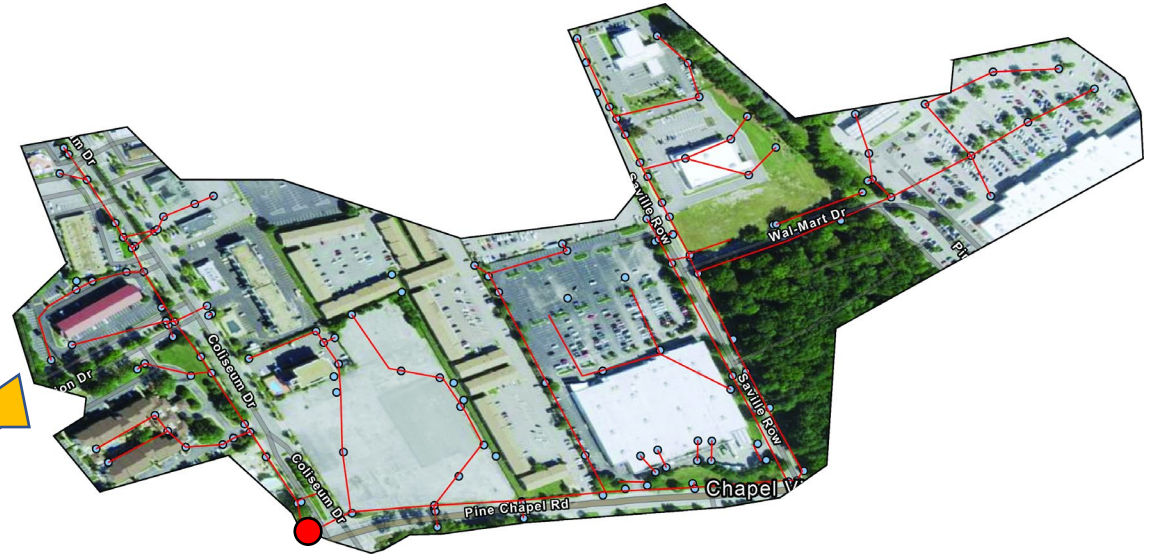
Contact: *Aaron Porter – USGS VA and WV Water Science Center*

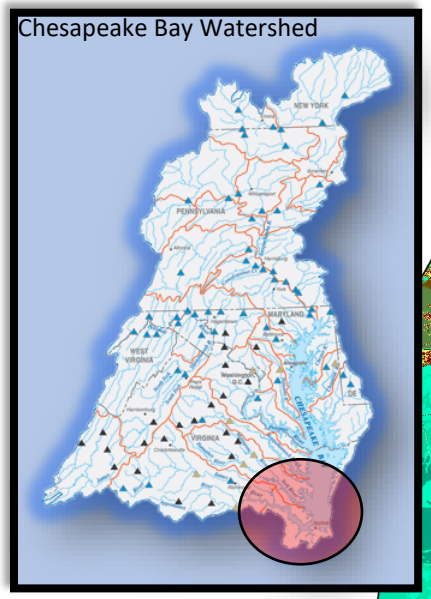
Data and additional information are available at:
https://www.usgs.gov/centers/va-wv-water/science/hampton-roads-regional-water-quality-monitoring-program

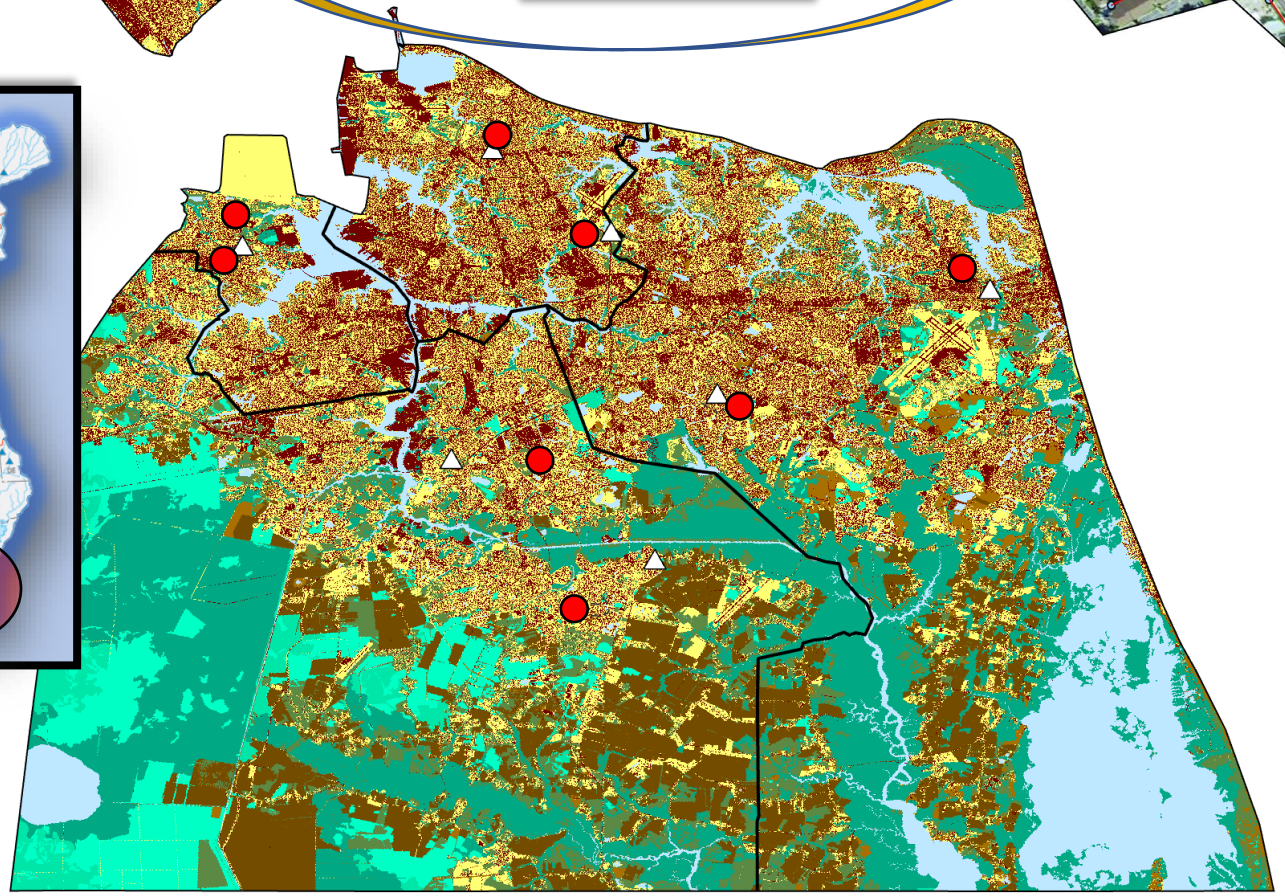
USGS science for a changing world

This information is preliminary and is subject to revision. It is being provided to meet the need for timely best science. The information is provided on the condition that neither the U.S. Geological Survey nor the U.S. Government shall be held liable for any damages resulting from the authorized or unauthorized use of the information

EXPLANATION
- Study area
- Land cover
  - Impervious
  - Water
  - Tidal wetlands
  - Floodplain wetlands
  - Forest
  - Mixed open
  - Turf grass
  - Cropland/pasture
- HRSD raingage
- USGS monitoring station







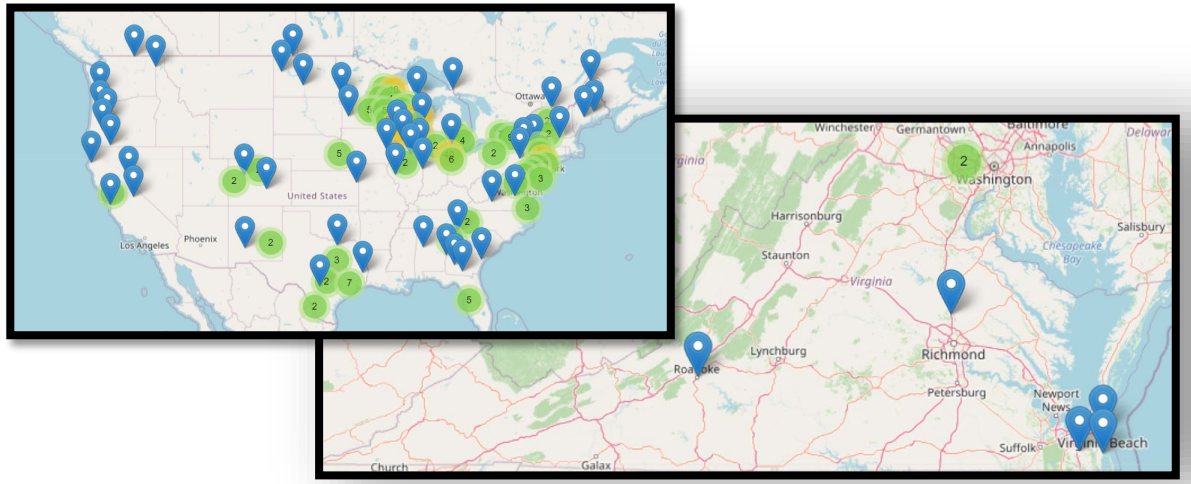
Study Design:

- 12 water-quality monitoring stations in small, highly urbanized watersheds representing commercial, high-density residential, or single-family land uses provide:
  - High-frequency (5-min. interval) measurements of streamflow and basic water-quality parameters
  - Nutrient and sediment data representing the full range of hydrologic conditions

Monitoring is conducted within the storm drain network (in-pipe). The monitoring program also utilizes data from 10 HRSD precipitation monitoring stations.

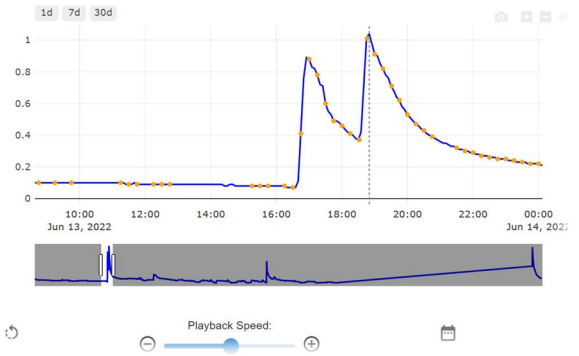
Preliminary Information-Subject to Revision. Not for Citation or Distribution

Imagery – The New Frontier in Stream Monitoring



HIVIS Dashboard

Hydrologic Imagery Visualization and Information System



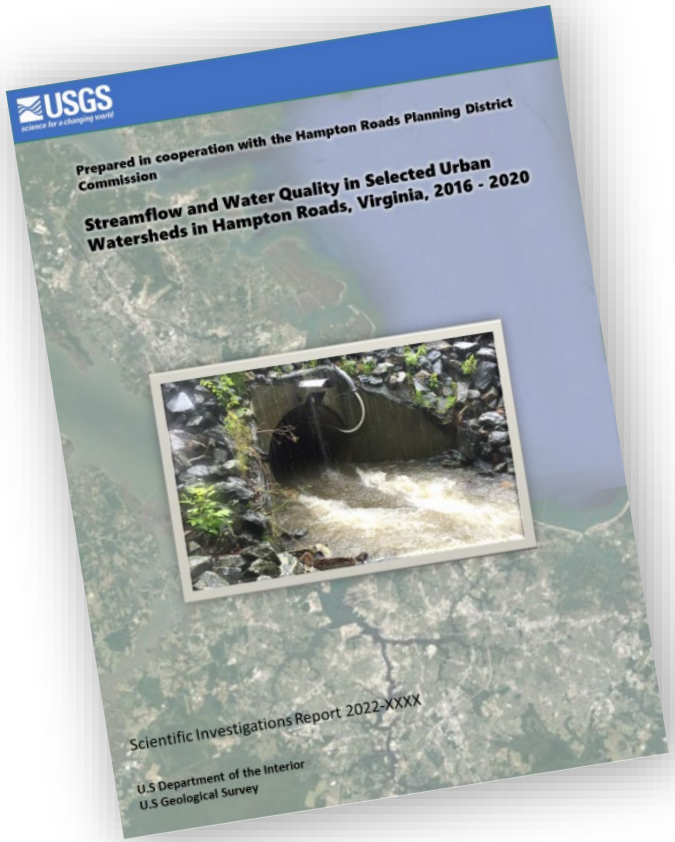
Many uses and benefits

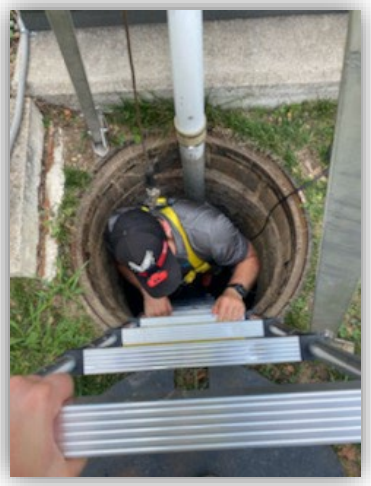
- Outreach and publicity
- Measuring water level
- Measuring streamflow
- Diagnose technical issues
- Site security
- Bank erosion monitoring

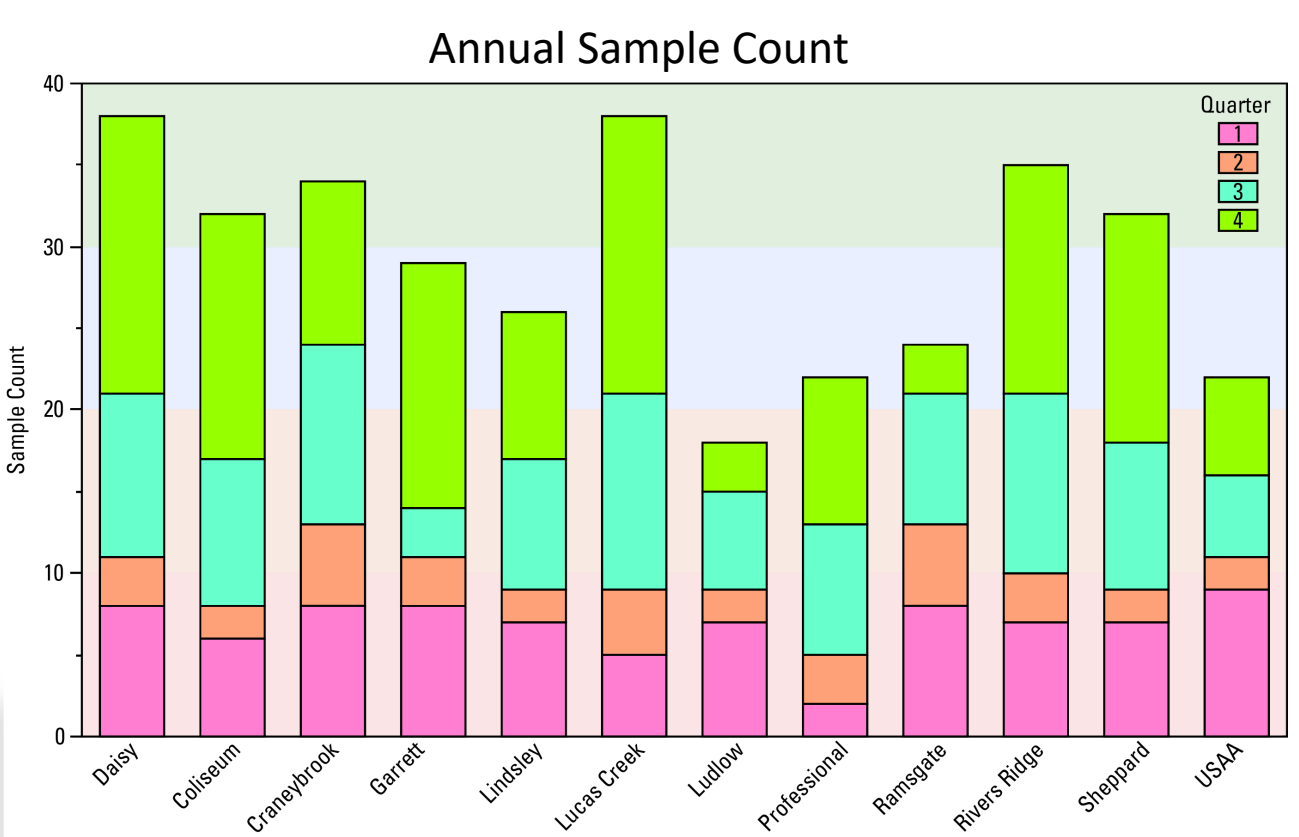
- https://apps.usgs.gov/hivis/camera/0204309906_VA_Ramsgate

Preliminary Information-Subject to Revision. Not for Citation or Distribution

Progress and Updates
July 1, 2021- June 30, 2022



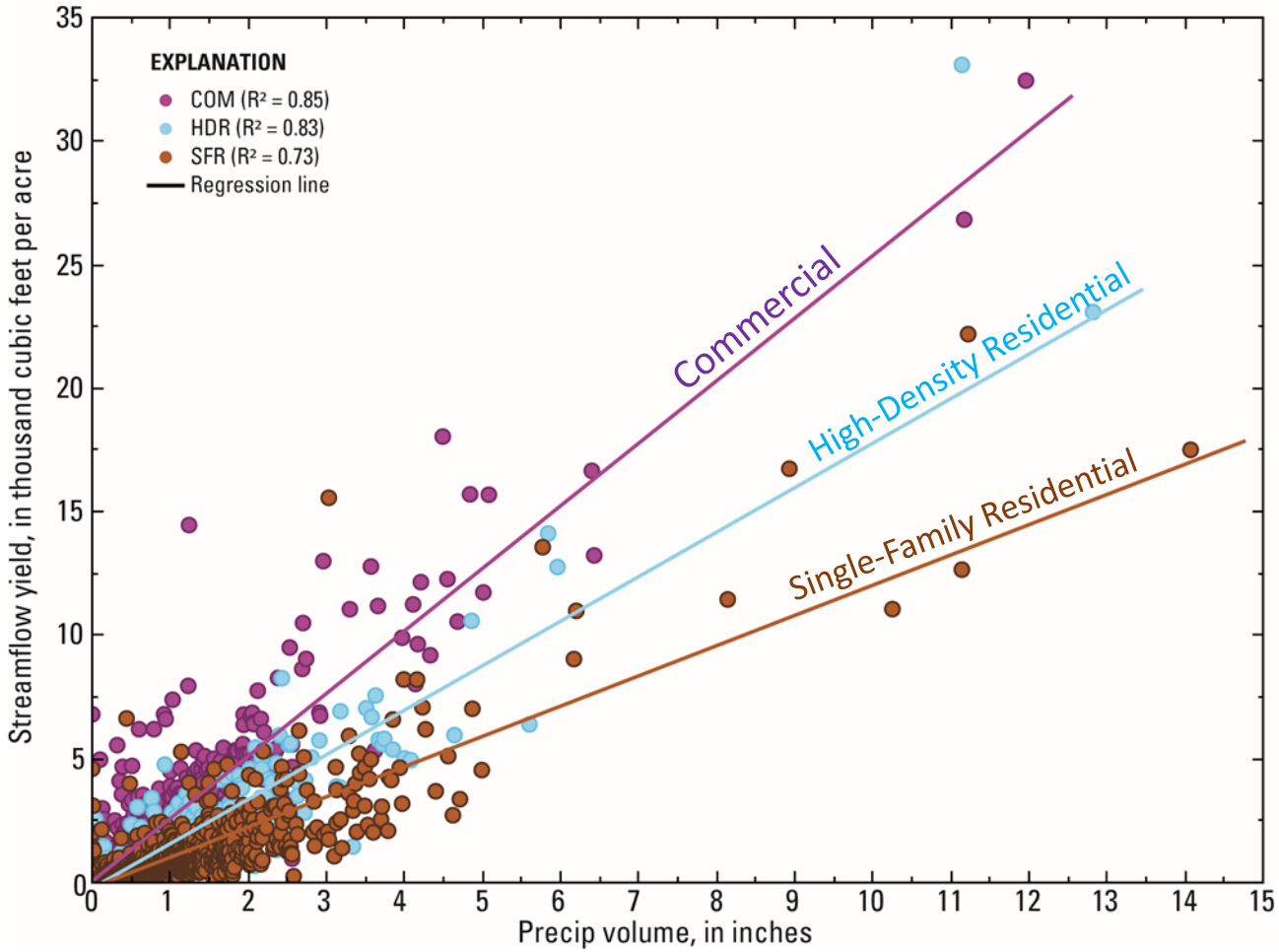


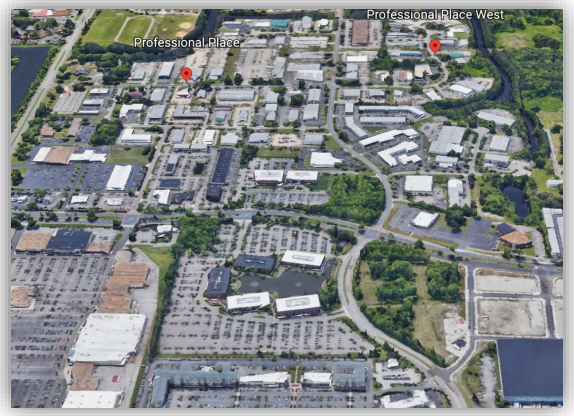


Provides a comprehensive analysis of streamflow, water quality, and nutrient and sediment loads from 2016 - 2020

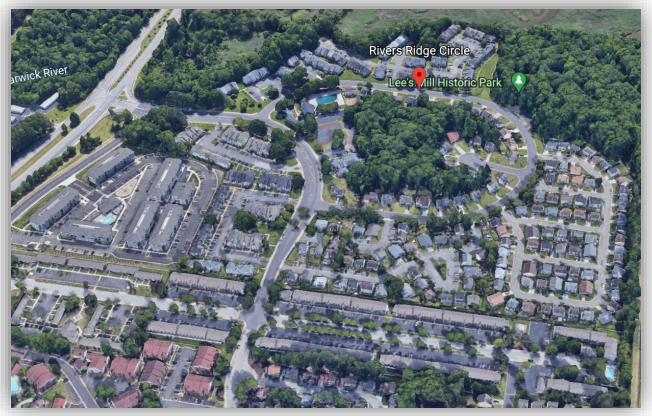
Preliminary Information-Subject to Revision. Not for Citation or Distribution

The rainfall-runoff response differs across the 3 primary land uses in Hampton Roads.





Commercial



High-Density Residential

Single-Family Residential

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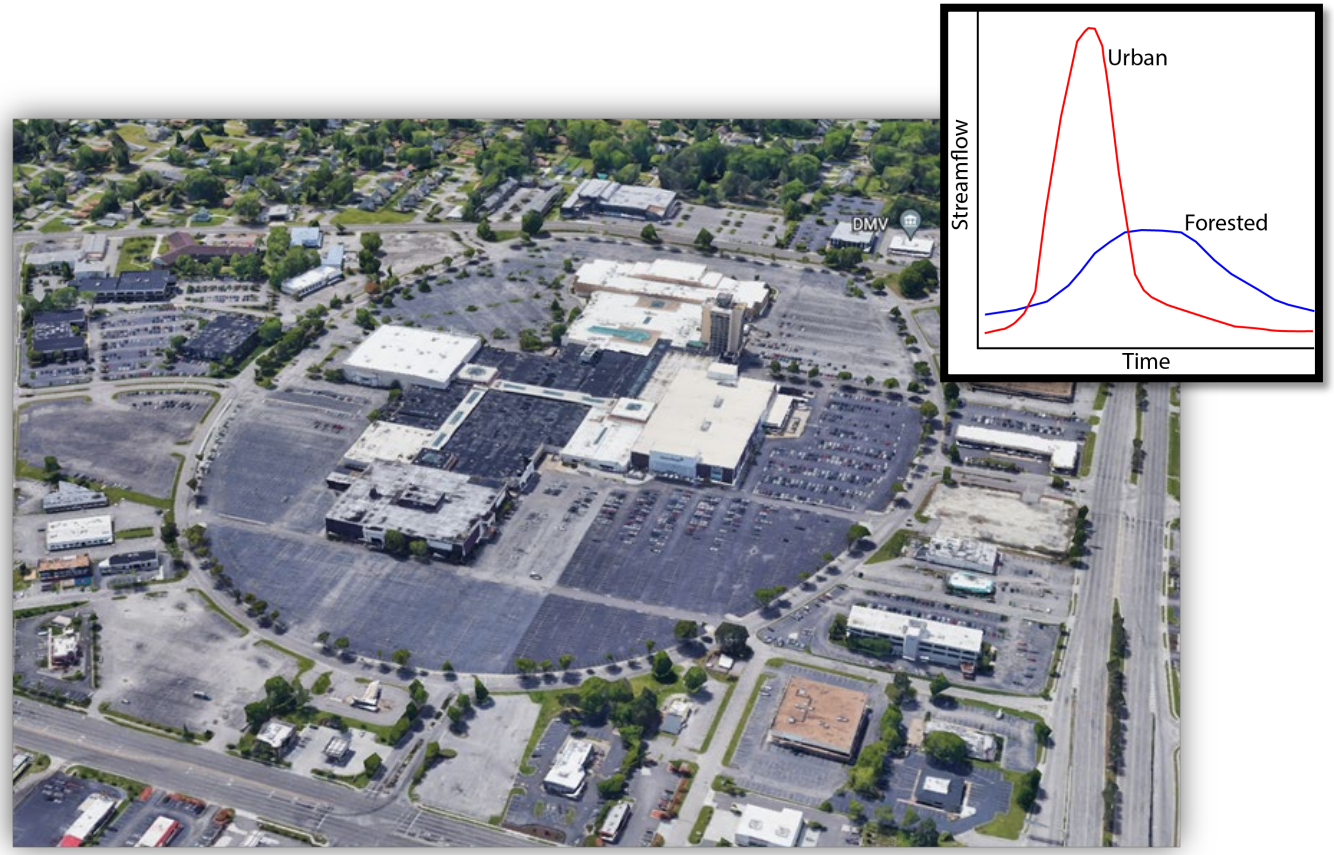
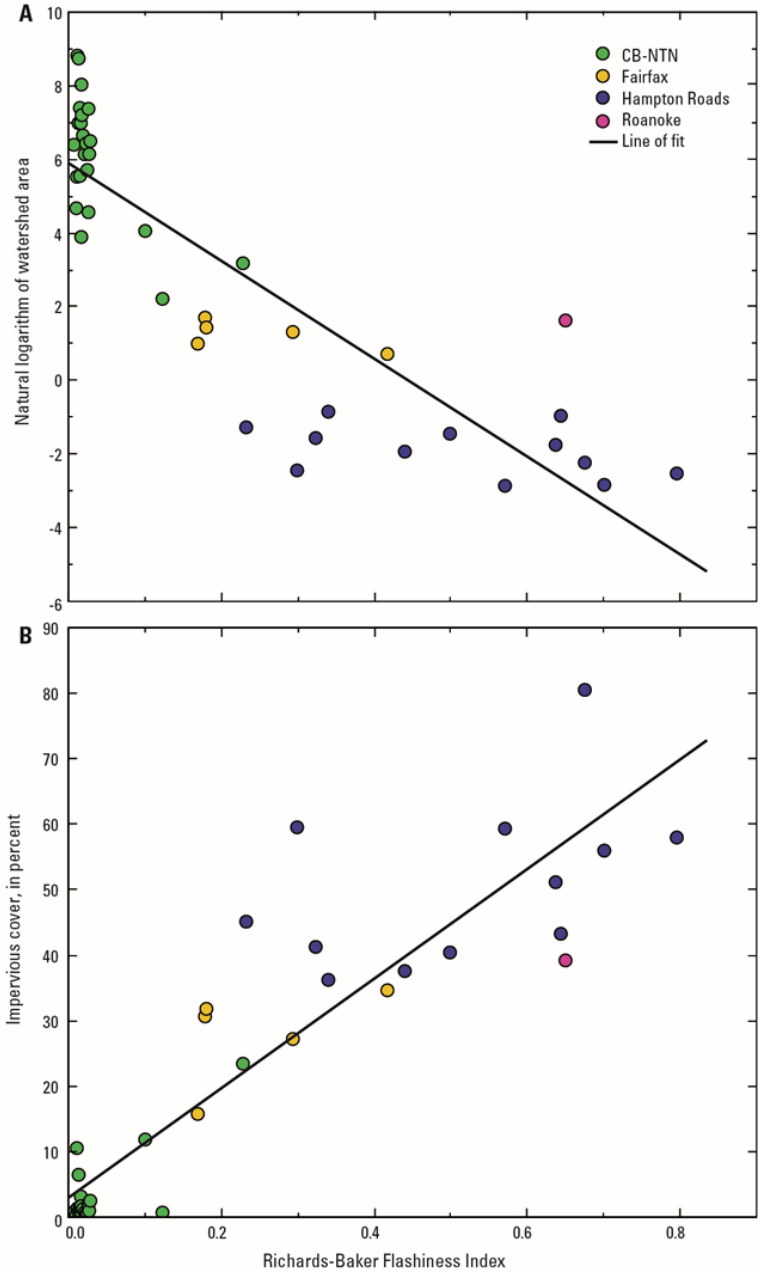
Small, highly developed watersheds produce a very flashy hydrologic response.

Rain flows rapidly from the point that it falls – to the storm drain – and onto the receiving waterbody.





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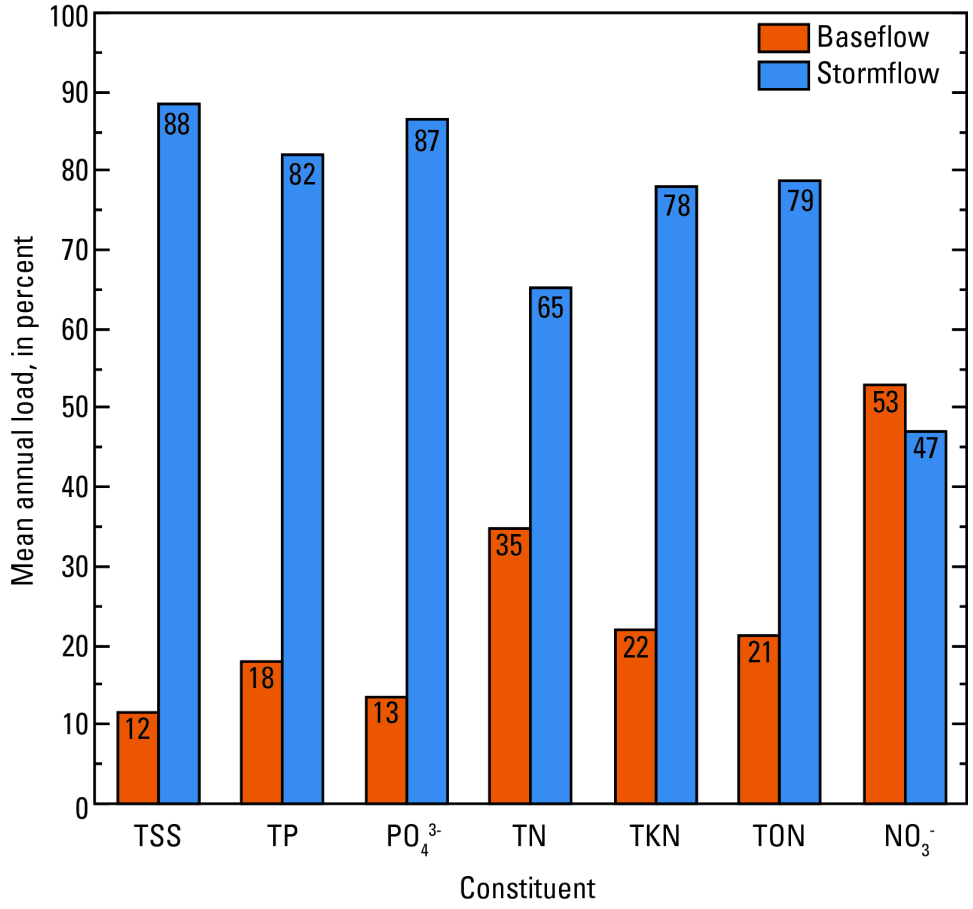
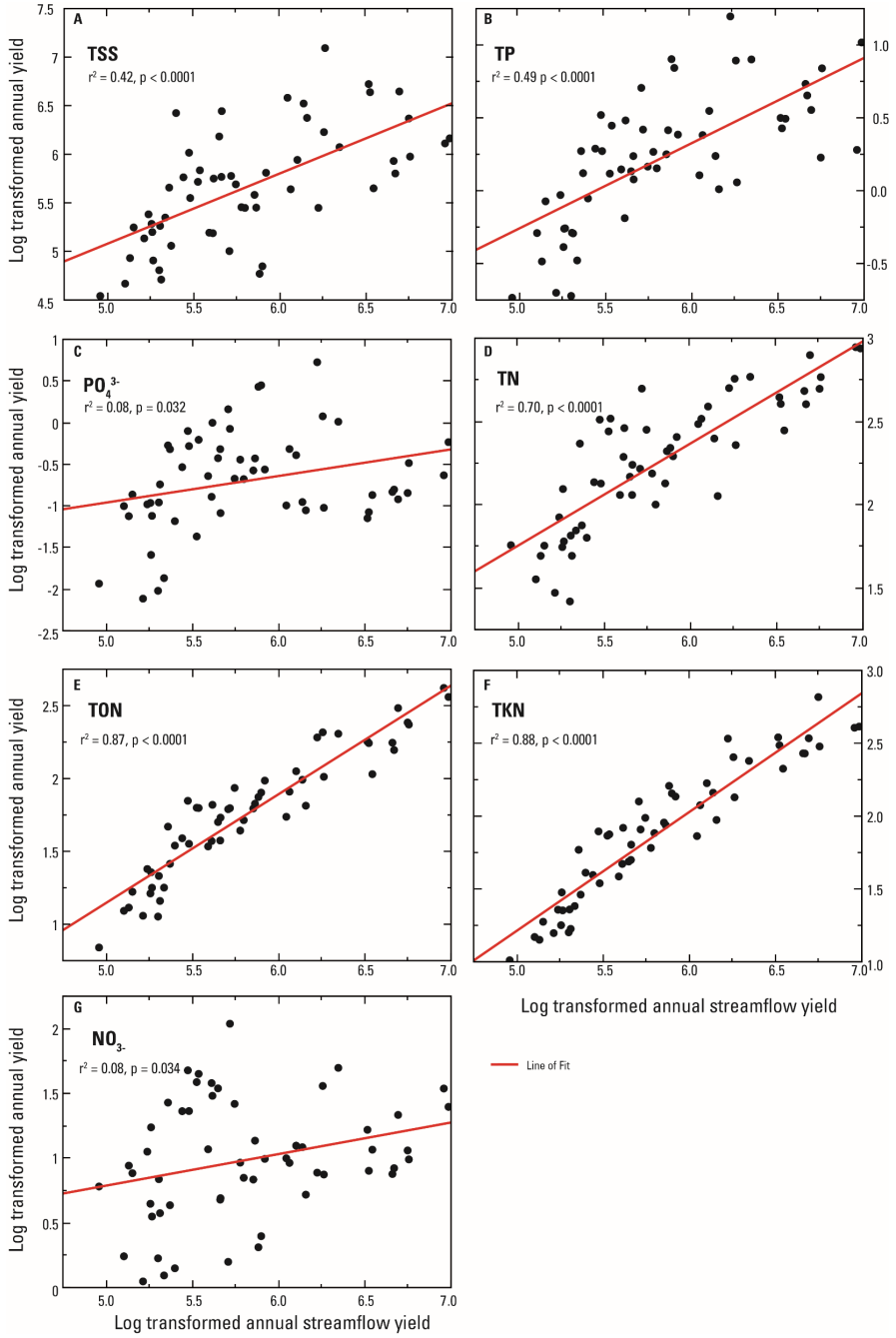
Watersheds that generate more streamflow typically yield more nitrogen, phosphorus, and sediment

Loads are generally conveyed by storm runoff but baseflows matter – even in storm drains.





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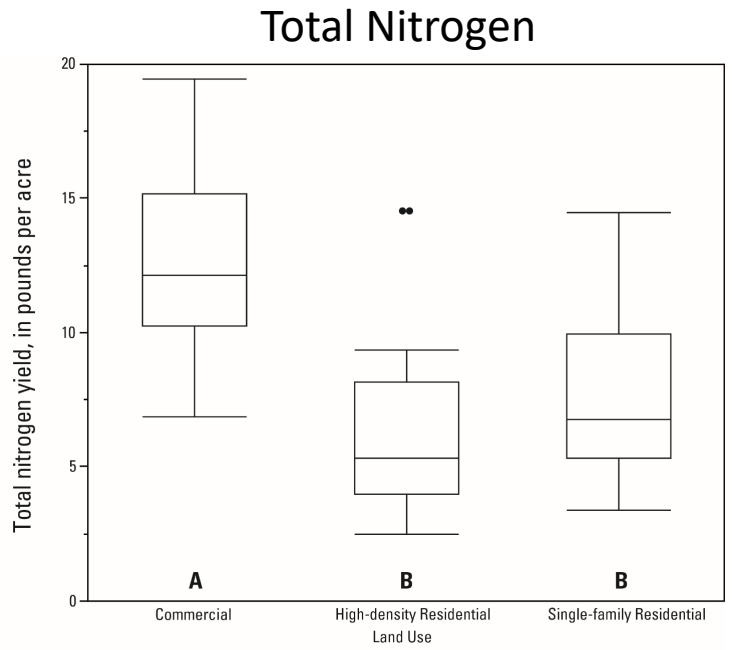
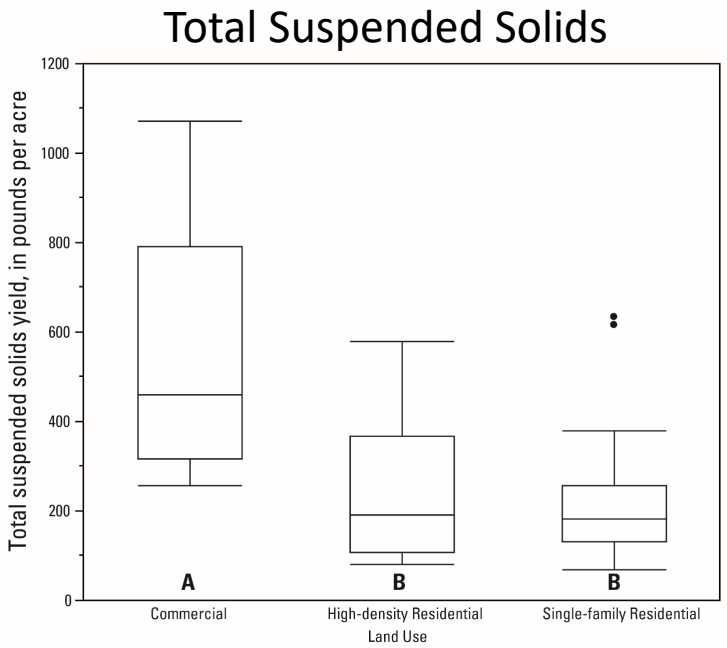
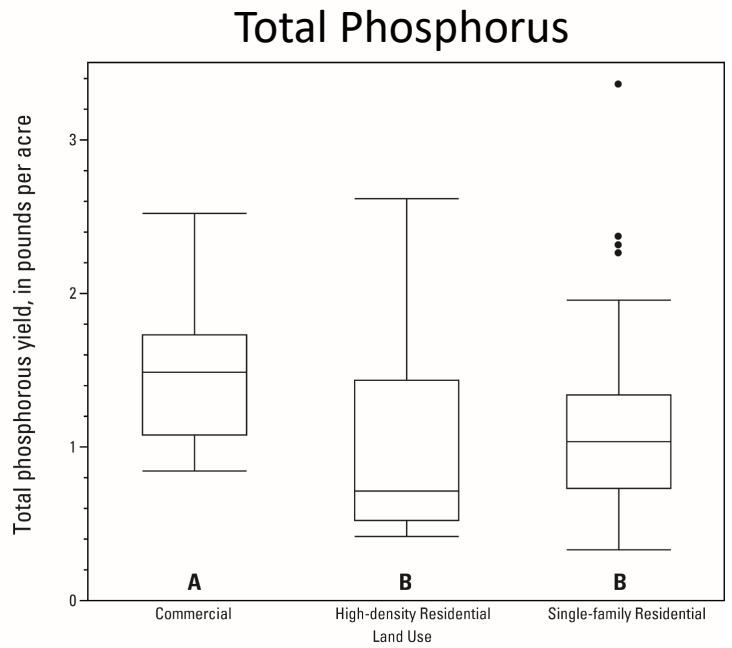
Land use matters: Commercial watersheds yield more nitrogen, phosphorus, and sediment than residential lands.

- The density of residential development does <u>not</u> have a clear influence on loading – high density does not differ from single family.
- Differences in nitrogen yields are driven by <u>both</u> dissolved/particulate and organic/inorganic fractions.
- Differences in phosphorus yields are driven by the particulate fraction – orthophosphate yields do <u>not</u> differ.

Single Family -> High-density Res. -> Commercial







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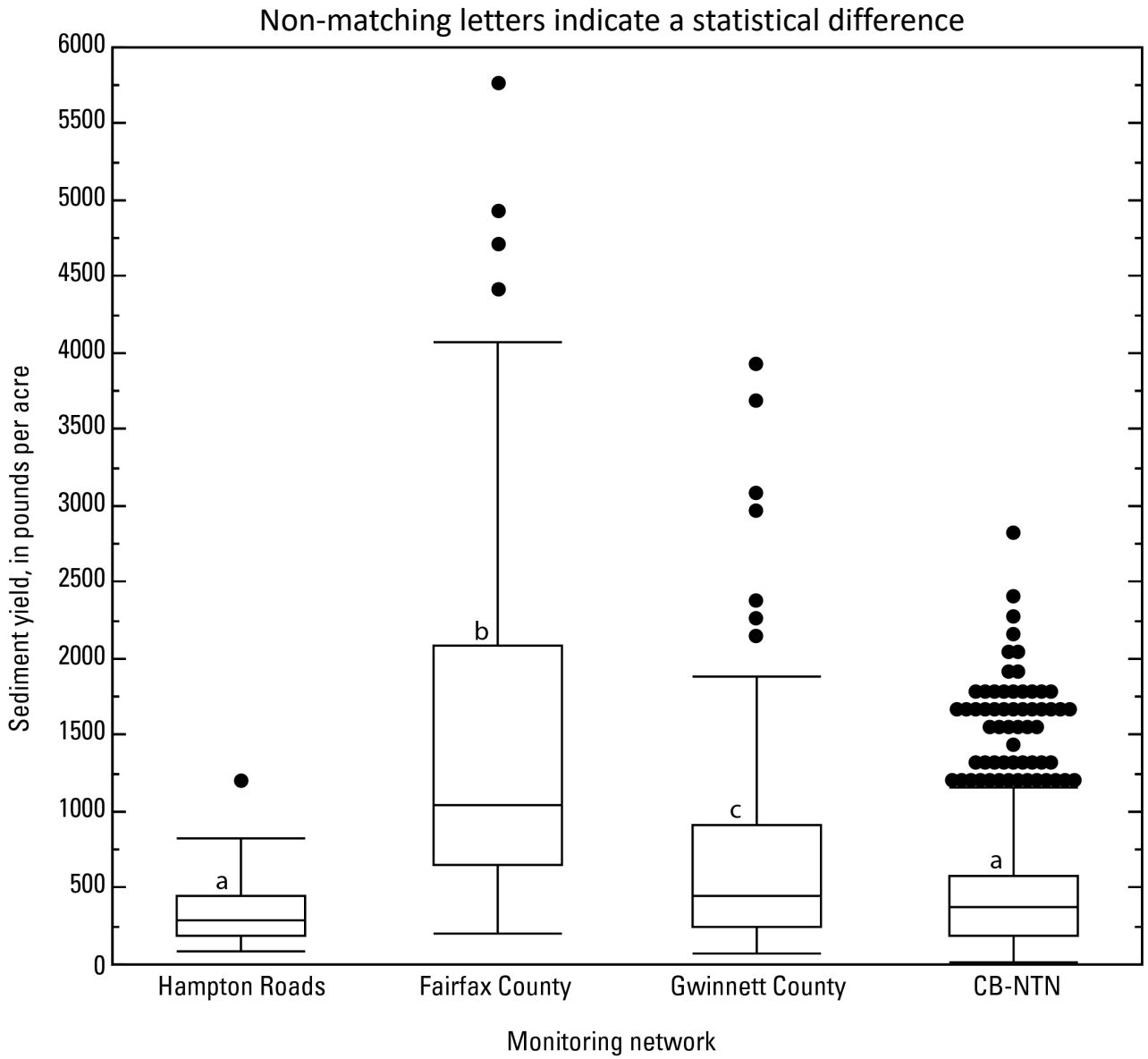
How did we think sediment yields would compare across regions (Coastal Plain vs Piedmont)?

- Yields will be lower in Hampton Roads.

What have we learned?

- Loads are much lower!
- Models calibrated to sediment data collected in the Piedmont region may not accurately reflect conditions in the Coastal Plain.



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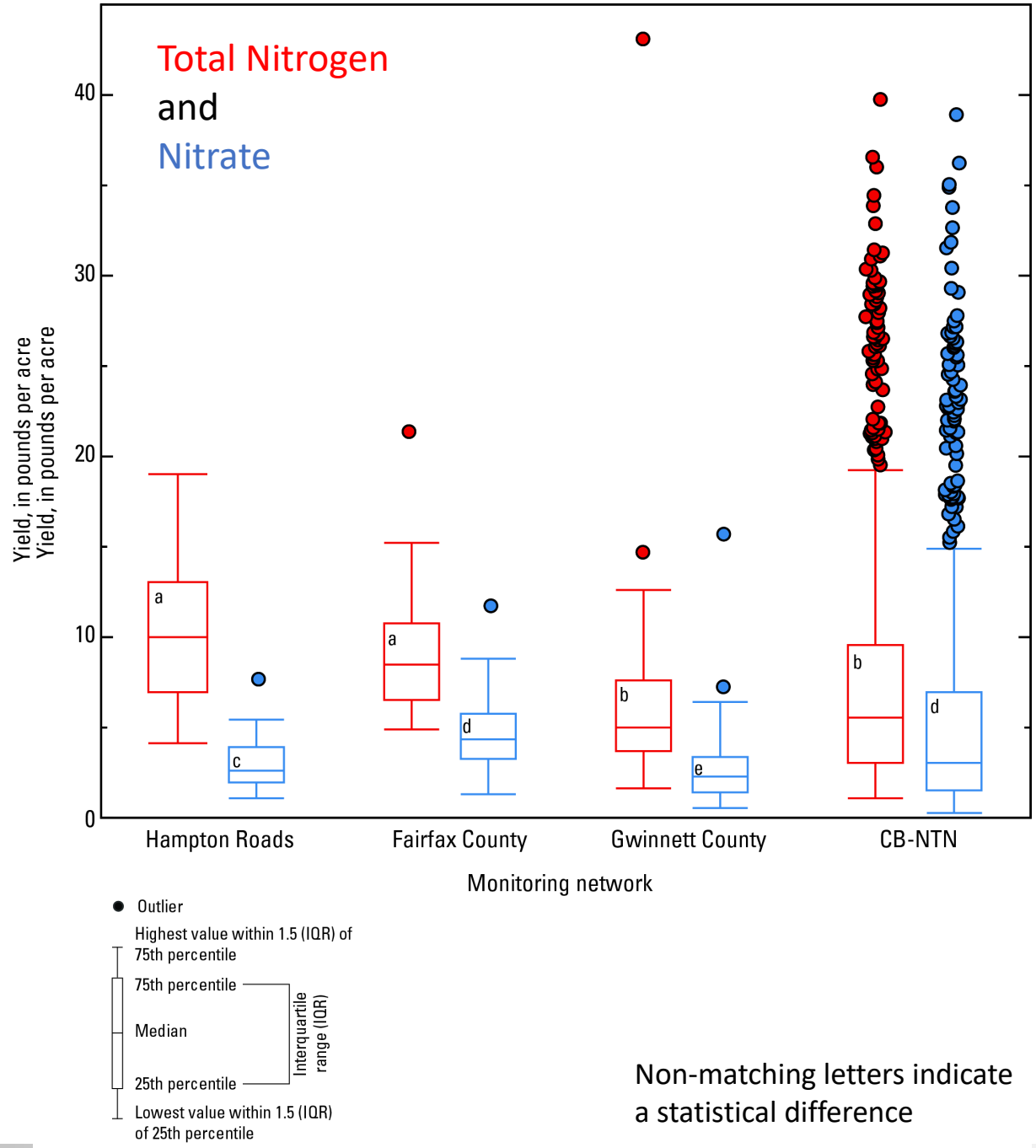
How did we think nitrogen and phosphorus yields would compare across regions (coastal plain vs piedmont)?

- N yields will be similar or lower in Hampton Roads.
- P yields will be lower in Hampton Roads.

What have we learned?

- N yields are similar BUT the composition is much different – organic vs inorganic.
- P yields are higher – both total P and orthophosphate.



Non-matching letters indicate a statistical difference

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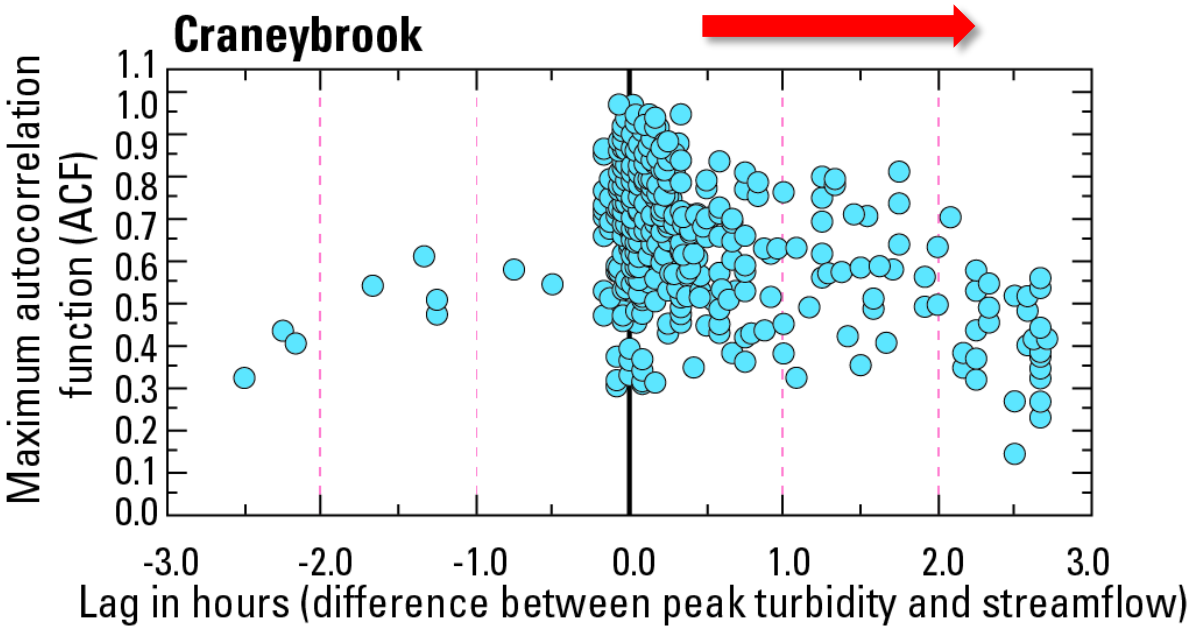
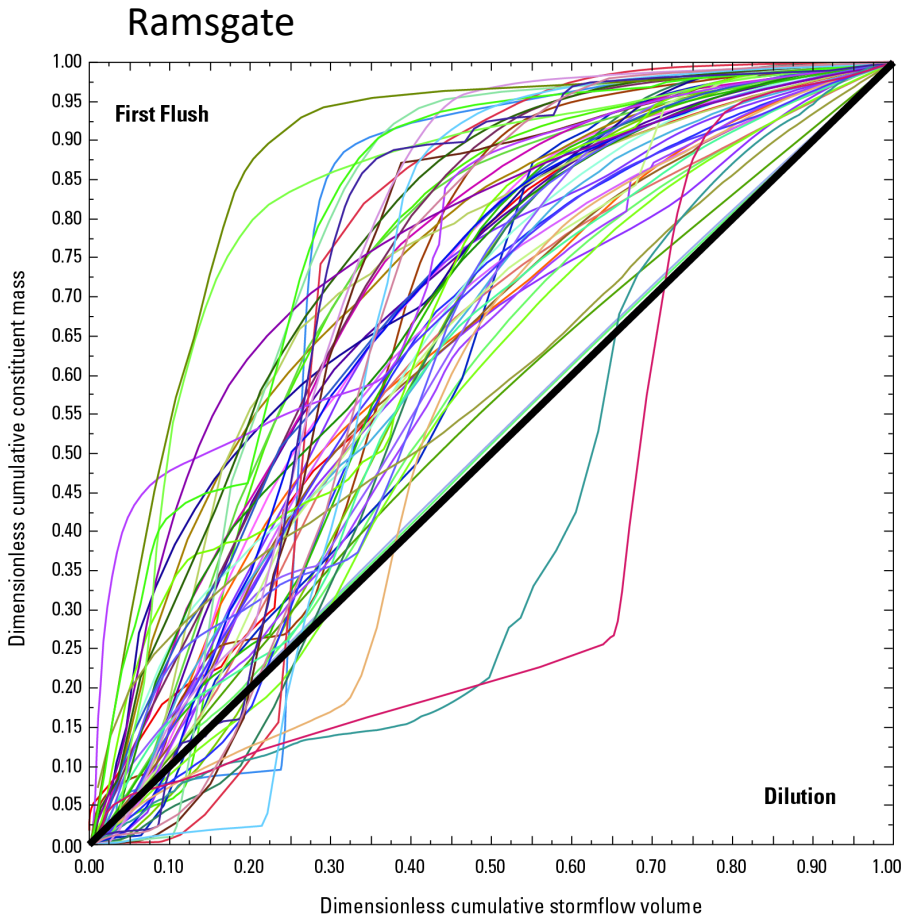
Loading characteristics vary storm-to-storm and within the course of any given event

Most of the N, P, and sediment transported by a storm is conveyed during the early phase of the event.

This is especially true for sediment and phosphorus.

This phenomenon is commonly referred to as the “first flush.”





These analyses allow us to determine that….

The average storm runoff response in Hampton Roads lasts about 8 hours, but in the first 1.5 hours of the event 68% of the TSS load is transported out of the watershed. This material is conveyed by the initial 45% of runoff.

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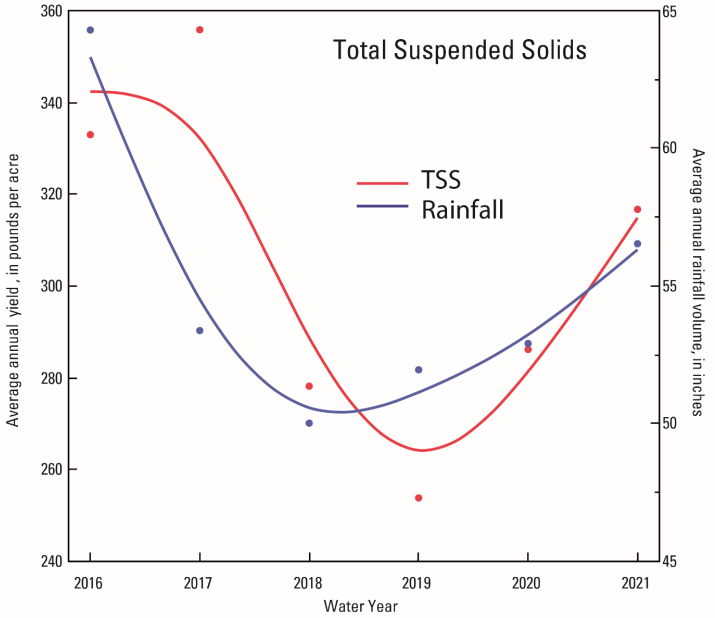
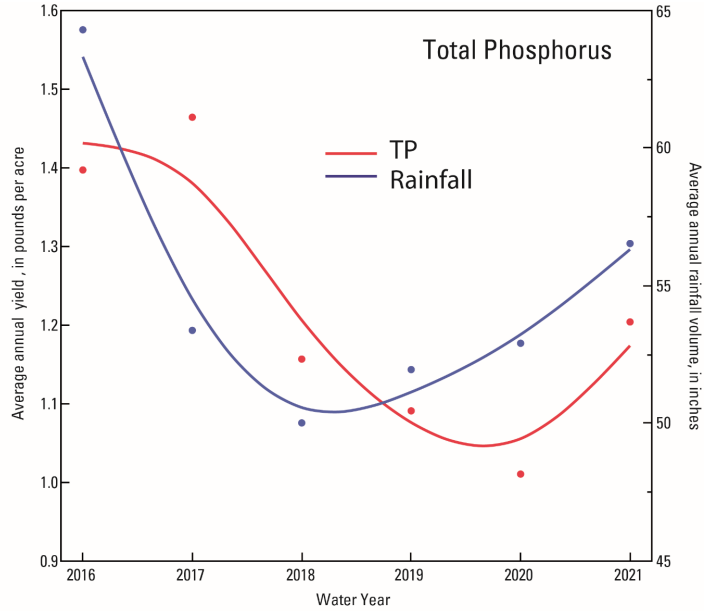
How stable are yields year-to-year?

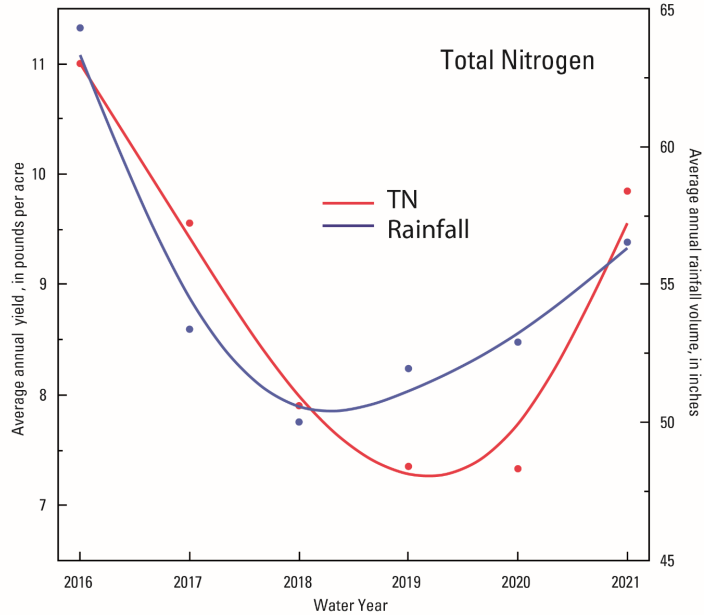
Rainfall patterns are a major factor driving year-to-year variability in loads. Loads are higher in wetter years.

We have observed a decent range of conditions so far – this is good!

10 years is the bare minimum record length required to investigate trends in load – right now this is mostly “noise” – but we will get there.







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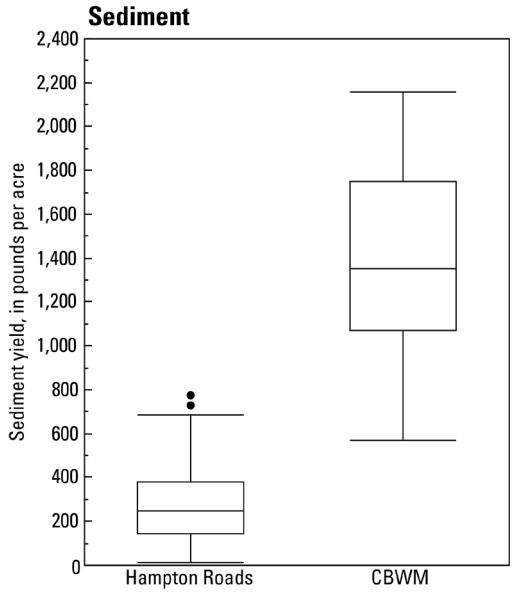
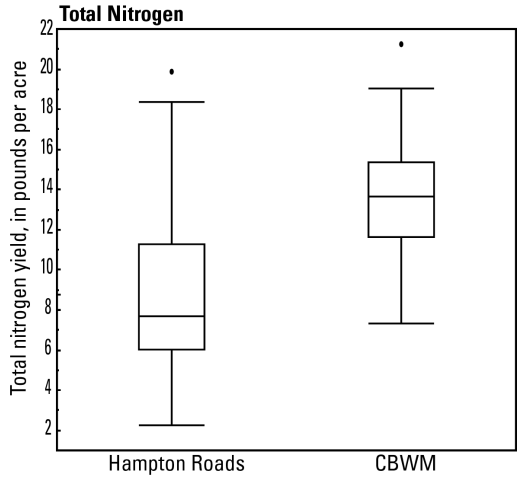
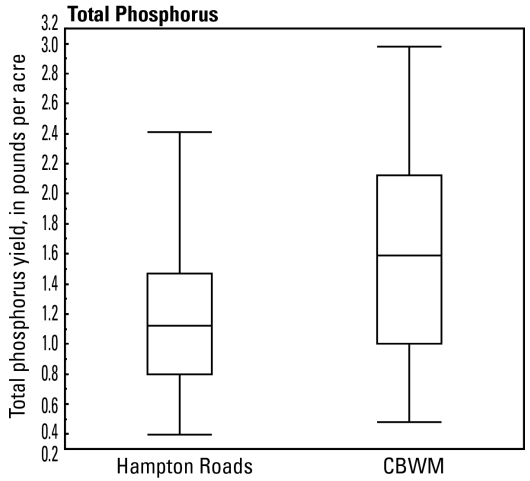
Why is this network so important?

- Locally relevant data provides leverage in regulatory negotiations.
  - Inform future versions of regulatory models – STAC workshop – Fall 2022
  - USGS Scientific Investigations Report - 2022
- This is one of the most robust monitoring networks in the Chesapeake Bay Watershed and one of very few such networks in the nation – especially given the unique environment (in pipe monitoring).
- It satisfies your MS4 monitoring permit requirements.
- It Provides useful data to local stormwater managers - providing answers to questions like 1) what are current conditions, 2) where is loading highest/lowest, 3)where should we target BMP measures.
- There is power in partnership

Scientific and Technical Advisory Committee







Comparisons are provisional and for exploratory use only

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Questions still to answer, other uses of the monitoring infrastructure, and additions to the existing program.

- How do conditions vary spatially (across the network) and temporally (over time)?
- What is driving spatial and temporal variability? What predictor data are available?
- Phosphorus is elevated – why? and what are the primary sources?
- Nitrogen loads are primarily composed of organic N – what are the primary sources and what is the fate of N entering these engineered systems?
- Are there opportunities to utilize the existing infrastructure to satisfy other regulatory requirements or answer other management questions unrelated to the primary objectives of this program – at a reduced cost.

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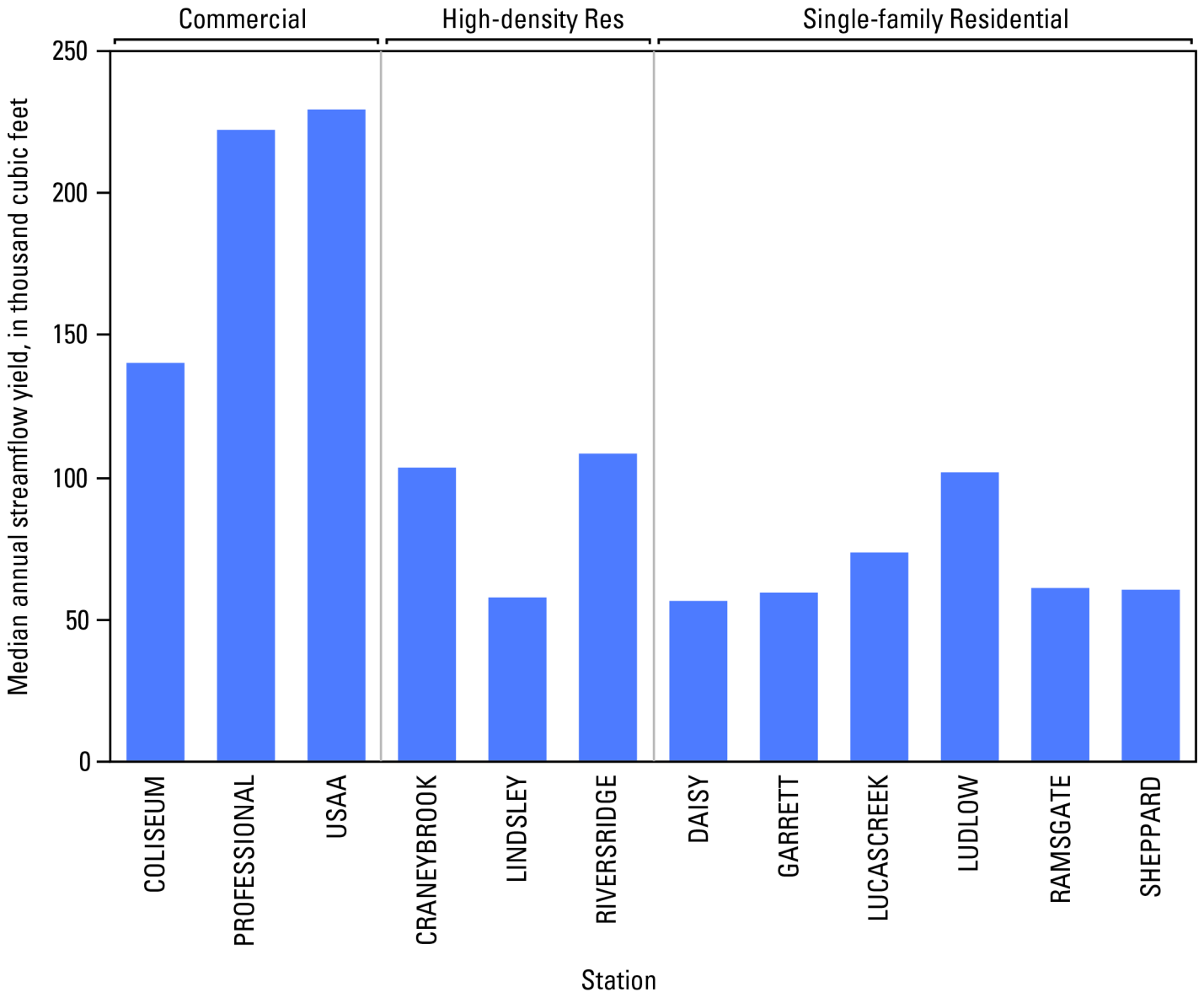
Annual Streamflow Yield



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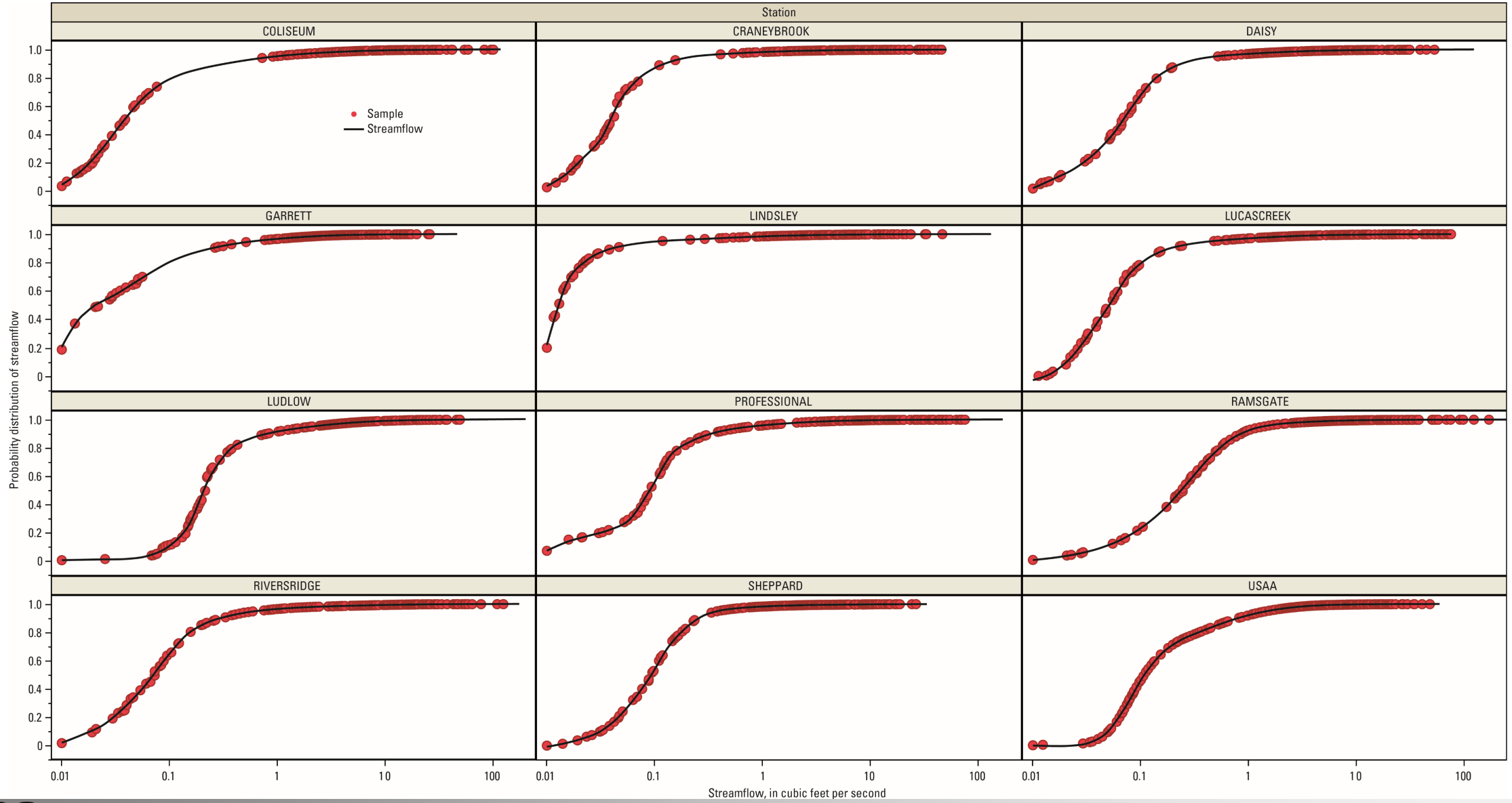
Sample distribution across hydrologic conditions



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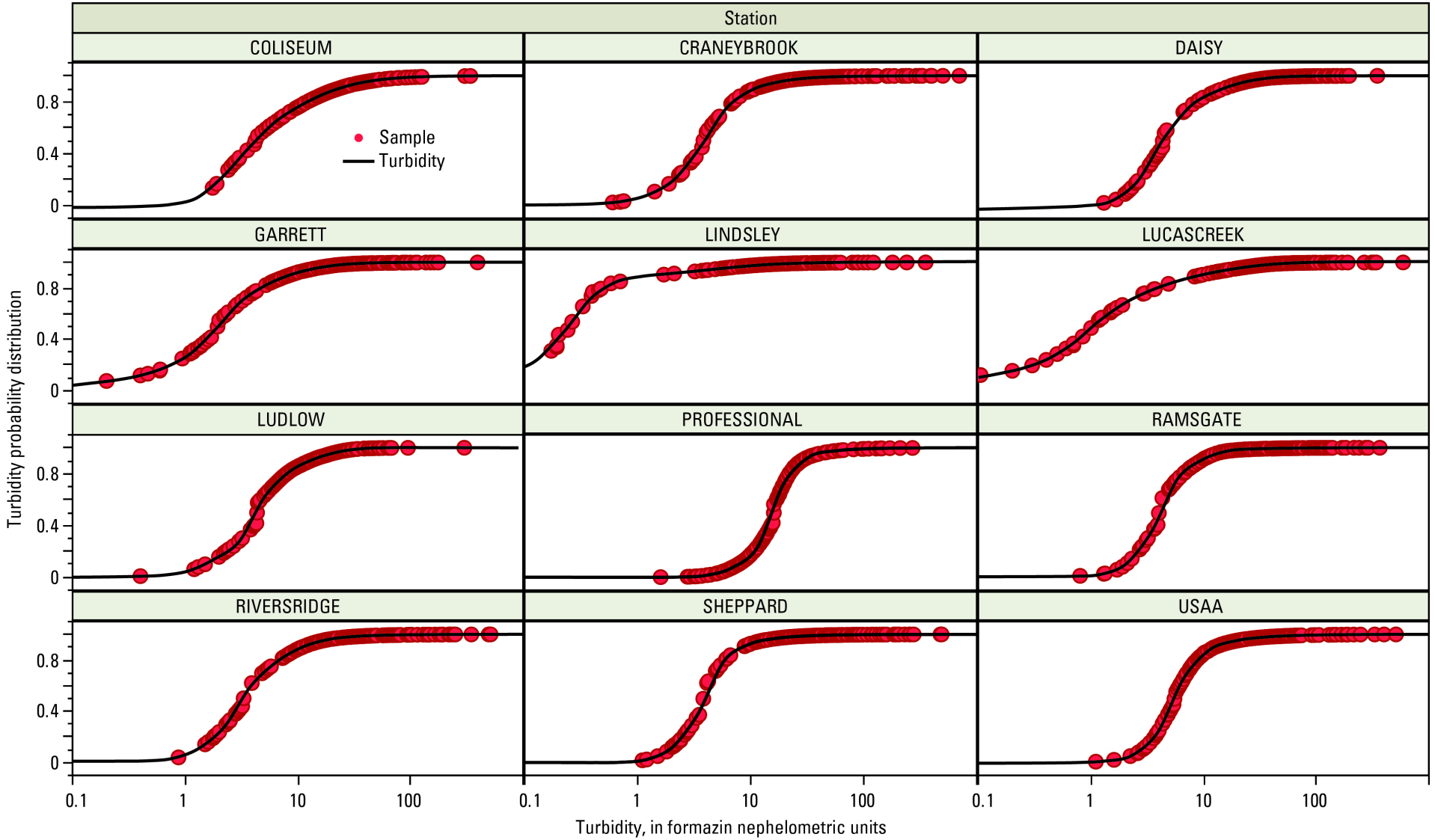
Sample distribution across observed turbidity



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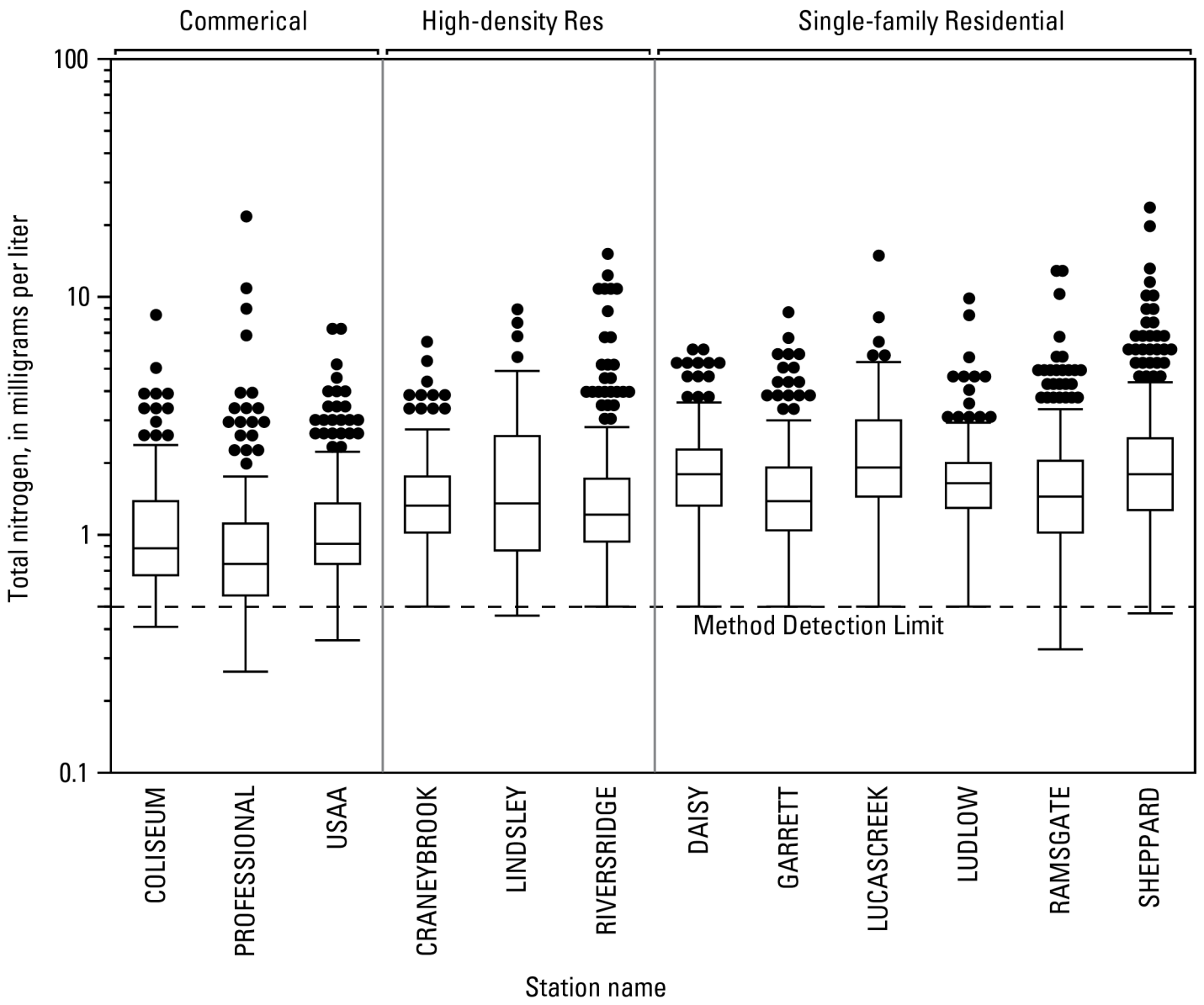
Total Nitrogen



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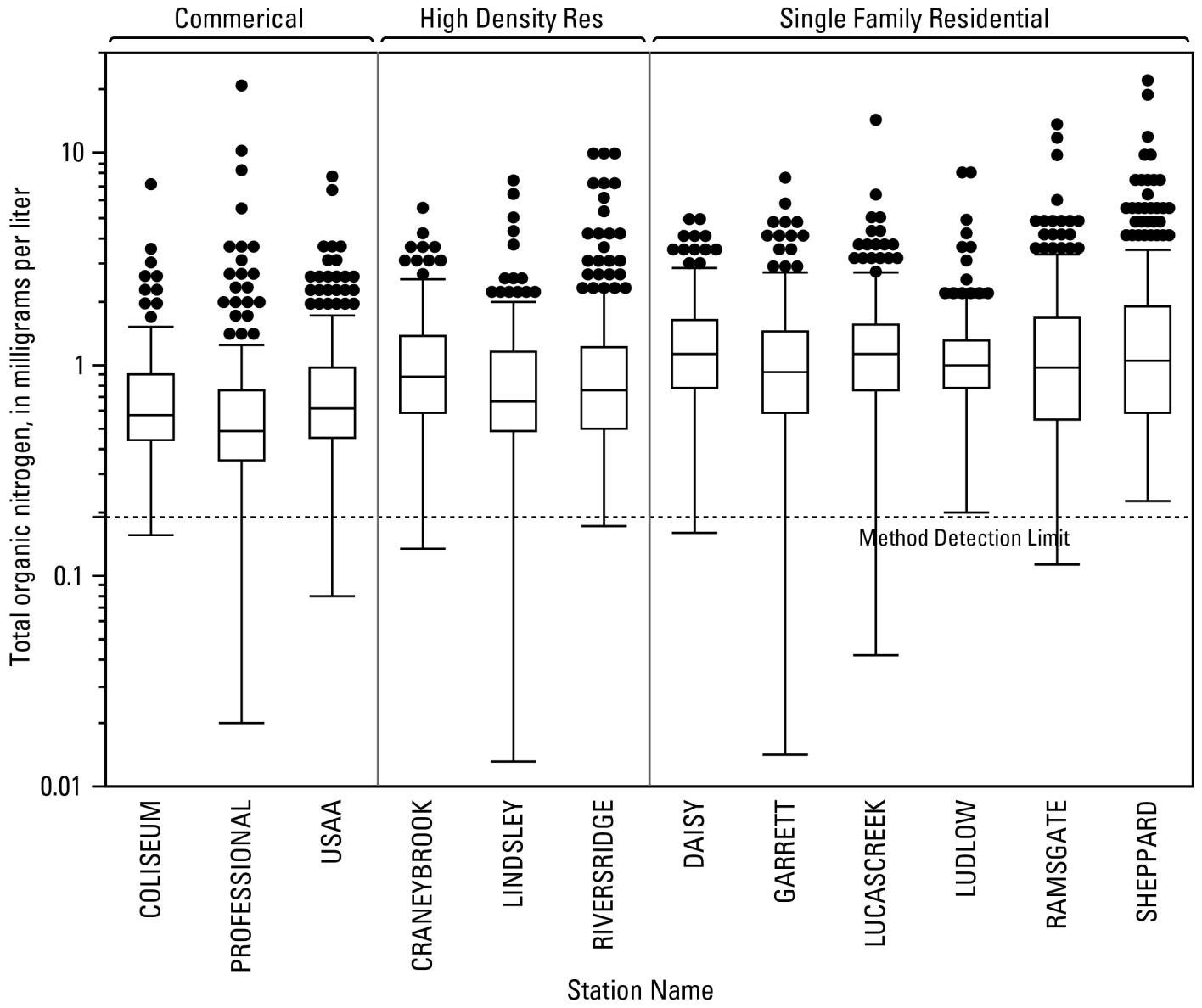
Total organic nitrogen



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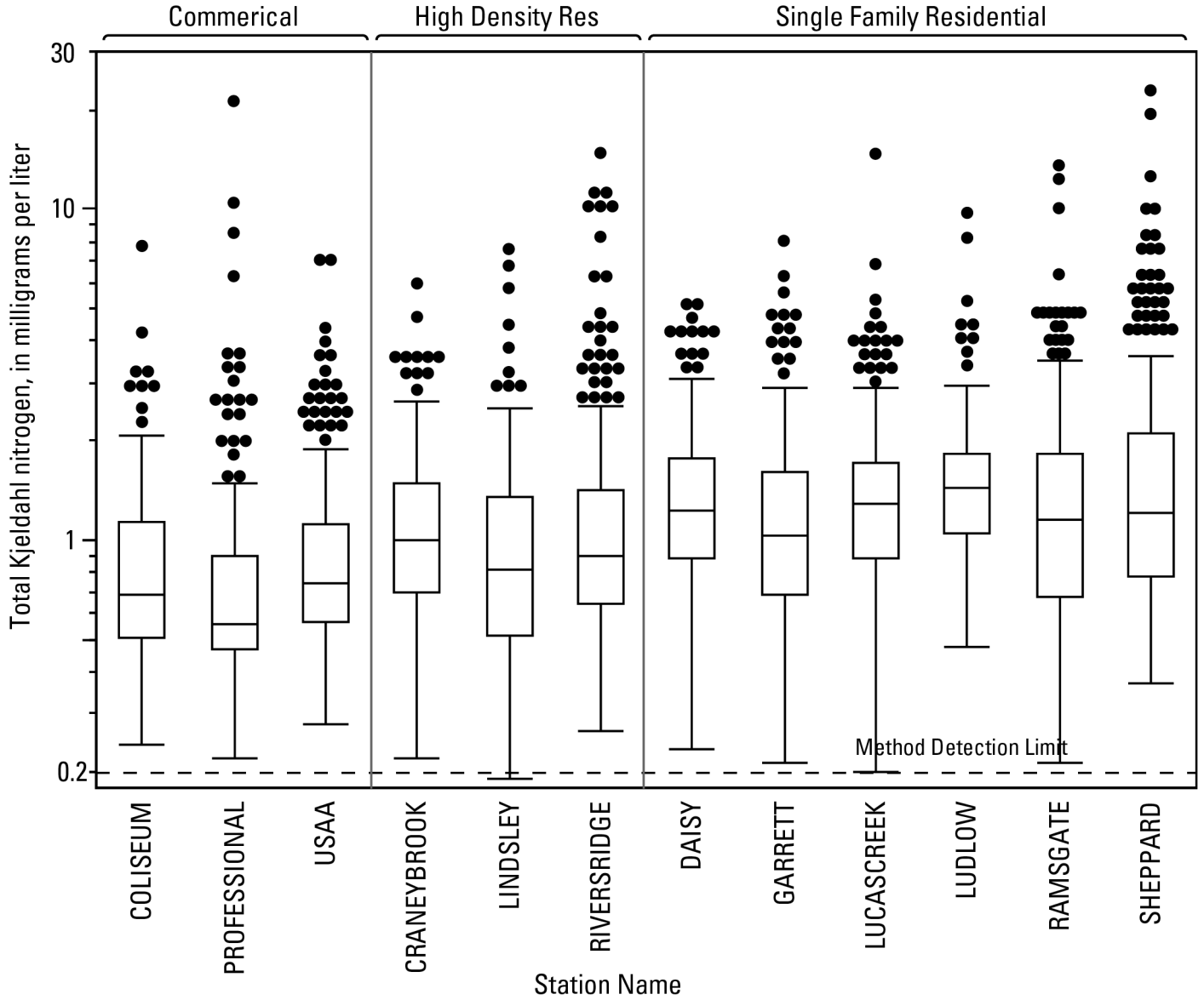
Total Kjeldahl nitrogen



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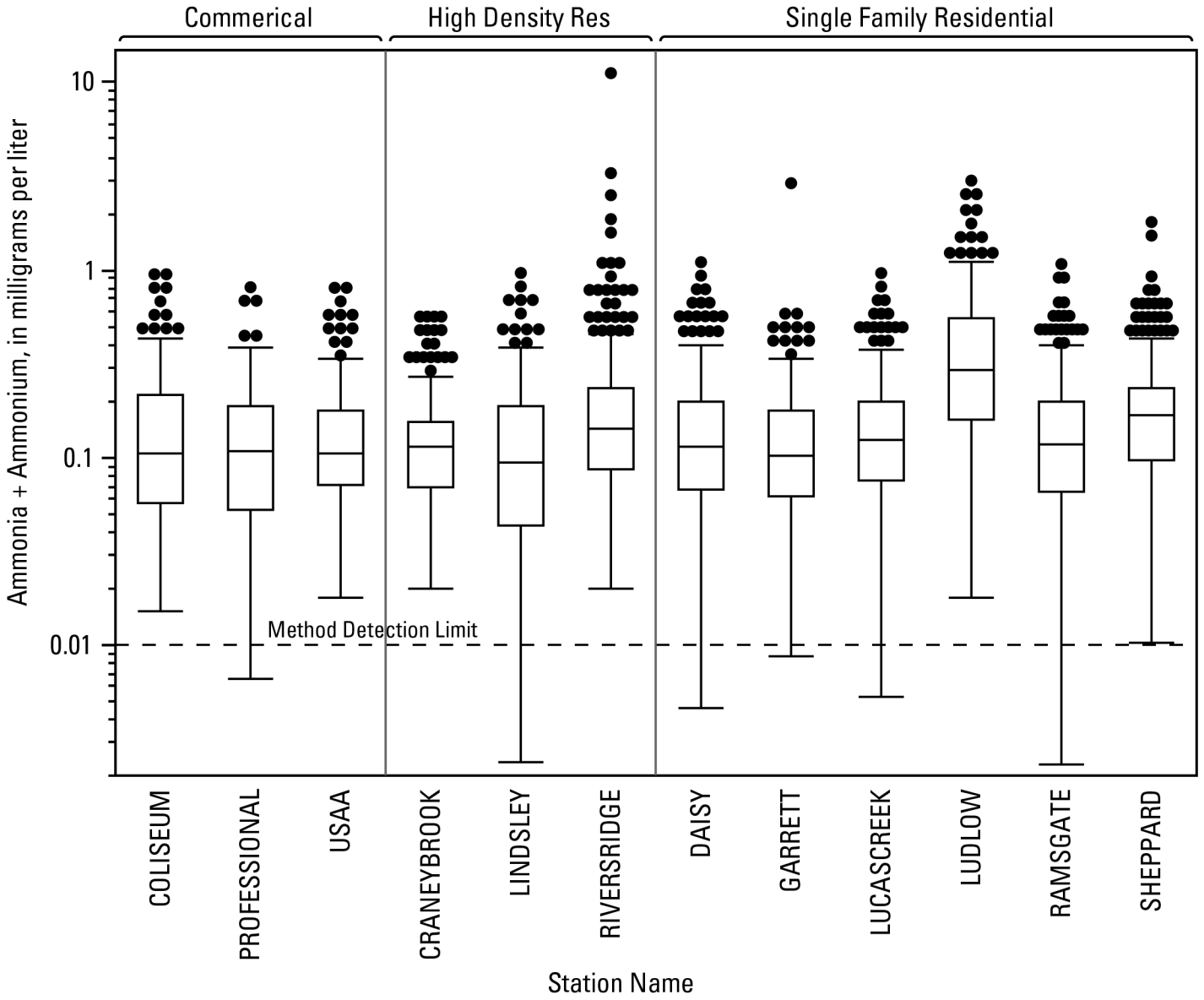
Ammonia plus ammonium



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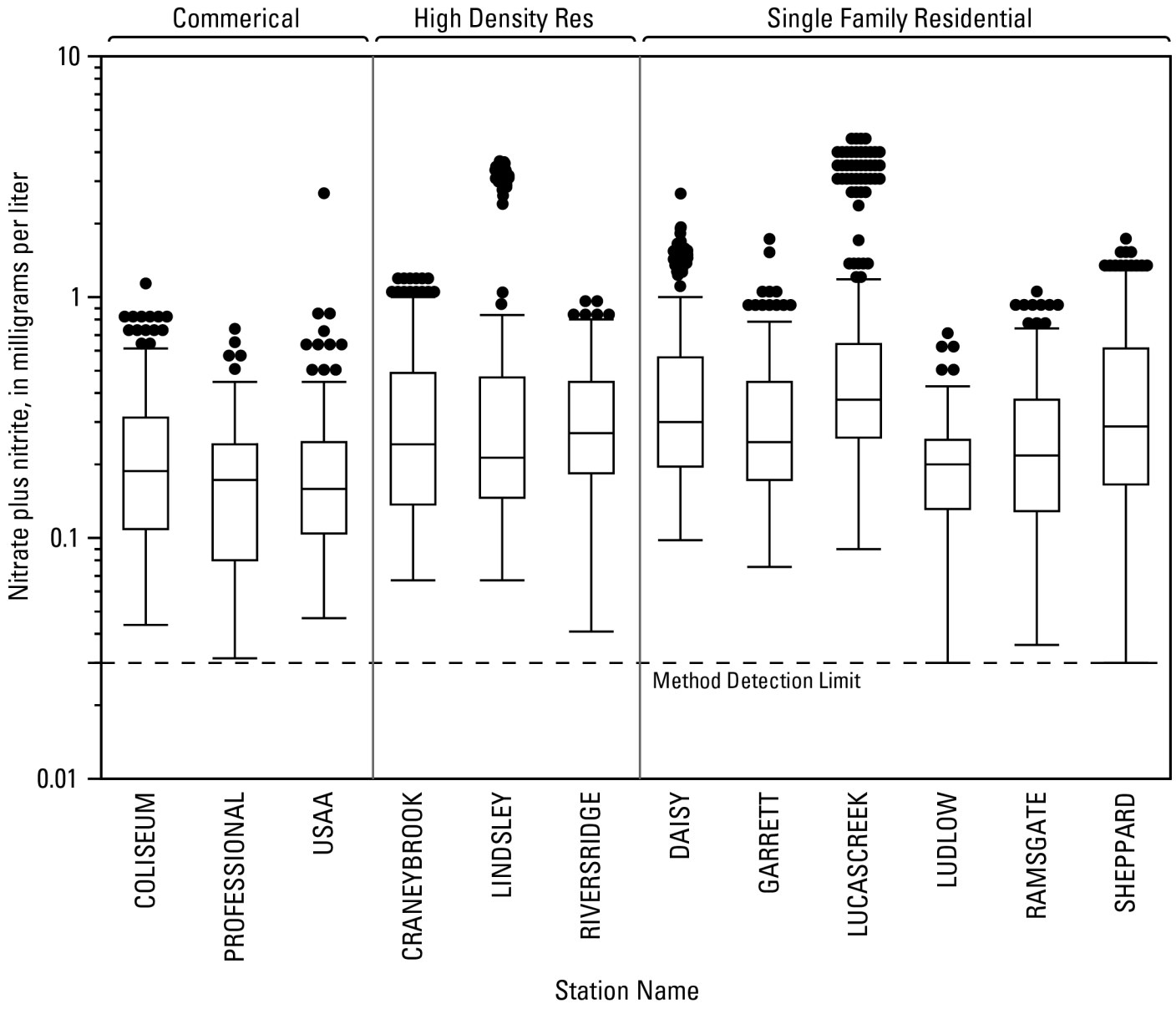
Nitrate plus nitrite



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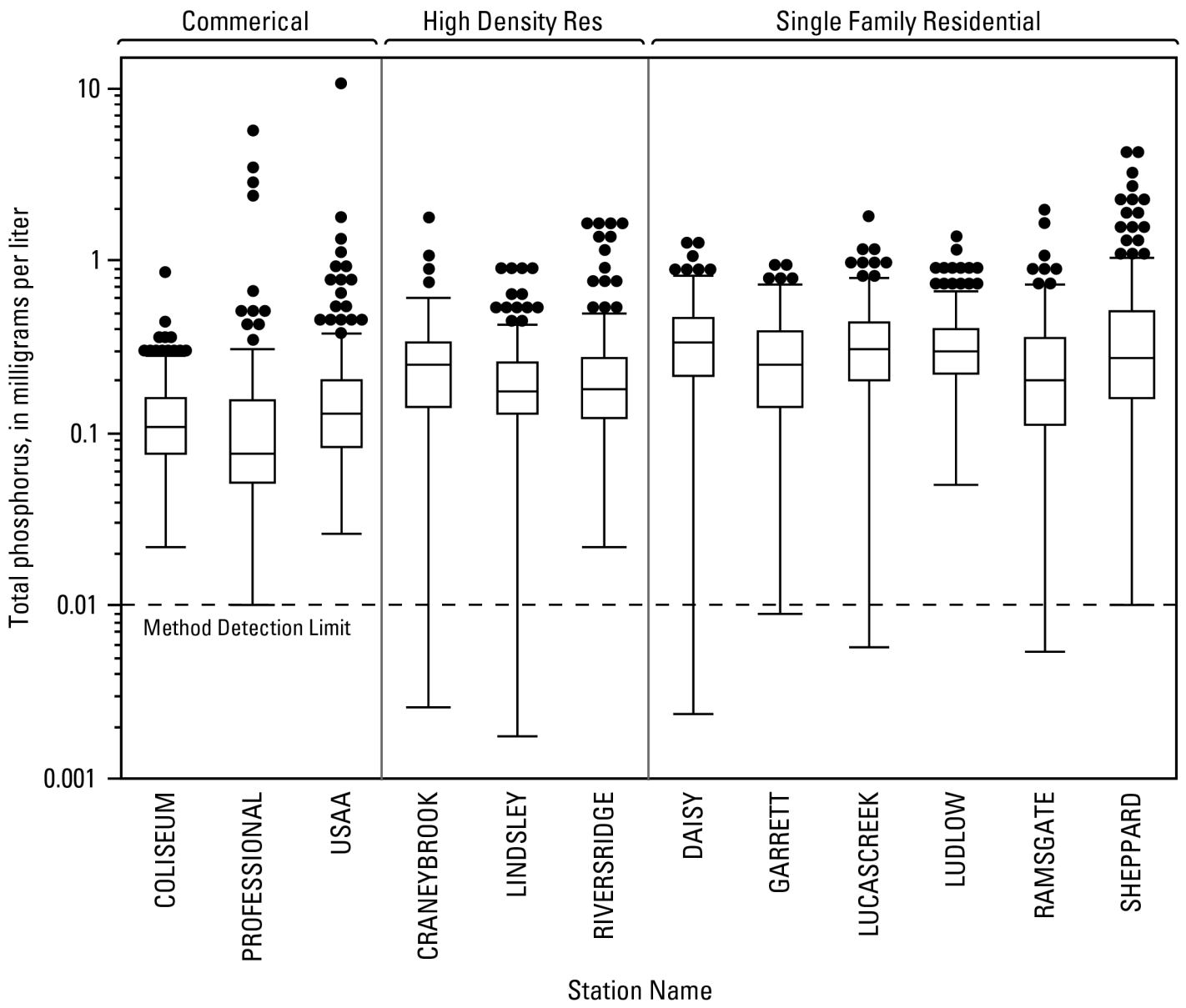
Total Phosphorus



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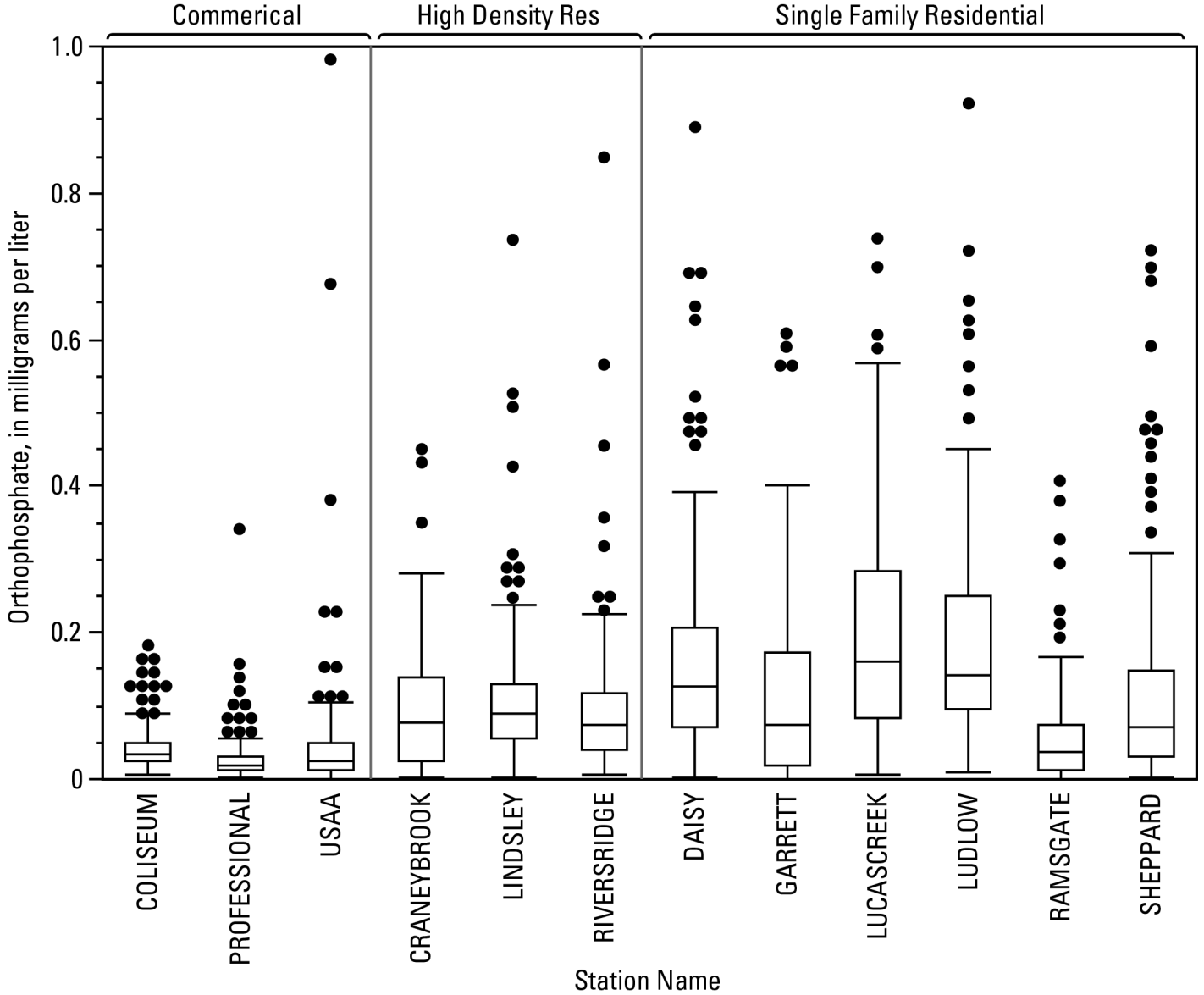
Orthophosphate



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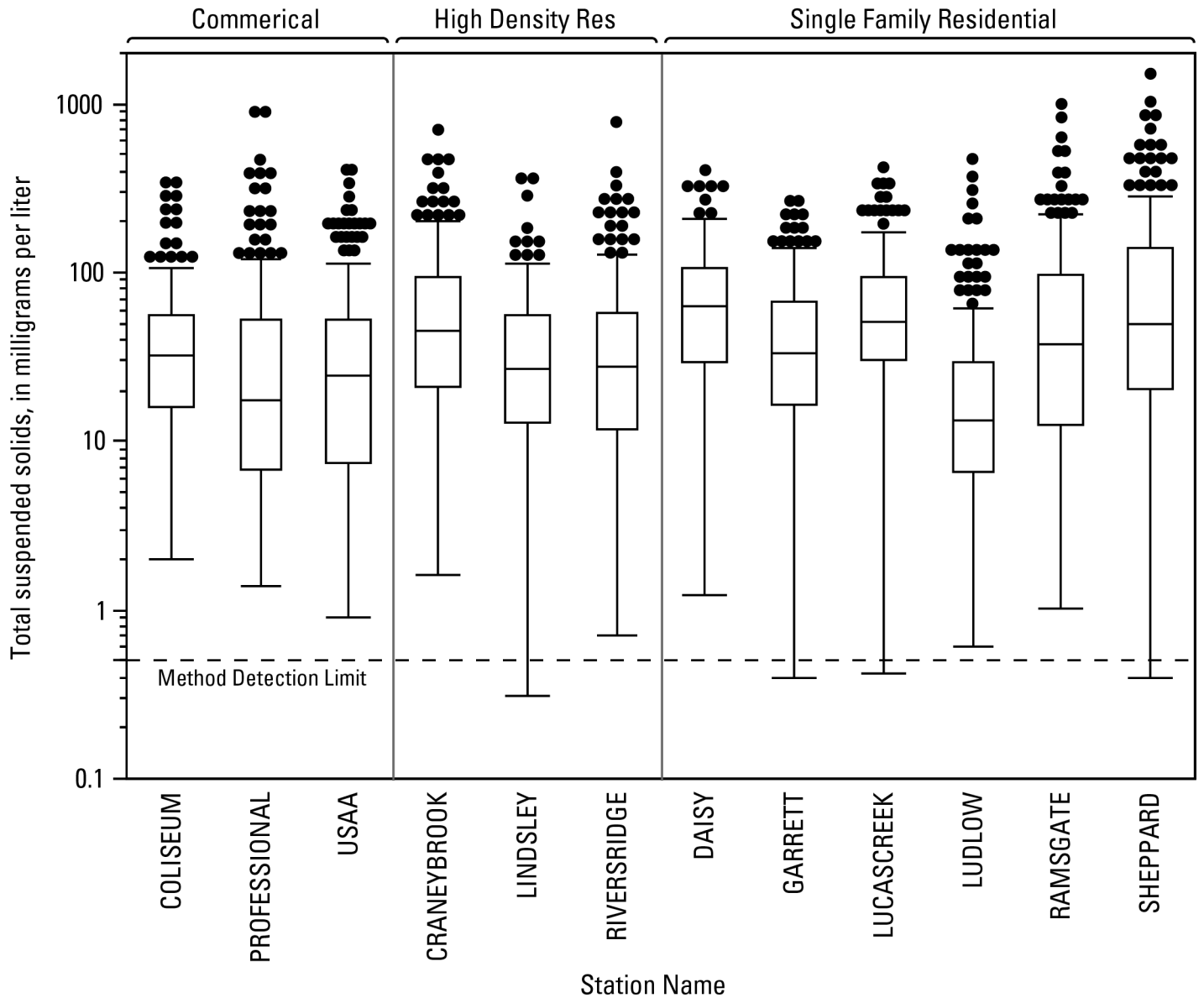
Total suspended solids



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Final Report-Norfolk Street Sweeping Monitoring Study

Date: December 22, 2020

To: Norfolk Department of Public Works
Environmental Stormwater Management
2233 McKann Avenue
Norfolk, VA 23509

From: Whitman, Requardt & Associates, LLP

Subject: Year 3 Street Sweeping Sample Data Summary

Work Order Number: 19515.006

Contract Number: 27566

Project: Norfolk WO.6 Street Sweeping Sampling – Year 3 Data Analysis

BACKGROUND

The City of Norfolk is required by the terms of Municipal Separate Storm Sewer System (MS4) Permit No. VA0088650 issued by the Virginia Department of Environmental Quality (DEQ) to develop and implement a street sweeping monitoring program to evaluate pollutant reductions attributable to the sweeping program. Whitman, Requardt & Associates, LLP was retained by the City of Norfolk to compile and summarize the data collected during the multi-year sampling program for inclusion in the City's Annual Report to the Virginia DEQ**.** WRA has compiled and summarized the data collected and reported for the entire sampling period ending with samples collected in Q2 2020.

A summary of the sampling program and findings keyed to previously developed monitoring program objectives is summarized on the following pages.

PERMIT REQUIREMENTS

This Memorandum summarizes the results of a multi-year effort to collect and analyze street sweeping sampling data in fulfillment of the requirements of Part I.C.2, Street Sweeping Program Monitoring, of VSMP MS4 Permit No. VA0088650 having an effective date of July 1, 2016. Specific permit requirements include collecting and analyzing street sweeping material for total nitrogen (TN) and total phosphorus (TP) concentrations from at least three (3) sites within the City of Norfolk to determine the efficiency of both mechanical broom sweepers and regenerative air vacuum sweepers. Monitoring is required to be performed a minimum of once per quarter between January 1 and December 31.

MONITORING PROGRAM OBJECTIVES

The objectives of the street sweeping monitoring program were formalized in a monitoring plan guiding the work. The selected objectives, consistent with the terms of the MS4 permit, include:

- Objective 1: Collect data from both regenerative air vacuum sweepers and mechanical broom sweepers to permit comparisons between sweepers and against previous expert panel findings;
- Objective 2: Collect data to enable assessment of the efficiency of operational practices such as performing a single pass with a mechanical broom sweeper followed by a second pass of either a mechanical broom sweeper or a regenerative air vacuum sweeper; and,

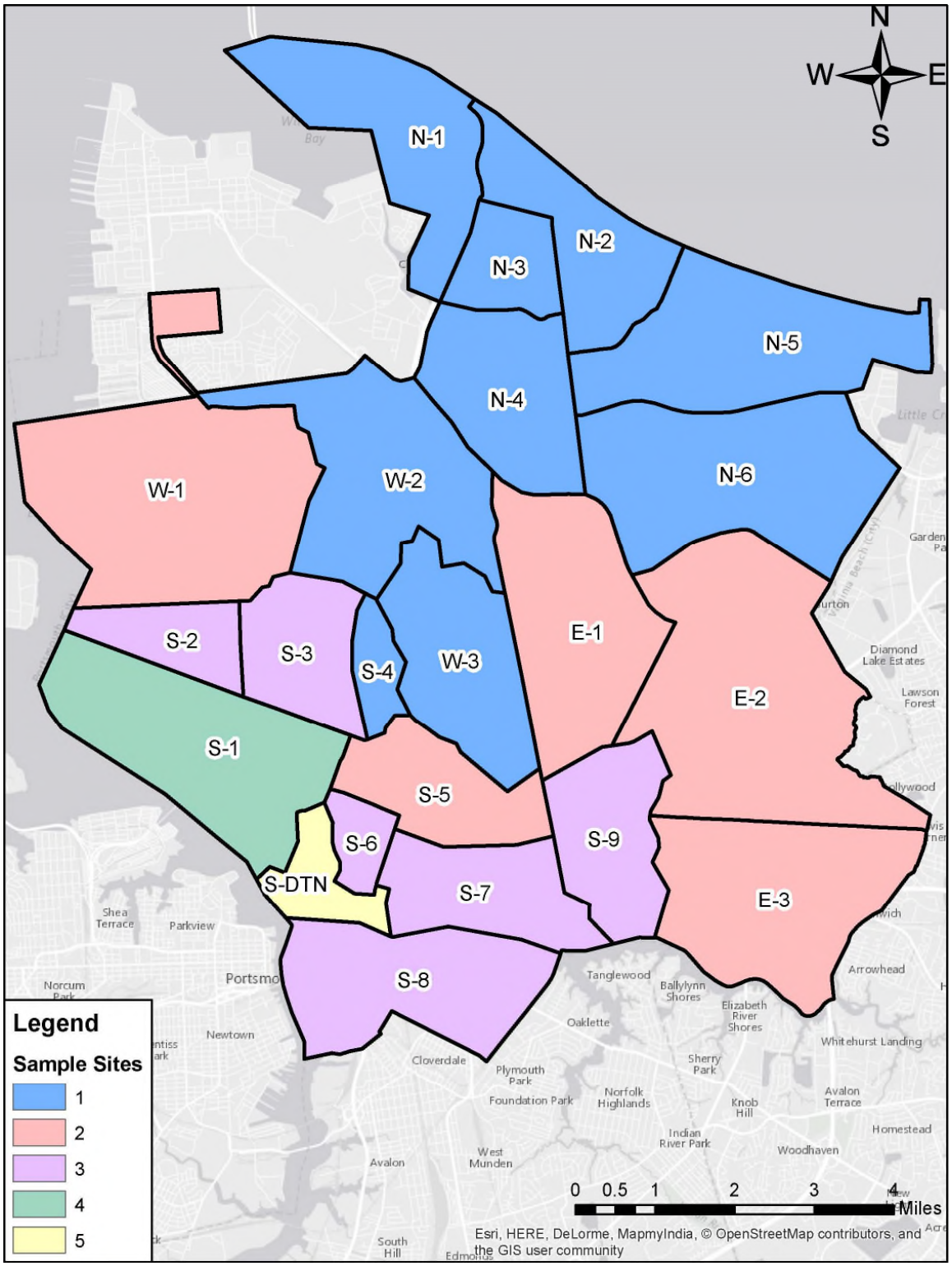
- Objective 3: Collect data to assess material on the street prior to sweeping and material remaining on the street following sweeping operations.

MONITORING SITE SELECTION

The definition of a site as applied to the street sweeping monitoring program was not defined within VSMP MS4 Permit No. VA0088650. For the purpose of the street sweeping monitoring program, a “site” was deemed to be a geographical area sharing common characteristics of land use and impervious cover. The primary advantages of treating an area as a site include: (1) the fusion of the sampling results tends to smooth out any irregularities associated with sampling small areas; (2) the practicality of obtaining a sample from a “site” is less impacted by poor weather or on-street parking on any given day; and (3) the results are more broadly applicable to a larger area with a commensurate reduction in data tracking for permit compliance.

Figure 1 illustrates the five (5) selected sampling sites along with the street sweeping zones comprising each site.

Figure 1. Street Sweeping Zones and Monitoring Sites



MONITORING OBJECTIVE 1 RESULTS:

Objective 1 of the monitoring program was to collect data from both regenerative air vacuum sweepers and mechanical broom sweepers to permit comparisons between sweepers and against previous expert panel findings. To meet this objective, both regenerative air vacuum sweepers and mechanical broom sweepers were used on the same day within the applicable sweeping zone. Multiple grab samples of sweeper waste from both pieces of equipment were appropriately composited and sent for laboratory analysis. Samples were analyzed for TP, TKN, and Nitrate. Samples were sieved prior to analyses and all analyses were performed on each sieved fraction.

This objective was met through eight (8) separate sampling events as described in the monitoring plan. To meet this objective, sweeper waste samples were collected from both broom and vacuum sweepers as follows:

- Site 1 (Q4 – 2017, Sweeping Zone N-2);
- Site 1 (Q2 – 2018, Sweeping Zone N-5);
- Site 2 (Q1 – 2018, Sweeping Zone E-3);
- Site 2 (Q3 – 2019, Sweeping Zone S-5);
- Site 3 (Q3 – 2018, Sweeping Zone S-9);
- Site 3 (Q4 – 2018, Sweeping Zones S-2/S-3);
- Site 4 (Q2 – 2019, Sweeping Zone S-1); and,
- Site 4 (Q1 – 2020, Sweeping Zone S-1).

A summary of the data associated with monitoring objective 1 is provided in ***Table 1.***

Sample data were compared using paired t-tests to investigate potential differences in the population means of the broom and vacuum sweeper waste samples. Tests were performed on grain size fractions and on both TN and TP concentrations for each grain size fraction. There was insufficient analytical TP and TN data to permit analysis of similarities/differences between sweeper types for the fine-grained fraction. A significance level of p=0.05 was used for all analyses under the null hypothesis that the sample means are drawn from the same population.

A summary of the test results is provided in ***Table 2.***

In analyzing the results of t-tests, the calculated P-value is compared to the significance level (p=0.05). If the P-value exceeds the significance level, we accept the null hypothesis, i.e., there is no difference in the population means. Conversely, when the P-value is less than the significance level we reject the null hypothesis and conclude that there is a difference in the population means. Based on the information provided in ***Table 2***, we can state the following with 95% confidence:

- there are no differences in the mean percentages of the fine-, medium-, and coarse-grained fractions of the vacuum and broom sweeper wastes;
- there is no difference in the mean TN concentrations in the medium- and coarse-grained fractions of the vacuum and broom sweeper wastes;
- there is no difference in the mean TP concentrations in the medium- and coarse-grained fractions of the vacuum and broom sweeper wastes;
- for the vacuum sweepers, there is no difference in the mean TN and TP concentrations in the medium- and coarse-grained soil fractions;
- for the broom sweepers, there is no difference in the mean TN concentrations in the medium- and coarse-grained soil fractions; and,

- for the broom sweepers, the TP concentration of the coarse-grained soil fraction is greater than that of the medium-grained soil fraction.

The mass of dirt collected per unit area was not measured during the sampling program. Therefore, it is unknown if the vacuum sweepers are more "efficient" than the broom sweepers or vice versa. However, based on the street dirt present on Norfolk streets, the above results suggest that the material collected by the broom sweepers possesses the same characteristic grain sizes and pollutants concentrations as the material collected from the vacuum sweepers.

Table 1. Monitoring Objective 1 – Data Summary

Year	Quarter	Site	Sweeping Zone	Vacuum SW Sample ID	Broom SW Sample ID		Fine		Medium		Coarse	
							Vacuum	Broom	Vacuum	Broom	Vacuum	Broom
2017	Q4	1	N-2	17-Q4-N2-V-SW	17-Q4-N2-B-SW	Sieve Fraction (%)	8.5	27.1	69.4	52.5	22.1	20.4
						TN (mg/kg)	4,200	3,670	3,190	1,850	1,100	2,860
						TP (mg/kg)	859	800	244	313	526	705
2018	Q1	2	E-3	18-Q1-E3-V-SW	18-Q1-E3-B-SW	Sieve Fraction (%)	13.6	2.1	29.0	24.0	57.4	73.9
						TN (mg/kg)			1,513	3,290	1,853	5,502
						TP (mg/kg)			200	300	200	700
2018	Q2	1	N-5	18-Q2-N5-V-SW	18-Q2-N5-B-SW	Sieve Fraction (%)	1.5	6.3	90.0	33.1	8.5	60.6
						TN (mg/kg)	118,165		3,377	2,495	2,820	2,830
						TP (mg/kg)	31,200		354	336	544	541
2018	Q3	3	S-9	18-Q3-S9-V-SW	18-Q3-S9-B-SW	Sieve Fraction (%)	0.4	4.8	82.5	67.5	17.1	27.7
						TN (mg/kg)			2,890	1,280	4,500	3,770
						TP (mg/kg)			359	234	361	378
2018	Q4	3	S-2/S-3	18-Q4-S23-V-SW	18-Q4-S23-B-SW	Sieve Fraction (%)	1.1	5.4	68.8	69.9	30.1	24.7
						TN (mg/kg)			5,921	1,710	6,820	801
						TP (mg/kg)			481	380	457	436
2019	Q2	4	S-1	19-Q2-S1-V-SW	19-Q2-S1-B-SW	Sieve Fraction (%)	1.5	2.2	46.4	65.8	52.1	32.0
						TN (mg/kg)			4,795	8,451	16,500	4,912
						TP (mg/kg)			487	613	1,330	702
2019	Q3	2	S-5	19-Q3-S5-V-SW	19-Q3-S5-B-SW	Sieve Fraction (%)	1.7	1.8	78.5	68.4	19.8	29.8
						TN (mg/kg)		2,880	396	651	5,170	2,200
						TP (mg/kg)		1,210	74	318	671	511
2020	Q1	4	S-1	20-Q1-S1-V-SW	20-Q1-S1-B-SW	Sieve Fraction (%)	0.7	4.5	83.6	11.8	15.7	83.7
						TN (mg/kg)			4,220	3,180	7,300	13,400
						TP (mg/kg)			660	509	621	1,330

Table 2. Monitoring Objective 1 - Statistical Test Results

Parameter	Grain Size Fraction		Mean Values		P Value
			Vacuum	Broom	
Sieve (%)	Fine		3.6	6.8	0.315
	Medium		68.5	49.1	0.112
	Coarse		27.8	44.1	0.165
TN (mg/kg)	Fine				
	Medium		3,288	2,863	0.627
	Coarse		5,758	4,534	0.558
	Medium	Vacuum	3,288		0.147
	Coarse	Vacuum	5,758		
	Medium	Broom	2,863		0.272
	Coarse	Broom	4,534		
TP (mg/kg)	Fine		357	375	0.726
	Medium		589	662	0.623
	Coarse				
	Medium	Vacuum	357		0.272
	Coarse	Vacuum	588		
	Medium	Broom	375		**0.014**
	Coarse	Broom	662		

MONITORING OBJECTIVE 2 RESULTS

Objective 2 of the monitoring program was to collect data to enable assessment of the efficiency of operational practices such as performing a single pass with a broom sweeper followed by a second pass by either a mechanical broom sweeper or a regenerative air vacuum sweeper. Practicality dictated that mechanical broom sweepers were used for the second pass of each sampling event as the equipment was already available and on site. This monitoring objective was met through four (4) separate sampling events, one each at:

- Site 1 (Q1 – 2019, Sweeping Zone W-2);
- Site 2 (Q3 – 2018, Sweeping Zone W-1);
- Site 3 (Q2 – 2020, Sweeping Zone S-6); and,
- Site 4 (Q4 – 2018, Sweeping Zone S-1).

To meet the monitoring objective, samples were collected from the sweepers performing only a single pass on selected streets and sweepers performing two passes on selected streets. Multiple grab samples from both pieces of equipment were composited and sent for laboratory analysis. Samples were analyzed for TP, TKN, and Nitrate. Samples were sieved prior to analyses and all analyses were performed on each sieved fraction.

A summary of the data associated with monitoring objective 2 is provided in ***Table 3.***

Table 3. Monitoring Objective 2 – Data Summary

Year	Quarter	Site	Sweeping Zone	Pass 1 SW Sample ID	Pass 2 SW Sample ID		Fine		Medium		Coarse	
							Pass 1	Pass 2	Pass 1	Pass 2	Pass 1	Pass 2
2018	Q3	2	W-1	18-Q3-W1-B-SW-1P	18-Q3-W1-B-SW-2P	Sieve Fraction (%)	11.8	8.9	74.8	82.4	13.4	8.7
						TN (mg/kg)			2,820	3,310	3,790	4,750
						TP (mg/kg)			236	378	429	416
2018	Q4	4	S-1	18-Q4-S1-B-SW-1P	18-Q4-S1-B-SW-2P	Sieve Fraction (%)	0.8	0.6	47.5	44.3	51.7	55.1
						TN (mg/kg)			3,844	1,692	5,900	8,817
						TP (mg/kg)			395	258	386	227
2019	Q1	1	W-2	19-Q1-W2-B-SW-1P	19-Q1-W2-B-SW-2P	Sieve Fraction (%)	6.4	6.2	36.5	23.8	57.1	70.0
						TN (mg/kg)			1,910	2,630	1,710	2,810
						TP (mg/kg)			132	321	254	328
2020	Q2	3	S-6	20-Q2-S6-B-SW-1P	20-Q2-S6-B-SW-2P	Sieve Fraction (%)	8.4	1.4	26.3	39.3	65.3	59.3
						TP (mg/kg)			53	395	254	361
						TN (mg/kg)			443	1,210	855	1,530

Sample data were compared using t-tests to investigate potential differences in the population means of the broom sweeper waste samples collected after the first and second passes of the sweeper. Tests were performed on grain size fractions and on both TN and TP concentrations for each grain size fraction. There was insufficient analytical TP and TN data to permit analysis of similarities/differences for the fine-grained fraction. A significance level of p=0.05 was used for all analyses under the null hypothesis that the sample means are drawn from the same population.

A summary of the results is provided in ***Table 4.***

As before, if the P-value exceeds the significance level (p=0.05), we accept the null hypothesis, i.e., there is no difference in the population means. Conversely, when the P-value is less than the significance level we reject the null hypothesis and conclude that there is a difference in the population means. Based on the information provided in ***Table 4***, we can state the following with 95% confidence:

- there are no differences in the mean percentages of the fine-, medium-, and coarse-grained fractions of the broom sweeper wastes after one and two sweeper passes;
- there is no difference in the mean TN concentrations in the medium- and coarse-grained fractions of the broom sweeper waste after one and two sweeper passes; and,
- there is no difference in the mean TP concentrations in the medium- and coarse-grained fractions of the broom sweeper waste after one and two sweeper passes.

The above results suggest that while additional street dirt is being collected during the second pass of sweeping by the broom sweeper, the material possesses the same characteristic grain sizes and pollutants concentrations as the material collected following one pass of the sweeper.

Table 4. Monitoring Objective 2 - Statistical Test Results

Parameter	Grain Size Fraction	Mean Values		P Value
		Pass 1	Pass 2	
Sieve (%)	Fine	6.9	4.3	0.208
	Medium	46.3	47.4	0.850
	Coarse	46.8	48.3	0.769
TN (mg/kg)	Fine			
	Medium	2,254	2,210	0.954
	Coarse	3,064	4,476	0.069
TP (mg/kg)	Fine			
	Medium	204	388	0.272
	Coarse	331	333	0.972

MONITORING OBJECTIVE 3 RESULTS

Objective 3 of the monitoring plan was to collect data to assess material on the street prior to sweeping and material remaining on the street following sweeping operations. This objective was met through the same eight (8) sampling events listed in "Monitoring Objective 1 Results", above.

Both regenerative air vacuum sweepers and mechanical broom sweepers were used on the same day within the applicable sweeping zone. Street dirt samples were collected both before and after sweeping operations. Samples were collected using an industrial vacuum cleaner (Shop-Vac TM) capable of moving a minimum of 100 cubic feet per minute of air with a minimum of 90 inches of sealed suction pressure.

Street dirt samples were collected by vacuuming from the curb to the crown of the street until sufficient volume was obtained to fill a 2-gallon plastic freezer bag. Samples were subsequently sieved into fine-, medium-, and coarse-grained fractions.

Monitoring Objective 3 was met through the following eight (8) sampling events:

- Site 1 (Q4 – 2017, Sweeping Zone N-2);
- Site 1 (Q2 – 2018, Sweeping Zone N-5);
- Site 2 (Q1 – 2018, Sweeping Zone E-3);
- Site 2 (Q3 – 2019, Sweeping Zone S-5);
- Site 3 (Q3 – 2018, Sweeping Zone S-9);
- Site 3 (Q4 – 2018, Sweeping Zones S-2/S-3);
- Site 4 (Q2 – 2019, Sweeping Zone S-1).
- Site 4 (Q1 – 2020, Sweeping Zone S-1).

A summary of the data associated with changes in the distribution of grain sizes on the street, both before and after sweeping operations is provided in ***Table 5.***

As with the other monitoring objectives, samples were compared using t-tests to investigate potential differences in the population means of the street dirt both prior to and following sweeping with both vacuum and broom sweepers. Tests were performed on each grain size fraction. A significance level of p=0.05 was used for all analyses under the null hypothesis that the sample means are drawn from the same population.

A summary of the results is provided in ***Table 6.***

As before, if the P-value exceeds the significance level (p=0.05), we accept the null hypothesis, i.e., there is no difference in the population means. Conversely, when the P-value is less than the significance level we reject the null hypothesis and conclude that there is a difference in the population means. Based on the information provided in ***Table 6***, we can state the following with 95% confidence:

- there are no differences in the mean percentages of the fine-, medium-, and coarse-grained fractions of the street dirt prior to and following sweeping operations by broom sweepers;
- there is no difference in the mean percentages of the fine-, medium-, and coarse-grained fractions of the street dirt prior to and following sweeping operations by vacuum sweepers; and,
- there are no differences in the mean percentages following sweeping operations of the broom and vacuum sweepers for the fine-, medium-, and coarse-grained fractions of the street dirt.

While it may be particular to the street dirt present in the city of Norfolk, the sampling and analysis program results suggest that there is no difference between the street dirt grain size composition remaining on the street following sweeping operations for either broom or vacuum sweepers. Further, it appears that both types of sweepers remove street dirt soil grain size fractions consistent with those present on the street prior to sweeping.

Table 5. Monitoring Objective 3 – Data Summary – Grain Size Distribution

Year	Quarter	Site No.	Sweeping Zone	Parameter	Fine			Medium			Coarse		
					Before	After - Vacuum	After - Broom	Before	After - Vacuum	After - Broom	Before	After - Vacuum	After - Broom
2017	Q4	1	N-2	Sieve (%)	9.8		15.4	86.1		71.6	4.1		13.0
2017	Q4	1	N-2	Sieve (%)	23.3	26.9		55.2	48.3		21.5	24.8	
2018	Q1	2	E-3	Sieve (%)	15.0		20.3	81.3		79.5	3.7		0.2
2018	Q1	2	E-3	Sieve (%)	15.3	32.2		73.3	67.1		11.4	0.7	
2018	Q2	1	N-5	Sieve (%)	12.0		4.5	80.0		87.5	8.0		8.0
2018	Q2	1	N-5	Sieve (%)	13.6	0.0		84.7	88.1		1.7	11.9	
2018	Q3	3	S-9	Sieve (%)	7.3		9.3	87.3		87.2	5.4		3.5
2018	Q3	3	S-9	Sieve (%)	4.9	0.3		90.4	94.5		4.7	5.2	
2018	Q4	3	S-2/S-3	Sieve (%)	22.2		4.2	73.9		91.7	3.9		4.1
2018	Q4	3	S-2/S-3	Sieve (%)	21.7	16.8		73.6	74.6		4.7	8.6	
2019	Q2	4	S-1	Sieve (%)	6.0		6.6	87.5		84.5	6.5		8.9
2019	Q2	4	S-1	Sieve (%)	11.5	7.0		82.7	88.2		5.8	4.8	
2019	Q3	2	S-5	Sieve (%)	5.0		7.7	74.7		90.1	20.3		2.2
2019	Q3	2	S-5	Sieve (%)	3.7	10.8		92.8	80.1		3.5	9.1	
2020	Q1	4	S-1	Sieve (%)	5.6		8.3	38.8		90.0	55.6		1.7
2020	Q1	4	S-1	Sieve (%)	6.2	5.7		81.2	50.1		12.6	44.2	

Table 6. Monitoring Objective 3 - Statistical Test Results – Grain Size Distribution

Grain Size Fraction	Mean Values			P Value
	Before Sweeeping	Vacuum - After	Broom - After	
Fine	12.5	12.5		0.985
Medium	79.2	73.9		0.254
Coarse	8.2	13.7		0.249
Fine	10.4		9.5	0.780
Medium	76.2		85.3	0.241
Coarse	13.4		5.2	0.281
Fine		12.5	9.5	0.544
Medium		73.9	85.3	0.120
Coarse		13.7	5.2	0.147

ADDITIONAL FINDINGS:

Additional analysis of street dirt monitoring data was performed to determine if there are spatial or seasonal differences (trends) which can provide further insight to the street sweeping program. In particular, investigations into differences of grain size distributions and TN and TP concentrations with each grain size fraction were evaluated. These evaluations were performed across all sites and seasons.

A summary of the data associated with spatial and seasonal variations of street dirt grain sizes is provided in ***Table 7***, while variations in TN and TP concentrations within each grain size fraction are provided in ***Table 8*** and ***Table 9***, respectively.

Based on the information provided in ***Table 7***, we can state the following with 95% confidence:

- across all sites and seasons, the mean value of the percentage of the medium-grained size of street dirt is greater than the mean values for both the fine and coarse-grained fractions; and,

- with one exception, across all sites and seasons, there is no difference in the mean value of the percentages of the fine- and coarse-grained sizes of street dirt. The exception being that the fine-grained fraction mean of 10.8% exceeds the coarse-grained fraction mean of 5.5% for Q2.

Based on the information provided in ***Table 8***, we can state the following with 95% confidence:

- with one exception, across all sites and seasons, there is no difference in the mean value of the TN concentrations for the fine-, medium, and coarse-grained soil fractions. The exception being that for Site 2, the coarse-grained fraction TN mean concentration of 8,103 mg/kg exceeds both the fine- and medium-grained fraction means of 3,465 and 2645 mg/kg, respectively.

Based on the information provided in ***Table98***, we can state the following with 95% confidence:

- across all sites and seasons, there is no difference in the mean value of the TP concentrations for the fine- and coarse-grained soil fractions; and,

- in Q3 and Q4, and at Sites 2 and 3, the TP concentration in the fine-grained soil fraction exceeds the mean TP value in the medium-grained fraction.

A common premise is that fine-grained soils must be removed during street sweeping operations for effective pollutant removal. However, as demonstrated above the medium-grained soil fraction of Norfolk street dirt exceeds the fine-and-coarse-grained percentages across all sites and seasons – typically by a factor of 6 to 10.

It is noteworthy that TN concentrations in the street dirt fractions are nearly universally consistent across all sites and seasons. The ramifications of this are that TN removal is driven by the mass of dirt removed and not by any particular size fraction.

TP concentrations in fine-grained soils exceed TP concentrations in medium-grained soils above half of the time, but only by a factor of 2 to 3. There is no difference in TP concentrations between fine- and coarse-grained dirt. These results, coupled with the findings from Table 6, suggest that effective TP removal is not dominated by the removal of any particular size fraction but by consistent removal across all size fractions

Table 7. Street Dirt - Statistical Test Results – Grain Size Distribution

	Sieve Fraction (%)			
	Fine	Medium	Coarse	P value
Q1	10.5	68.6		**0.012**
	10.5		20.8	0.456
		68.6	20.8	**0.022**
Q2	10.8	83.7		**>>0.001**
	10.8		5.5	**0.048**
		83.7	5.5	**>>0.001**
Q3	5.2	86.3		**>>0.001**
	5.2		8.5	0.479
		86.3	8.5	**>>0.001**
Q4	19.2	72.2		**0.002**
	19.2		8.6	0.093
		72.2	8.6	**>>0.001**
Site 1	14.7	76.5		**0.001**
	14.7		8.8	0.322
		76.5	8.8	**>>0.001**
Site 2	9.8	80.5		**>>0.001**
	9.8		9.7	0.996
		80.5	9.7	**>>0.001**
Site 3	14.0	81.3		**>>0.001**
	14.0		4.7	0.136
		81.3	4.7	**>>0.001**
Site 4	7.3	72.6		**0.011**
	7.3		20.1	0.364
		72.6	20.1	**0.019**

Table 8. Street Dirt - Statistical Test Results – TN Concentrations

	TN (mg/kg)			
	Fine	Medium	Coarse	P value
Q1	4,920	3,225		0.055
	4,920		5,878	0.308
		3,225	5,878	0.055
Q2	4,733	6,288		0.534
	4,733		11,764	0.184
		6,288	11,764	0.268
Q3	2,911	2,425		0.579
	2,911		6,358	0.184
		2,425	6,358	0.134
Q4	5,072	4,144		0.688
	5,072		3,814	0.514
		4,144	3,814	0.844
Site 1	3,894	4,983		0.626
	3,894		13,044	0.202
		4,983	13,044	0.249
Site 2	3,465	2,645		0.462
	3,465		8,103	**0.018**
		2,645	8,103	**0.013**
Site 3	4,977	4,448		0.703
	4,977		3,198	0.208
		4,448	3,198	0.275
Site 4	4,834	4,215		0.846
	4,834		5,776	0.774
		4,215	5,776	0.573

Table 9. Street Dirt - Statistical Test Results – TP Concentrations

	TP (mg/kg)			
	Fine	Medium	Coarse	P value
Q1	850	404		0.163
	850		537	0.278
		404	537	0.143
Q2	890	728		0.698
	890		1,051	0.823
		728	1,051	0.643
Q3	854	428		**0.040**
	854		868	0.971
		428	868	0.288
Q4	926	349		**0.031**
	926		708	0.340
		349	708	0.119
Site 1	838	545		0.236
	838		1,145	0.638
		545	1,145	0.382
Site 2	822	310		**0.011**
	822		953	0.705
		310	953	0.124
Site 3	860	438		**0.048**
	860		530	0.226
		438	530	0.705
Site 4	1,050	666		0.502
	1,050		536	0.388
		666	536	0.620

Cumulative Progress Towards Compliance Targets Through June 2022

James River Basin

Description	Pollutant of Concern (POC) (lb/yr)		
	TN	TP	TSS
Required POC Reductions:			
Baseline Requirement	540.00	144.60	68195.00
Additional 15% Requirement	81.00	21.70	10229.00
Total Reduction Requirement	**621.00**	**166.30**	**78,424.00**
Reduction Credits:			
BMPs Installed on Unregulated Lands	313.00	53.60	41804.00
BMPs Installed to Meet Redevelopment Requirements	1134.77	345.90	123063.00
BMPs Installed Prior to July 1, 2009	649.45	310.19	96142.31
BMPs Retrofitting Prior Developed Lands	3695.22	1125.97	766338.83
POC Reductions by Street Sweeping	22283.00	8913.00	2673922.00
Total Reduction Credits	**28,075.44**	**10,748.66**	**3,701,270.14**

Cumulative Progress Towards Compliance Targets Through June 2022

Little Creek Watershed & Chesapeake Bay Beaches

Description	Pollutant of Concern (POC) (lb/yr)		
	TN	TP	TSS
Required POC Reductions:			
Baseline Requirement	129.80	29.40	11345.00
Additional 15% Requirement	19.50	4.40	1702.00
Total Reduction Requirement	**149.30**	**33.80**	**13,047.00**
Reduction Credits:			
BMPs Installed on Unregulated Lands	184.80	24.10	7991.00
BMPs Installed to Meet Redevelopment Requirements	1115.83	222.27	65375.85
BMPs Installed Prior to July 1, 2009	511.01	118.62	22439.33
BMPs Retrofitting Prior Developed Lands	285.40	92.44	38262.30
POC Reductions by Street Sweeping	4892.00	1957.00	586958.00
Total Reduction Credits	**6,989.04**	**2,414.43**	**721,026.48**

Control Measures Implemented During FY 22 Reporting Period

Site ID	SWMF ID #	Site Name	Street Number	Street Name	Zip Code	BMP Type	Online Date	HUC 6	Phosphorous Removed (lbs/year)	Nitrogen Removed (lbs/year)	Sediment Removed (lbs/yr)	Retrofit Type (if applicable)
15-0047	15-0047.1	Gosnold Drainage Improvements	100	Gosnold Ave	23508	Manufactured Treatment Device	3/25/2022	JL56	1.19	0.00	0.00	New SWM Retrofit
16-0091	16-0091.1	814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	23502	Bioretention- Micro 1	7/9/2021	JL56	0.05	0.49	16.83	
16-0091	16-0091.2	814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	23502	Bioretention- Micro 1	7/8/2021	JL56	0.05	0.57	19.63	
16-0091	16-0091.3	814 Brennan Ave-5 lot subdivision	814	BRENNAN AVENUE	23502	Bioretention- Micro 1	3/4/2022	JL56	0.05	0.57	19.63	
16-0092	16-0092.1	Lindenwood Barraud Park Shoreline Restoration	1136	Vista Street	23504	Shoreline Management	7/6/2021	JL56	27.32	85.65	43673.00	Shoreline Restoration
16-0092	16-0092.2	Lindenwood Barraud Park Shoreline Restoration	1136	Vista Street	23504	Shoreline Management	7/6/2021	JL56	27.32	85.65	43673.00	Shoreline Restoration
16-0092	16-0092.3	Lindenwood Barraud Park Shoreline Restoration	1136	Vista Street	23504	Shoreline Management	7/6/2021	JL56	27.32	85.65	43673.00	Shoreline Restoration
17-0008	17-0008.1	Pump Station 10 Service Area-Maryland Ave PS	401	Maryland Avenue	23508	Grass Channel	12/1/2021	JL56	0.00	0.00	0.00	
17-0069	17-0069.1	Home 2 Suites	5620	E PRINCESS ANNE ROAD	23502	Manufactured Treatment Device	7/15/2021	JL54	0.00	0.00	0.00	
17-0095	17-0095.1	Norfolk Botanical Gardens Admin Bldg Parking	6700	AZALEA GARDEN ROAD	23518	Permeable Pavement 1	12/8/2021	CB26	0.13	0.91	28.05	
17-0095	17-0095.2	Norfolk Botanical Gardens Admin Bldg Parking	6700	AZALEA GARDEN ROAD	23518	Sheetflow to Conserved Open Space	12/8/2021	CB26	0.19	1.37	56.10	
18-0010	18-0010.1	VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	23502	Manufactured Treatment Device	3/1/2022	JL54	0.18	2.26	130.85	
18-0010	18-0010.2	VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	23502	Manufactured Treatment Device	3/1/2022	JL54	0.09	1.13	65.43	
18-0020	18-0020.1	829-831 Little Bay Ave Duplex	829	LITTLE BAY AVENUE	23503	Detention Basin	7/20/2021	JL57	0.00	0.00	18.32	
18-0020	18-0020.2	829-831 Little Bay Ave Duplex	829	LITTLE BAY AVENUE	23503	Infiltration 2	7/20/2021	JL57	0.23	1.63	80.23	
18-0022	18-0022.1	Lake Taylor HS Storm Drain and Road Repairs	1384	KEMPSVILLE ROAD	23502	Manufactured Treatment Device	10/12/2021	JL54	0.02	0.09	5.23	
18-0022	18-0022.2	Lake Taylor HS Storm Drain and Road Repairs	1384	KEMPSVILLE ROAD	23502	Manufactured Treatment Device	10/12/2021	JL54	0.06	0.27	15.70	
18-0061	18-0061.1	River Tower at Harbor's Edge	1	COLLEY AVENUE	23510	Permeable Pavement 1	1/14/2022	JL54	0.20	1.43	44.88	
18-0061	18-0061.2	River Tower at Harbor's Edge	1	COLLEY AVENUE	23510	Permeable Pavement 1	1/14/2022	JL54	0.11	0.77	25.24	
18-0069	18-0069.1	Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	23502	Manufactured Treatment Device	10/27/2021	JL54	1.79	9.69	560.05	
18-0069	18-0069.2	Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	23502	Manufactured Treatment Device	10/27/2021	JL54	1.78	10.41	601.92	
18-0069	18-0069.3	Sentara Healthcare Orthopedic Site Plan	6203	E VIRGINIA BEACH BOULEVARD	23502	Manufactured Treatment Device	10/27/2021	JL54	1.29	5.75	332.36	
18-0087	18-0087.1	Southside Library	2300	BERKLEY AVENUE EX	23523	Bioretention 1	8/17/2021	JL54	1.02	8.53	353.40	
18-0087	18-0087.2	Southside Library	2300	BERKLEY AVENUE EX	23523	Bioretention 1	8/17/2021	JL54	0.00	0.00	0.00	
18-0100	18-0100.1	SF DEMO & PARKING LOT	4311	Colley Ave	23508	Permeable Pavement 1	2/1/2022	JL56	0.08	0.54	0.00	
18-0100	18-0100.2	SF DEMO & PARKING LOT	4311	Colley Ave	23508	Permeable Pavement 1	2/1/2022	JL56	0.08	0.54	0.00	
18-0102	18-0102.1	Aspire at East Beach Senior Housing	4801	PRETTY LAKE AVENUE	23518	Manufactured Treatment Device	6/2/2022	CB26	0.68	0.00	0.00	
19-0028	19-0028.1	CHKD Medical Tower II	400	GRESHAM DRIVE	23507	Detention Basin	6/22/2022	JL56	0.00	0.00	0.00	
19-0028	19-0028.2	CHKD Medical Tower II	400	GRESHAM DRIVE	23507	Bioretention	6/22/2022	JL56	0.60	0.00	0.00	
19-0042	19-0042.1	AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	23518	Wet Pond 1	8/31/2021	CB26	6.24	22.22	2643.20	
19-0042	19-0042.2	AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	23518	Manufactured Treatment Device	8/31/2021	CB26	0.56	2.26	130.85	
19-0042	19-0042.3	AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	23518	Manufactured Treatment Device	8/31/2021	CB26	0.56	1.22	70.66	
19-0042	19-0042.4	AIM Technical School Parking Lot & SWM	2329	E Little Creek Road	23518	Manufactured Treatment Device	8/31/2021	CB26	0.56	5.43	314.04	
19-0058	19-0058.1	Harbors edge parking lot	1	Colley Ave	23510	Permeable Pavement 1	1/11/2022	JL56	0.08	0.55	0.00	
19-0058	19-0058.2	Harbors edge parking lot	1	Colley Ave	23510	Permeable Pavement 1	1/11/2022	JL56	0.17	1.18	0.00	
19-0058	19-0058.3	Harbors edge parking lot	1	Colley Ave	23510	Permeable Pavement 1	1/11/2022	JL56	0.10	0.73	0.00	
19-0058	19-0058.4	Harbors edge parking lot	1	Colley Ave	23510	Permeable Pavement 1	1/11/2022	JL56	0.09	0.64	0.00	
19-0082	19-0082.1	Norfolk Fire Training Facility	115	Thole Street	23505	Compost Amendment	3/30/2022	JL56	0.00	0.00	0.00	
19-0086	19-0086.1	STUART SCHOOL APARTMENTS	435	Virginia Ave	23508	Permeable Pavement	8/16/2021	JL56	0.00	0.00	0.00	

Control Measures Implemented During FY 22 Reporting Period

Site ID	SWMF ID #	Site Name	Street Number	Street Name	Zip Code	BMP Type	Online Date	HUC 6	Phosphorous Removed (lbs/year)	Nitrogen Removed (lbs/year)	Sediment Removed (lbs/yr)	Retrofit Type (if applicable)
20-0003	20-0003.1	Trinity Presbyterian Church	1600	Colonial Avenue	23517	Detention Basin	3/4/2022	JL56	0.00	0.00	0.00	
20-0049	20-0049.1	E. Water Street Open Space	1119,1125,	1155 E Water Street	23510	Bioretention 1	3/4/2022	JL54	0.30	2.49	0.00	
20-0049	20-0049.2	E. Water Street Open Space	1119,	1125, 1155 E Water Street	23510	Bioretention 1	3/4/2022	JL54	0.08	0.69	0.00	
20-0049	20-0049.3	E. Water Street Open Space		1119, 1125, 1155 E Water Street	23510	Bioretention 1	3/4/2022	JL54	0.13	1.10	0.00	
20-0054	20-0054.1	East Bay Landing - ROW Improvements	8180	Shore Drive	23518	Credit Purchase	7/26/2021	CB26	0.45	4.51	0.00	
20-0063	20-0063.1	Tabet Manufacturing	1344	Ballentine Blvd	23504	Cisterns and Rain Barrels	3/29/2022	JL54	0.54	3.84	0.00	
20-0066	20-0066.8	Building E - 2nd Bay Development	9620	2nd Bay	23518	Credit Purchase	8/5/2021	CB26	0.60	3.96	0.00	
20-0073	20-0073.1	East Beach Phase 7-South Subdivision	4347	Pleasant Ave	23518	Permeable Pavement	9/13/2021	CB26	0.00	0.00	0.00	
20-0075	20-0075.1	VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	23502	Permeable Pavement 1	10/21/2021	JL54	0.19	1.36	0.00	
20-0075	20-0075.2	VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	23502	Permeable Pavement 1	10/21/2021	JL54	0.19	1.36	0.00	
20-0075	20-0075.3	VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	23502	Permeable Pavement 1	10/21/2021	JL54	0.09	0.73	0.00	
20-0075	20-0075.4	VIRGINIA EYE CONSULTANTS	200	Corporate Blvd	23502	Other Retrofit- Runoff Reduction	10/21/2021	JL54	0.00	0.00	0.00	
21-0009	21-0009.1	Pump Station Replacement #113	3030	Luxembourg Street	23509	Credit Purchase	7/7/2021		0.11	0.23	0.00	
21-0010	21-0010.1	Pump Station Replacement #106	3500	Granby Street	23504	Credit Purchase	7/7/2021	JL56	0.15	0.23	0.00	
21-0011	21-0011.3	Pump Station #105	5734	Chesapeake Blvd	23513	Credit Purchase	7/7/2021	JL56	0.06	0.23	0.00	
21-0014	21-0014.4	Chenman Phase II	601	W 24th Street	23517	Credit Purchase	10/11/2021	JL56	0.10	0.76	0.00	
21-0026	21-0026.1	Hagues Club Apartments	600	Fairfax Ave	23507	Credit Purchase	10/22/2021	JL56	0.05	0.50	35.94	
21-0030	21-0030.1	Woodlawn Mausoleum	6309	E Virginia Beach Blvd	23502	Credit Purchase	7/1/2021	JL54	0.09	0.90	0.00	
21-0030	21-0030.2	Woodlawn Mausoleum	6309	E Virginia Beach Blvd	23502	Dry Swale 1	2/17/2022	JL54	0.13	0.99	0.00	
21-0034	21-0034.1	Algonquin House-Site Improvements	7320	Glenroie Ave	23505	Credit Purchase	9/2/2021	JL56	0.06	0.58	0.00	
21-0036	21-0036.1	Utilities Pump Station 91 Replacement	5524	Raby Rd	23502	Credit Purchase	8/4/2021	JL54	0.17	0.37	0.00	
21-0050	21-0050.1	Utilities Pump Station 93 Replacement	5822	Sellger Drive	23502	Credit Purchase	9/27/2021	JL54	0.04	0.00	0.00	
21-0051	21-0051.2	7-Eleven Site Improvements	1510	E Brambleton	23504	Credit Purchase	11/12/2021	JL54	0.11	1.07	0.00	
21-0052	21-0052.1	Colonna's Shipyard - Steel Processing Center	465	E INDIAN RIVER RD	23523	Credit Purchase	10/15/2021	JL54	0.10	0.97	0.00	
21-0062	21-0062.2	Dudley Ave Townhomes	601	Dudley Ave	23503	Credit Purchase	6/1/2022	CB26	0.40	3.04	0.00	
21-0063	21-0063.2	Dollar Tree Hangar	1301	Miller Store Road	23518	Credit Purchase	12/21/2021	CB26	1.87	18.78	0.00	
21-0064	21-0064.1	SNGH Tank Replacement	701	Children's Lane	23507	Credit Offset	1/25/2022	JL56	0.00	0.00	0.00	
B20-02483	B20-02483.1	Single Family Homes - 2413,2419 Masi Street	2419	Masi Street	23504	Extended Detention Basin	4/13/2022	JL56	0.00	0.00	0.00	
B20-02483	B20-02483.2	Single Family Homes - 2413,2419 Masi Street	2413	Masi Street	23504	Extended Detention Basin	4/13/2022	JL56	0.00	0.00	0.00	
B21-00927	B21-00927.1	Single Family - 3234 East Ocean View Ave	3234	E. Ocean View Ave	23518	Permeable Pavement	4/11/2022	CB26	0.00	0.00	0.00	
B21-01460	B21-01460.1	Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	23518	Infiltration Practices	4/28/2022	CB26	0.00	0.00	0.00	
B21-01460	B21-01460.2	Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	23518	Infiltration Practices	4/28/2022	CB26	0.00	0.00	0.00	
B21-01460	B21-01460.3	Single Family Residence - 3622 E. Ocean View Ave	3622	E Ocean View Ave	23518	Infiltration Practices	4/28/2022	CB26	0.00	0.00	0.00	

Control Measures Expected to be Implemented and Cumulative Progress Through FY23

Below are redevelopment and retrofits projects currently under construction which should reach completion by the end of FY23. Other projects may start and complete in FY23, but cannot be estimated at this time. Assuming the projects below all complete construction, by end of FY23 Norfolk will have achieved 10,798 lbs/yr TP, 28,235 lbs/yr TN, and 3,726,265 lbs/yr TSS in the James River watershed. In the Little Creek and Chesapeake Bay Beaches watershed Norfolk will have achieved 2,424 lbs/yr TP, 7,038 lbs/yr TN, and 721,439 lbs/yr TSS. This cumulative progress far exceeds 1st permit cycle required reductions for all pollutants of concern in both river basins, but Norfolk continues to plan, implement and track projects and programs of all types towards required pollutant reduction targets.

Site ID	SWMF ID	Site Name	HUC	SWMF Type	TP Removal (lbs/year)	TN Removal (lbs/year)	TSS Removal (lbs/yr)
17-0046	17-0046.1	Americana Townhomes	CB26	Wet Pond 1	1.05	3.34	413.491
17-0047	17-0047.2	Devonshire Avenue Sidewalk Improvements	JL56	Manufactured BMP Systems	New Dev	New Dev	New Dev
17-0047	17-0047.3	Devonshire Avenue Sidewalk Improvements	JL56	Manufactured BMP Systems	New Dev	New Dev	New Dev
17-0047	17-0047.1	Devonshire Avenue Sidewalk Improvements	JL56	Manufactured BMP Systems	New Dev	New Dev	New Dev
17-0048	17-0048.1	Johnstons Rd & SW Improvements	JL56	Manufactured BMP Systems	New Dev	New Dev	New Dev
17-0048	17-0048.2	Johnstons Rd & SW Improvements	JL56	Manufactured BMP Systems	New Dev	New Dev	New Dev
17-0051	17-0051.1	Norfolk Square Contractor's Office	JL54	Infiltration 2	0.64	4.51	143.02
18-0004	18-0004.1	841 Redgate Ave - Site Improvements CHKD	JL56	Grass Channel	0.04	0.38	0
18-0028	18-0028.1	Osprey Watch	CB26	Wet Pond 1	New Dev	New Dev	New Dev
18-0043	18-0043.1	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0
18-0043	18-0043.2	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0
18-0043	18-0043.3	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0
18-0043	18-0043.4	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0
18-0043	18-0043.5	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0
18-0053	18-0053.10	The Tern Subdivision Plan	CB26	Infiltration 2	1.91	7.31	0
18-0053	18-0053.9	The Tern Subdivision Plan	CB26	Infiltration 2	1.44	7.31	0
18-0053	18-0053.8	The Tern Subdivision Plan	CB26	Infiltration 2	1.18	7.31	0
18-0053	18-0053.12	The Tern Subdivision Plan	CB26	Infiltration 2	0.89	7.31	0
18-0053	18-0053.13	The Tern Subdivision Plan	CB26	Infiltration 2	0.42	7.31	0

18-0053	18-0053.4	The Tern Subdivision Plan	CB26	Bioretention-Micro 2	0.38	0.21	0
18-0053	18-0053.11	The Tern Subdivision Plan	CB26	Infiltration 2	0.37	7.31	0
18-0053	18-0053.3	The Tern Subdivision Plan	CB26	Bioretention-Micro 2	0.23	0.21	0
18-0053	18-0053.7	The Tern Subdivision Plan	CB26	Bioretention 2	0.20	0.21	0
18-0053	18-0053.2	The Tern Subdivision Plan	CB26	Bioretention-Micro 2	0.20	0.21	0
18-0053	18-0053.5	The Tern Subdivision Plan	CB26	Bioretention-Micro 2	0.17	0.21	0
18-0053	18-0053.1	The Tern Subdivision Plan	CB26	Bioretention-Micro 2	0.16	0.21	0
18-0053	18-0053.6	The Tern Subdivision Plan	CB26	Bioretention-Micro 2	0.16	0.21	0
18-0062	18-0062.2	Moores Bridges WTP Alternate Entrance	CB26	Sheetflow to Vegetated Filter	Qnty Contrl	Qnty Contrl	Qnty Contrl
18-0062	18-0063.3	Moores Bridges WTP Alternate Entrance	CB26	Grass Channel	Qnty Contrl	Qnty Contrl	Qnty Contrl
18-0095	18-0095.1	Christ & St Luke's Church-Outdoor Improvements	JL54	Permeable Pavement 1	0.17	1.27	0
19-0014	19-0014.1	HomeCo Industrial Renovation	JL54	Compost Amendment	0.83	5.90	0
19-0014	19-0014.3	HomeCo Industrial Renovation	JL54	Compost Amendment	0.49	3.50	0
19-0014	19-0014.4	HomeCo Industrial Renovation	JL54	Compost Amendment	0.18	1.26	0
19-0014	19-0014.2	HomeCo Industrial Renovation	JL54	Compost Amendment	0.02	0.12	0
19-0026	19-0026.7	Subdivsion development plan 828 & 840 Redgate Ave	JL56	Bioretention-Micro 2	0.03	0.22	0
19-0026	19-0026.14	Subdivsion development plan 828 & 840 Redgate Ave	JL56	Bioretention-Micro 2	0.03	0.22	0
19-0026	19-0026.2	Subdivsion development plan 828 & 840 Redgate Ave	JL57	Bioretention-Micro 1	0.05	0.39	0
19-0026	19-0026.1	Subdivsion development plan 828 & 840 Redgate Ave	JL58	Bioretention-Micro 1	0.03	0.24	0
19-0026	19-0026.3	Subdivsion development plan 828 & 840 Redgate Ave	JL59	Bioretention-Micro 2	0.03	0.24	0
19-0026	19-0026.4	Subdivsion development plan 828 & 840 Redgate Ave	JL60	Bioretention-Micro 1	0.03	0.23	0
19-0026	19-0026.5	Subdivsion development plan 828 & 840 Redgate Ave	JL61	Bioretention-Micro 2	0.03	0.23	0
19-0026	19-0026.6	Subdivsion development plan 828 & 840 Redgate Ave	JL62	Bioretention-Micro 1	0.03	0.23	0
19-0026	19-0026.9	Subdivsion development plan 828 & 840 Redgate Ave	JL63	Bioretention-Micro 2	0.03	0.23	0
19-0026	19-0026.8	Subdivsion development plan 828 & 840 Redgate Ave	JL64	Bioretention-Micro 1	0.03	0.23	0

19-0026	19-0026.10	Subdivsion development plan 828 & 840 Redgate Ave	JL65	Bioretention-Micro 1	0.03	0.23	0
19-0026	19-0026.11	Subdivsion development plan 828 & 840 Redgate Ave	JL66	Bioretention-Micro 2	0.03	0.22	0
19-0026	19-0026.13	Subdivsion development plan 828 & 840 Redgate Ave	JL67	Bioretention-Micro 2	0.03	0.23	0
19-0026	19-0026.12	Subdivsion development plan 828 & 840 Redgate Ave	JL68	Bioretention-Micro 1	0.01	0.10	0
19-0036	19-0036.1	Hague Stormwater Wetland	JL56	Stormwater Wetland	11.80	42.20	0
19-0060	19-0060.1	Market Heights Appartment Complex	JL54	Permeable Pavement 1	1.49	10.64	0
19-0061	19-0061.1	The Lofts at Front Street	JL56	Permeable Pavement 1	0.46	3.27	0
19-0080	19-0080.2	4108 Pretty Lake Duplex	CB26	Cisterns and Rain Barrels	New Dev	New Dev	New Dev
19-0080	19-0080.1	4109 Pretty Lake Duplex	CB26	Cisterns and Rain Barrels	New Dev	New Dev	New Dev
19-0080	19-0080.3	4110 Pretty Lake Duplex	CB26	Bioretention 1	New Dev	New Dev	New Dev
19-0080	19-0080.4	4111 Pretty Lake Duplex	CB26	Bioretention 1	New Dev	New Dev	New Dev
19-0080	19-0080.5	4112 Pretty Lake Duplex	CB26	Bioretention 1	New Dev	New Dev	New Dev
19-0099	19-0099.4	The Railyard - Hampton Blvd & W 23rd	JL56	Manufactured Treatment Device	4.30	0.00	0
19-0099	19-0099.3	The Railyard - Hampton Blvd & W 23rd	JL56	Manufactured Treatment Device	0.93	0.00	0
19-0099	19-0099.1	The Railyard - Hampton Blvd & W 23rd	JL56	Manufactured Treatment Device	0.49	0.00	0
19-0099	19-0099.2	The Railyard - Hampton Blvd & W 23rd	JL56	Credit Purchase	0.35	1.77	0
20-0002	20-0002.2	Costco Building + Parking Expansion	JL54	Bioretention 1	1.21	10.05	0
20-0002	20-0002.1	Costco Building + Parking Expansion	JL54	Manufactured Treatment Device	0.35	0.00	0
20-0021	20-0021.1	Granby Street Bike Bypass at Riverview	JL56	Manufactured Treatment Device	0.59	0.00	0
20-0024	20-0024.1	Pleasant Point Living Shoreline	JL54	Shoreline Management	15.22	38.32	24576.05
20-0031	20-0031.1	Riverside Station Apartments	JL54	Wet Pond 1	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0045	20-0045.1	Sentara Norfolk General -CSS Renovation	JL56	Manufactured Treatment Device	0.25	0.00	0
20-0068	20-0068.1	Hampton Blvd Water Storage Tank	JL56	Manufactured Treatment Device	0.10	0.00	0
20-0068	20-0068.2	Hampton Blvd Water Storage Tank	JL56	Manufactured Treatment Device	0.10	0.00	0
20-0068	20-0068.3	Hampton Blvd Water Storage Tank	JL56	Detention Basin	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0070	20-0070.5	St. Paul's Redevelopment - Block 19	JL56	Manufactured Treatment Device	0.42	0.00	0
20-0070	20-0070.2	St. Paul's Redevelopment - Block 19	JL56	Permeable Pavement 1	0.06	0.45	0

20-0070	20-0070.4	St. Paul's Redevelopment - Block 19	JL56	Permeable Pavement	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0070	20-0070.1	St. Paul's Redevelopment - Block 19	JL56	Permeable Pavement	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0070	20-0070.3	St. Paul's Redevelopment - Block 19	JL56	Permeable Pavement	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0071	20-0071.4	St. Paul's Block 20	JL54	Permeable Pavement 1	0.09	0.64	0
20-0071	20-0071.3	St. Paul's Block 20	JL54	Permeable Pavement 1	0.03	0.25	0
20-0071	20-0071.1	St. Paul's Block 20	JL54	Permeable Pavement 1	0.03	0.25	0
20-0071	20.0071.2	St. Paul's Block 20	JL54	Manufactured Treatment Device	0.51	0.00	0
20-0074	20-0074.1	Gravity 400	JL56	Manufactured Treatment Device	New Dev	New Dev	New Dev
20-0083	20-0083.5	1952-1956 E Ocean View Avenue	CB26	Permeable Pavement	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0083	20-0083.1	1952-1956 E Ocean View Avenue	CB26	Infiltration 1	0.08	0.50	0
20-0083	20-0083.2	1952-1956 E Ocean View Avenue	CB26	Infiltration 1	0.08	0.50	0
20-0083	20-0083.4	1952-1956 E Ocean View Avenue	CB26	Infiltration 1	0.03	0.19	0
20-0083	20-0083.3	1952-1956 E Ocean View Avenue	CB26	Infiltration 1	0.03	0.19	0
20-0085	20-0085.1	9542 17th Bay Street Lots 13 & 14	CB26	Detention Basin	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0085	20-0085.3	9542 17th Bay Street Lots 13 & 14	CB26	Permeable Pavement	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0085	20-0085.2	9542 17th Bay Street Lots 13 & 14	CB26	Permeable Pavement	Qnty Contrl	Qnty Contrl	Qnty Contrl
20-0088	20-0088.1	The Edge at Azalea Garden	JL56	Wet Pond 1	2.05	6.52	0
21-0001	21-0001.1	Multi-Family Residential Development	JL56	Detention Basin	Qnty Contrl	Qnty Contrl	Qnty Contrl
21-0005	21-0005.1	Fusion Multi-Family Development	JL56	Manufactured Treatment Device	Qnty Contrl	Qnty Contrl	Qnty Contrl
21-0005	21-0005.2	Fusion Multi-Family Development	JL56	Manufactured Treatment Device	Qnty Contrl	Qnty Contrl	Qnty Contrl
21-0007	21-0007.1	Store Space - Storage Unit Facility	JL56	Manufactured Treatment Device	0.91	0.00	0
21-0014	21-0014.1	Chenman Phase II	JL56	Permeable Pavement 1	0.10	0.91	0
21-0014	21-0014.2	Chenman Phase II	JL56	Permeable Pavement 1	0.10	0.91	0
21-0014	21-0014.3	Chenman Phase II	JL56	Permeable Pavement 1	0.10	0.91	0
21-0028	21-0028.2	Colonna's Shipyard Shafting Workshop	JL54	Permeable Pavement 1	New Dev	New Dev	New Dev
21-0031	21-0031.1	Lake Taylor Pointe Multi Family	JL54	Wet Pond 2	New Dev	New Dev	New Dev
21-0035	21-0035.3	Teamsters Club Bldg.	JL54	Bioretention-Micro 1	0.27	2.22	0
21-0035	21-0035.2	Teamsters Club Bldg.	JL54	Bioretention-Micro 1	0.18	1.54	0
21-0035	21-0035.1	Teamsters Club Bldg.	JL54	Bioretention-Micro 1	0.07	0.56	0
21-0036	21-0036.2	Utilities Pump Station 91 Replacement	JL54	Manufactured Treatment Device	0.07	0.00	0
21-0036	21-0036.3	Utilities Pump Station 91 Replacement	JL54	Detention Basin	Qnty Contrl	Qnty Contrl	Qnty Contrl

21-0048	21-0048.1	Lydia Roper House	JL56	Permeable Pavement 2	0.11	0.75	0
21-0061	21-0061.9	ERP - Ryan Resilience Lab	JL56	Green Roof 1	0.02	0.14	9.8
21-0061	21-0061.2	ERP - Ryan Resilience Lab	JL56	Rooftop or Impervious Surface Disconnect	0.02	0.20	12.5
21-0061	21-0061.5	ERP - Ryan Resilience Lab	JL56	Bioretention 1	0.03	0.13	13.3
21-0061	21-0061.4	ERP - Ryan Resilience Lab	JL56	Bioretention 1	0.05	0.17	22.1
21-0061	21-0061.8	ERP - Ryan Resilience Lab	JL56	Conservation Landscaping Practices	0.11	0.76	34.4
21-0061	21-0061.7	ERP - Ryan Resilience Lab	JL56	Permeable Pavement 1	0.08	0.55	35.5
21-0061	21-0061.6	ERP - Ryan Resilience Lab	JL56	Permeable Pavement 1	0.09	0.64	41.5
21-0061	21-0061.3	ERP - Ryan Resilience Lab	JL56	Bioretention-Micro 1	0.08	0.63	42.8
21-0061	21-0061.1	ERP - Ryan Resilience Lab	JL56	Permeable Pavement 1	0.11	0.82	64.2
21-0063	21-0063.1	Dollar Tree Hangar	CB26	Manufactured Treatment Device	New Dev	New Dev	New Dev
22-0015	22-0015.2	Sycamore Plaza	JL54	Bioretention 1	1.62	13.49	0
22-0015	22-0015.1	Sycamore Plaza	JL54	Manufactured Treatment Device	1.21	0.00	0
22-0015	22-0015.3	Sycamore Plaza	JL54	Permeable Pavement	0.00	0.00	0
22-0019	22-0019.1	Aspire at East Beach Phase II	CB26	Manufactured Treatment Device	0.59	0.00	0
22-0027	22-0027.1	Costco - ADA Upgrades	JL54	Credit Offset	0.09	0.00	0
22-0027	22-0027.2	Costco - ADA Upgrades	JL54	Credit Offset	0.08	0.00	0
New Dev= New Development Project w/out Extra Credit Generated Qnty Cntrl= Quantity Control Project w/out Adequate Information for Pollutant Reduction Estimates				**Total Expected FY23 Reductions**	**93.68 lbs TP/yr**	**309.26 lbs TN/yr**	**25,408.66 lbs TSS/yr**

Elizabeth River Bacteria TMDL Implementation

July 2021 - June 2022

In FY22, the City of Norfolk continued implementation of a variety of actions to reduce bacterial impairments, as outlined in the City's Elizabeth River TMDL Action Plan. Although only portions of the Elizabeth River watershed have a bacterial TMDL in Norfolk, activities to reduce these pollutants are conducted city-wide. Implementation activities are broken into two broad categories: 1) Illicit Discharge Detection & Elimination and 2) Programmatic Activities and Monitoring. Information on implementation activity under each category in FY22 is included below.

Illicit Discharge Detection & Elimination Activities:

In FY22, the City of Norfolk continued an aggressive program of addressing and reducing illicit discharges to address both bacterial impairments and other pollutants of concern. Department of Utilities inspected 416,500 linear feet of sanitary sewer pipe to identify deficiencies likely to lead to overflows and addressed 20 sanitary sewer overflows. Department of Public Works staff visually inspected 9,225 stormwater system structures, including more than 50 under dry weather conditions, and addressed 58 illicit discharges in the stormwater system. Department of Public Works also inspected 18 high risk commercial/industrial facilities and continued its use of remote-operated camera for pipe inspection.

Programmatic and Monitoring Activities:

Norfolk continued its extensive education and outreach program in FY22; however, impacts of the COVID-19 pandemic continued and outreach events with schools remained limited. Creative public engagement strategies remained vital to the normally extensive education and outreach program throughout the year which consisted of: pet waste handouts and materials to 6 civic leagues for distribution, adoption and installation of 5 new pet waste stations, 2 HRUBS inserts sent to all Norfolk residents, 5 social media posts, 200 pet waste bag dispensers and information to Norfolk SPCA for distribution with adoptions and events, 150 pet waste bags to Norfolk Admirals Hockey team for distribution at their Pucks & Paws game, and 8 other outreach events outreach events that touched directly on management of pet waste and wildlife to reduce bacteria pollution. 55 new households joined Norfolk's Bay Star Homes program in FY22 and 18 new businesses joined our new Bay Star Business program. People's interests still lie closer to home so we continued to focus on picking up after pets in their backyard or other places away from paved roads that can still have a negative impact on water quality.

In conjunction with the Hampton Roads Planning District Commission Stormwater Education Committee, Norfolk continued to raise awareness about the importance of scooping the poop and the harmful impacts of bacteria-laden waste on local water quality.

- **Paid Media.**
  The committee ran a one-week media campaign in the spring, from April 25-May 1. New creative, consisting of a video and a jingle was created to specifically address pet owners who are likely to scoop the poop in public out of courtesy for others, but do not have the same habit in their private yards. It was featured on traditional and digital television, digital display ads with retargeting and

also social media. Throughout the year, pet waste and "scoop the poop – even in your own backyard" messages were also included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

- **Outreach Materials.** The committee purchased dog waste bag holders, message pens, and two sizes of scoop the poop stickers to support the pet waste message.
- **Public Relations.** The pet waste message was promoted in news releases, print articles, interviews with local radio and TV shows, and featured in the askHRgreen.org newsletter. This year's campaign specifically addresses pet owners who are likely to scoop the poop in public out of courtesy for others, but do not have the same habit in their private yards. A video and jingle was created and used for a one-week paid campaign in the spring, from April 25-May 1, was featured on traditional and digital television, digital display ads and also social media.
- **Social Media.** Social media is an important tool for sharing the "scoop the poop" message, and we utilized Facebook and Instagram in our outreach efforts. Branded and organic social media posts were targeted towards pet owners and specifically promoted scooping the poop "even in their own backyard".

To address the issue of bacterial pollution from wildlife whose behavior is altered by human activity, such as Canada Geese who remain in the area all year round, the City and partners have continued to review and implement several options. Vegetated buffers are now required for all City-owned stormwater pond upgrades or shoreline restorations to discourage congregation of geese in these areas where they frequently feed. Efforts to enhance language in City code and policies to allow, promote, and/or require buffers on private properties are under review. The City coordinated with Elizabeth River Project to cost share implementation of a pond buffer at CMA CGM America's local headquarter, where geese frequently congregated.

In FY22, Norfolk continued its partnership with Hampton Roads Sanitation District, Virginia Department of Health, and other local governments to run the Hampton Roads Boater Pump Out and Education Program. The program works to educate boaters at local marinas and events about proper disposal of sanitary waste on vessels of all sizes. The program also offers pump outs of boats and marinas by appointment. In FY22 in Norfolk, the program provided education to 46 individuals or small groups, conducted 355 pump outs, and collected 5,237 gallons of sewage that may otherwise have found its way into local waters due to equipment failure or illicit discharge.

Norfolk continued partnership with Hampton Roads Sanitation District in FY22 on HRSD's bacterial source tracking program. A study begun in past years on Broad Creek in the Eastern Branch of the Elizabeth assessed wet and dry-weather flow from outfalls into Broad Creek. Results led to identification and repair of several small dry weather discharges and an assessment of bacteria source types suggested pet waste or wildlife may represent the majority of bacterial load in the watershed. Additionally, HRSD and Norfolk Storm Water worked together to track down and repair the source of a dry weather discharge in the Lamberts Point area of the Lafayette River and have begun collection of data to screen for discharges in the headwaters of the Mason Creek watershed.

Example Outreach Materials

Clip from Video

Do you have an eco-friendly fall yard?
Compost!
Plant new trees in late fall.
Use leaves to insulate and feed flower beds.
Mulch mow leaves to naturally fertilize lawns.
Pick up pet waste.
It cannot be used as fertilizer!
Leaves provide necessary winter shelter for birds, frogs & beneficial insects.
*Bag extra leaves for trash pickup.

DON'T PASS THE PUCK!
PICK UP AFTER YOUR PET
PET RELIEF AREA OUTSIDE GATE 3
Powered by
THE CITY OF
NORFOLK

Clips from Video

Wildlife Management Signs