N O R F O L K

Department of Public Works, Field Engineering & Environmental Management

September 26, 2023

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 FY2023 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:

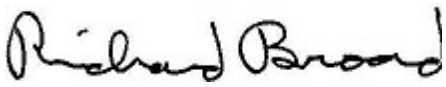
1. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy-making 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.



9/26/2023

Responsible Official Signature Date

VA0088650 City of Norfolk

Permit Number MS4 Name

THE CITY OF
NORFOLK
OFFICE OF THE CITY MANAGER

August 16, 2023

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:

On behalf of the City of Norfolk, I authorize 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 Casey Magruder, Environmental Programs Manager of Environmental Storm Water Management, at (757) 823–4019.

Sincerely,

Patrick Roberts
City Manager

Cc: Douglas Beaver, Acting Deputy City Manager
Richard Broad, Director of Public Works

NORFOLK

Inter Departmental Memorandum

TO:	Patrick Roberts, City Manager
FROM:	Richard Broad, P.E., Director via Doug Beaver, Acting Deputy City Manager
COPIES TO:	Bernard Pishko, City Attorney; Casey Magruder, Environmental Programs Manager
SUBJECT:	Duly Authorized Representative – Environmental Regulatory Compliance Documentation
DATE:	July 28, 2023

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.

Signature: Richard Broad

Date: 8/14/2023

Richard Broad, P.E.

City of Norfolk Phase I MS4 Annual Report - Fiscal Year 2023
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 remains current) 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 1,055,333 linear feet during FY2023.
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 & Development on Prior Developed Lands)	Each annual report shall contain the number of regulated land disturbing activities approved and the total number of acres disturbed. • A total of 291 land disturbing activities were approved, for a total of 133.714 disturbed acres during FY2023.
	Each annual report shall contain the number of land disturbing activity inspections conducted and the number and type of each enforcement action taken. • A total of 3,242 Erosion & Sediment Control inspections were conducted, resulting in 46 written violations and 2 Stop Work Order during FY2023.
	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 FY2023.
	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

<table>
<tr><th>Permit Section</th><th>Specific Reporting Requirement and Result</th></tr>
<tr><td></td><td>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. The NMP's for the Lake Taylor Athletic Fields were reissued June 1, 2023 (rows 1-13 below).
<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>
<tr><td>Lake Taylor Soccer Field 3</td><td>Irrigated</td><td>68,158</td><td>1.56</td></tr>
<tr><td>Lake Taylor Soccer Field 5</td><td>Irrigated</td><td>65,221</td><td>1.50</td></tr>
<tr><td>Lake Taylor Soccer Field 6</td><td>Irrigated</td><td>34,597</td><td>0.79</td></tr>
<tr><td>Lake Taylor Soccer Field 7</td><td>Irrigated</td><td>60,607</td><td>1.39</td></tr>
<tr><td>Lake Taylor Soccer Field 9</td><td>Irrigated</td><td>77,154</td><td>1.77</td></tr>
</table>
</td></tr>
</table>

Permit Section	Specific Reporting Requirement and Result

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 FY2023, 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 1,055,333 linear feet during FY2023.

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 approximately 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 to change behaviors 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 FY2023 International Coastal Cleanup.

Permit Section	Specific Reporting Requirement and Result
	• 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 provided 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. This survey method continued for FY2023, based on a scale of 1-4, with 1 being virtually no litter, to 4 being excessive litter. The FY2023 ratings were as follows: Ward 1: 1.0, Ward 2: 1.5, Ward 3: 2.0, Ward 4: 3.0; Ward 5: 1.5, City Wide Avg Score: 2.25 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. • FY2023 saw the continuation of the "Green Bucket Brigade" which is geared to residents picking up trash where they live, work, and play. This is in addition to numerous beautification events, cigarette butt receptacle giveaways, pet waste station bag giveaways, presentations, and education and outreach events. See Appendix 4 for examples of the graphics used and associated data for these 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 Norview High School and the Southside STEM Academy. In partnership with Waste Management, SPSA, Goodwill, and Shred-It, the events offered Norfolk residents a one-stop location to drop unwanted items such as acceptable recyclables. • Data: o Fall 2022 – Special Waste Collection Event ▪ 78 Participants ▪ 4,713 pounds of assorted materials collected ▪ 4 partners involved (City of Norfolk Waste Management, SPSA, Goodwill, and Shred-It) o Spring 2023 – Special Waste Collection Event ▪ 294 Participants ▪ 6,124 pounds pf assorted materials collected ▪ 4 partners involved (City of Norfolk Waste Management, SPSA, Goodwill, and Shred-It) • See Appendix 4 for event flyers and detailed lists of items collected during FY2023. • In addition, SPSA's Norfolk transfer station is open for HHW and e-waste collections every Tuesday and Saturday from 12pm-4pm.

Permit Section	Specific Reporting Requirement and Result
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 FY2023, 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 FY2023.
	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 FY2023 The permittee shall refer facilities and operations having non-stormwater discharges that do not have coverage under an existing VPDES permit. • In February 2023, City staff found Vulcan's concrete recycling yard discharging concrete washout water into the waterway. The facility did not have a permit with DEQ covering this discharge. DEQ staff were notified, and City staff assisted DEQ with an inspection on-site on February 14, 2023. 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 FY2023 The permittee shall refer any VPDES industrial stormwater permit facility where there is evidence of significant pollutant loadings to the MS4. • NA – None in FY2023 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.
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) – 8,530 Total Length of Open Conveyances Inspected (at least 35,460 linear ft) – 228,516 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.

Permit Section	Specific Reporting Requirement and Result
	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 FY2023. 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 the High-Priority Municipal Yard Study and 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 FY2023, the askHRGreen.org Annual Report which summarizes activities conducted at a regional level, and the FY2023 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 or pressure washing company 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. Thirteen business owners signed the application in FY2023. 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 FY2023, the City's Bay Star Home program gave away 30 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 FY23, ERP installed 3 conservation landscaping areas treating 2,750 ft^2, 4 living shorelines totaling 5,084 ft^2 and 369 linear ft, 6 riparian buffer plantings totaling 8,292 ft^2 and 465 linear ft, 1 infiltration practice treating 500 ft^2, and 91 trees outside of other project areas. ERP also completed 7 living shorelines in Norfolk using other funding sources in FY23, totaling 11,990 ft^2 and 736

<table>
<tr><th>Permit Section</th><th>Specific Reporting Requirement and Result</th></tr>
<tr><td></td><td>linear ft. The City continues to implement an enhanced “Scoop the Poop” campaign, which focuses on resident’s cleaning up after their dogs. BMP sign initiatives were also continued, including educational information regarding mowing around BMP’s and not feeding the wildlife. 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.</td></tr>
<tr><td></td><td>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.</td></tr>
<tr><td></td><td>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</td></tr>
<tr><td></td><td>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.
All Annual Reports can be found at https://www.norfolk.gov/index.aspx?NID=1689. The FY2023 Annual Report will be posted on the City webpage upon submittal to the Department.</td></tr>
<tr><td></td><td>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</td></tr>
<tr><td>Part I.B.2.k (Training)</td><td>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.)
<table>
<tr><th>Date</th><th>Dept/Div Reached</th><th># Attending</th><th>Topics</th></tr>
<tr><td>June 2023</td><td>Public Works – Streets & Bridges</td><td>63</td><td>SWPPP, IDDE, spill response, good housekeeping, pollution prevention</td></tr>
<tr><td>April 2023</td><td>Public Works – Storm Water</td><td>69</td><td>SWPPP, IDDE, spill response, good housekeeping, pollution prevention</td></tr>
<tr><td>February 2023</td><td>Recreation, Parks, & Open Spaces</td><td>104</td><td>SWPPP, IDDE, spill response, good housekeeping, pollution prevention</td></tr>
</table></td></tr>
</table>

Permit Section	Specific Reporting Requirement and Result			
	May 2023	School Fleet	12	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
	April – June 2023	Moores Bridges Water Treatment Plant	60	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
	June 2023	Kristen M. Lentz Water Treatment Plant	9	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
	May 2023	Norfolk Public Schools – Janitorial Staff	48	Spill response, good housekeeping, pollution prevention
	March 2023	Division of Waste Management	95	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
	May 2023	Fleet	28	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
	June 2023	Facilities	84	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
	July 2023	Public Utilities – Combined Utilities	103	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 is conducted annually, with the most recent course conducted September 26, 2022 and reaching a total of 80 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.			

Permit Section	Specific Reporting Requirement and Result
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 June 1, 2023. See Appendix 11 for copies of the meeting agenda and presentation.
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 Monitoring and Tracking)	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. • 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 FY2023, 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 FY2023. 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 FY2023. Also see section 2.8 in the City's MS4 Program Plan.

Permit Section	Specific Reporting Requirement and Result
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 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
EDUCATION								
Acquire School Buses								
CP	865	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	866	18,692,185	25,891,347	9,000,000	3,000,000	3,000,000	3,000,000	43,891,347
Construct Maury High School								
CP	867	10,000,000	0	0	140,000,000	0	0	140,000,000
Construct Norview Elementary School								
CP	868	0	0	0	0	37,500,000	0	37,500,000
Subtotal Education		**29,692,185**	**26,891,347**	**10,000,000**	**144,000,000**	**41,500,000**	**4,000,000**	**226,391,347**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
TRANSPORTATION								
Enhance Signals and Intersections								
CP	871	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	872	750,000	750,000	750,000	750,000	750,000	750,000	3,750,000
Improve Granby Street Corridor								
CP	873	0	2,000,000	0	0	0	0	2,000,000
Improve Street Infrastructure Citywide								
CP	874	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	875	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Install Signals at Hampton Boulevard and North Shore Road Intersection								
CP	876	0	0	0	0	0	1,300,000	1,300,000
Provide funding for the St. Paul's Bridge								
CP	877	0	6,350,000	0	0	0	0	6,350,000
Provide Funds for a Downtown Traffic Study								
CP	878	0	1,500,000	0	0	0	0	1,500,000
Rehabilitate Berkley Avenue Bridge								
CP	879	0	0	7,500,000	0	0	0	7,500,000
Rehabilitate Brambleton Ave Bridge								
CP	880	0	0	0	0	2,500,000	0	2,500,000
Rehabilitate Norview Ave Bridge								
CP	881	0	0	0	0	7,500,000	0	7,500,000
Repair, Replace, and Maintain Bridges								
CP	882	3,000,000	2,050,000	1,500,000	1,600,000	1,200,000	1,050,000	7,400,000
Subtotal Transportation		**9,750,000**	**18,650,000**	**15,750,000**	**8,350,000**	**17,950,000**	**9,100,000**	**69,800,000**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
ECONOMIC DEVELOPMENT								
Improve Half Moone Cruise Terminal for Carnival Contract								
CP	885	0	12,000,000	0	0	0	0	12,000,000
Provide Funds to Acquire and Renovate Rosna Theatre								
CP	886	0	5,000,000	0	0	0	0	5,000,000
Provide funds to demolish Military Circle Mall								
CP	887	0	10,000,000	0	0	0	0	10,000,000
Reconstruct and Rehabilitate Hague Bulkhead								
CP	888	0	2,750,000	2,250,000	0	0	0	5,000,000
Revitalize Ocean View Beach Park								
CP	889	1,500,000	1,000,000	0	0	0	0	1,000,000
Subtotal Economic Development		**1,500,000**	**30,750,000**	**2,250,000**	**0**	**0**	**0**	**33,000,000**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
CULTURAL FACILITIES								
Fund Chrysler Museum Capital Campaign								
CP	893	1,500,000	1,500,000	0	3,000,000	0	3,000,000	7,500,000
Improve Cemeteries Infrastructure								
CP	894	250,000	300,000	300,000	300,000	300,000	300,000	1,500,000
Improve Cultural Facilities								
CP	895	500,000	4,850,000	1,000,000	1,000,000	1,000,000	1,000,000	8,850,000
Improve Harbor Park								
CP	896	1,700,000	2,500,000	0	4,700,000	0	750,000	7,950,000
Maintain Scope/Chrysler Hall Complex								
CP	897	2,000,000	450,000	1,200,000	1,200,000	1,200,000	1,200,000	5,250,000
Maintain USS Wisconsin BB-64								
CP	898	960,000	670,000	600,000	850,000	600,000	600,000	3,320,000
Provide Match Funds for Nauticus Exhibit Renovations								
CP	899	1,000,000	6,000,000	0	0	0	0	6,000,000
Renovate Chrysler Hall								
CP	900	0	1,000,000	0	0	0	0	1,000,000
Support Citywide Public Art								
CP	901	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Support Repair of Scope Arena								
CP	902	1,250,000	1,150,000	1,000,000	1,000,000	1,000,000	1,000,000	5,150,000
Subtotal Cultural Facilities		**9,410,000**	**18,670,000**	**4,350,000**	**12,300,000**	**4,350,000**	**8,100,000**	**47,770,000**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
NEIGHBORHOOD DEVELOPMENT								
Acquisition and Demolition of Blighted Properties in Willoughby								
CP	905	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	906	6,000,000	17,215,200	14,315,200	0	0	0	31,530,400
Convert Street Lights to LED								
CP	907	5,000,000	100,000	0	0	0	0	100,000
Improve 23rd Street Streetscapes								
CP	908	3,000,000	3,500,000	0	0	0	0	3,500,000
Improve Citywide Dredging and Waterways								
CP	909	150,000	0	0	0	660,000	660,000	1,320,000
Improve East Ocean View Drainage								
SW	910	2,700,000	500,000	0	3,500,000	3,000,000	0	7,000,000
Improve Glenrock Drainage								
SW	911	1,600,000	1,000,000	0	2,000,000	1,000,000	0	4,000,000
Improve Glenwood Park Drainage								
SW	912	1,600,000	1,500,000	750,000	3,000,000	2,200,000	0	7,450,000
Improve Neighborhood Streets								
CP	913	550,000	550,000	550,000	550,000	550,000	550,000	2,750,000
Improve Overbrook/Coleman Place Drainage								
SW	914	2,000,000	500,000	0	1,315,200	2,315,200	0	4,130,400
Improve Park Place Drainage								
SW	915	0	0	500,000	2,000,000	2,000,000	3,000,000	7,500,000
Improve Richmond Crescent and Surrey Crescent Shoreline								
CP	916	0	500,000	5,000,000	0	0	0	5,500,000
Improve the Art District Streetscapes								
CP	917	0	4,500,000	0	0	0	0	4,500,000
Improve Wastewater Infrastructure in St. Paul's Area								
SF	918	1,900,000	2,200,000	0	0	0	0	2,200,000
Improve Water Infrastructure in St. Paul's Area								
WF	919	300,000	2,200,000	0	0	0	0	2,200,000
Invest in Housing Rehabilitation								

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
NEIGHBORHOOD DEVELOPMENT								
CP	920	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Perform Pretty Lake Main Channel Maintenance Dredging								
CP	921	0	0	0	0	1,100,000	0	1,100,000
Provide Funding for a Commercial Grade Kitchen for Homeless Shelter								
CP	922	0	0	700,000	0	0	0	700,000
Provide Funds for Dredging of Lafayette River								
CP	923	0	2,510,000	1,300,000	0	0	0	3,810,000
Rehabilitate Tidewater Drive Pump Station								
SW	924	0	300,000	0	2,000,000	0	0	2,300,000
Revitalize St. Paul's Community								
CP	925	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	926	0	0	0	1,750,000	0	0	1,750,000
Support Blue/Greenway Amenities in St. Paul's Area								
CP	927	1,000,000	0	7,700,000	0	0	0	7,700,000
Subtotal Neighborhood Development		**29,200,000**	**40,475,200**	**34,215,200**	**19,515,200**	**16,225,200**	**7,610,000**	**118,040,800**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
PUBLIC BUILDINGS								
Develop Multi-purpose Space at Public Works Operations								
CP	931	0	125,000	0	0	0	0	125,000
Improve and Maintain the Zoo								
CP	932	3,000,000	550,000	500,000	500,000	500,000	500,000	2,550,000
Maintain Fire Stations								
CP	933	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Maintain Municipal Facilities								
CP	934	8,640,000	5,500,000	5,500,000	5,500,000	5,500,000	5,500,000	27,500,000
Maintain Parking Facilities								
PF	935	0	500,000	4,500,000	3,900,000	4,500,000	3,900,000	17,300,000
Provide Funding for Fred Heutte Center Maintenance								
CP	936	0	500,000	0	0	0	0	500,000
Provide Funding for Public Safety Emergency Operations Center								
CP	937	0	750,000	0	0	0	25,000,000	25,750,000
Renovate Temporary Location of the Real Time Crime Center								
CP	938	0	517,000	0	0	0	0	517,000
Support Fire-Rescue Modernization Plan								
CP	939	0	500,000	0	7,500,000	7,500,000	0	15,500,000
Support Jail Improvements								
CP	940	3,250,000	3,650,000	300,000	300,000	300,000	300,000	4,850,000
Support Virginia Zoo Capital Campaign								
CP	941	500,000	500,000	500,000	500,000	0	0	1,500,000
Upgrade Security at City Facilities								
CP	942	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Subtotal Public Buildings		**16,390,000**	**14,092,000**	**12,300,000**	**19,200,000**	**19,300,000**	**36,200,000**	**101,092,000**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
PARKS & RECREATION FACILITIES								
Construct a Combination Recreation and Library Facility at NFWC								
CP	945	0	65,550,000	0	0	0	0	65,550,000
Implement Ocean View Beach Access Routes								
CP	946	0	400,000	400,000	0	0	0	800,000
Implement Parks and Recreation Master Plan								
CP	947	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Improve Community and Neighborhood Parks								
CP	948	750,000	1,300,000	250,000	500,000	500,000	500,000	3,050,000
Improve Existing Community Centers								
CP	949	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Improve Tennis Courts Citywide								
CP	950	0	3,450,000	1,400,000	1,400,000	1,400,000	1,400,000	9,050,000
Renovate Facilities at Ocean View Elementary Baseball Fields								
CP	951	0	500,000	0	0	0	0	500,000
Subtotal Parks & Recreation Facilities		**1,450,000**	**71,900,000**	**2,750,000**	**2,600,000**	**2,600,000**	**2,600,000**	**82,450,000**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
ENVIRONMENTAL SUSTAINABILITY								
Conduct Outfall Maintenance and Dredging								
SW	955	450,000	2,650,000	500,000	500,000	500,000	500,000	4,650,000
Conduct Sliplining and Major Repairs to Existing Infrastructure								
SW	956	1,200,000	700,000	700,000	700,000	750,000	950,000	3,800,000
Implement Flood Mitigation at Sylvan Street and Walnut Hill Street								
SW	957	0	1,500,000	0	0	0	0	1,500,000
Implement Pond Retrofits Citywide								
SW	958	1,700,000	800,000	500,000	1,000,000	1,000,000	1,000,000	4,300,000
Implement Shoreline Restoration								
SW	959	550,000	450,000	750,000	1,250,000	1,250,000	1,250,000	4,950,000
Implement the Green Infrastructure Plan								
SW	960	100,000	100,000	100,000	100,000	100,000	100,000	500,000
Improve Lake Whitehurst								
SW	961	0	0	1,000,000	1,000,000	1,500,000	2,000,000	5,500,000
Improve Storm Water Waterfront Facilities								
SW	962	0	500,000	0	500,000	500,000	500,000	2,000,000
Rehabilitate Pagoda Basin Waterfront and PierPointe Waterfront								
CP	963	0	1,500,000	0	0	0	0	1,500,000
Restore Riverside Memorial Park Shoreline								
CP	964	0	2,000,000	0	0	0	0	2,000,000
Subtotal Environmental Sustainability		**4,000,000**	**10,200,000**	**3,550,000**	**5,050,000**	**5,600,000**	**6,300,000**	**30,700,000**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
PARKING								
Maintain Bank Street Garage								
PF	967	0	1,500,000	0	0	0	0	1,500,000
Maintain Charlotte Street Garage								
PF	968	0	500,000	0	0	0	0	500,000
Maintain Town Point Garage								
PF	969	0	500,000	0	0	0	0	500,000
Maintain Waterside Garage								
PF	970	0	500,000	0	0	0	0	500,000
Maintain West Plume Street Garage								
PF	971	0	500,000	0	0	0	0	500,000
Support Main Street Garage								
PF	972	0	500,000	0	0	0	0	500,000
Support Parking Garage Re-Lamping Program								
PF	973	0	2,000,822	0	0	0	0	2,000,822
Subtotal Parking		**0**	**6,000,822**	**0**	**0**	**0**	**0**	**6,000,822**
STORM WATER								
Construct a Downtown Flood Wall								
CP	977	35,000,000	56,628,800	93,000,000	93,000,000	93,000,000	93,000,000	428,628,800
Improve Bruce's Park Drainage								
SW	978	0	0	0	250,000	500,000	5,000,000	5,750,000
Improve Chesapeake Boulevard Drainage								
SW	979	0	0	0	0	2,500,000	3,500,000	6,000,000
Provide Funds for Lowery Road Drainage Improvements								
SW	980	0	1,000,000	0	0	0	0	1,000,000
Rehabilitation of the Tidewater Drive Drainage Trunk Line								
SW	981	0	0	0	0	0	1,315,200	1,315,200
Subtotal Storm Water		**35,000,000**	**57,628,800**	**93,000,000**	**93,250,000**	**96,000,000**	**102,815,200**	**442,694,000**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
WASTEWATER								
Improve Larchmont Wastewater Infrastructure								
SF	985	1,500,000	2,750,000	2,750,000	2,750,000	0	0	8,250,000
Improve Wastewater Collection System								
SF	986	13,600,000	23,930,000	21,400,000	19,650,000	24,950,000	23,400,000	113,330,000
Subtotal Wastewater		**15,100,000**	**26,680,000**	**24,150,000**	**22,400,000**	**24,950,000**	**23,400,000**	**121,580,000**
WATER								
Comply with Lead and Copper Rule Revisions								
WF	989	0	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Construct Commonwealth Railroad Pipeline								
WF	990	0	7,300,000	7,300,000	0	0	0	14,600,000
Develop Advanced Metering Infrastructure (AMI)								
WF	991	0	4,500,000	9,000,000	9,000,000	4,500,000	0	27,000,000
Replace Lake Smith Culvert								
WF	992	600,000	1,000,000	1,000,000	1,000,000	1,000,000	0	4,000,000
Replace Raw and Finished Water Transmission / Distribution								
WF	993	16,600,000	20,600,000	20,100,000	20,100,000	19,900,000	18,700,000	99,400,000
Support Watershed Management								
WF	994	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000	2,700,000	13,500,000
Upgrade Billing System								
WF	995	2,000,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Upgrade Water Treatment Plants								
WF	996	13,400,000	14,200,000	14,100,000	14,100,000	13,400,000	13,400,000	69,200,000
Subtotal Water		**35,300,000**	**52,500,000**	**56,400,000**	**49,100,000**	**43,700,000**	**37,000,000**	**238,700,000**

FY 2024 - FY 2028 Capital Improvement Plan

Project Title / Fund	Page	Originally Planned FY 2024	Adopted FY 2024*	Planned FY 2025	FY 2026	FY 2027	FY 2028	Total
GENERAL & OTHER								
Acquire Fleet Vehicles and Equipment								
CP	999	5,525,000	5,625,000	4,000,000	4,000,000	4,000,000	4,000,000	21,625,000
Acquire Technology								
CP	1,000	4,125,000	4,200,000	4,000,000	4,000,000	4,000,000	4,000,000	20,200,000
Construct New Norfolk Animal Care Center								
CP	1,001	0	800,000	10,000,000	0	0	0	10,800,000
Design and Construct Regional Fiber Ring								
CP	1,002	0	1,000,000	0	0	0	0	1,000,000
Improve Infrastructure and Acquire Property								
CP	1,003	1,500,000	1,500,000	1,500,000	1,500,000	500,000	500,000	5,500,000
Provide Funding for Maintenance of Banks Community Center in Berkley								
CP	1,004	0	500,000	0	0	0	0	500,000
Provide funding for Norfolk Botanical Garden's Capital Campaign								
CP	1,005	0	2,500,000	2,500,000	0	0	0	5,000,000
Provide funds for Tidewater Community College's Visual Arts Center								
CP	1,006	0	2,000,000	0	0	0	0	2,000,000
Provide funds for Virginia Arts Festival capital campaign								
CP	1,007	0	1,000,000	0	0	0	0	1,000,000
Support Citywide Signage Improvements								
CP	1,008	0	1,550,000	1,050,000	50,000	50,000	50,000	2,750,000
Support Major Demolitions								
CP	1,009	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Subtotal General & Other		**11,650,000**	**21,175,000**	**23,550,000**	**10,050,000**	**9,050,000**	**9,050,000**	**72,875,000**
Total Capital Improvement Plan		**198,442,185**	**395,613,169**	**282,265,200**	**385,815,200**	**281,225,200**	**246,175,200**	**1,591,093,969**

Enterprise Funds



STORM WATER MANAGEMENT

Cost Recovery Summary

	FY 2021 Actual	FY 2022 Actual	FY 2023 Adopted	FY 2024 Adopted
Use of Money and Property	2,629	-30,480	4,020	4,020
Charges for Services	22,183,304	22,231,981	22,813,564	23,673,834
Miscellaneous Revenue	66,386	96,841	44,000	44,000
Other Sources and Transfers In	0	0	0	0
Federal Aid	0	2,276,120	0	0
Total	**22,252,318**	**24,574,462**	**22,861,584**	**23,721,854**

Actual amounts represent collections, not appropriation authority.

Expenditure Summary

	FY 2021 Actual	FY 2022 Actual	FY 2023 Adopted	FY 2024 Adopted
Personnel Services	6,426,095	6,747,454	7,548,437	8,302,593
Materials, Supplies, and Repairs	3,587,893	2,534,997	2,647,245	2,349,745
Contractual Services	2,127,606	3,088,585	1,823,797	2,031,421
Equipment	1,112,400	(381,888)	1,382,864	2,493,950
Department Specific Appropriation	0	2,192	4,374,304	3,264,678
Debt Service/Transfers to CIP	821,906	1,196,398	5,084,937	5,279,467
Total	**14,075,900**	**13,187,738**	**22,861,584**	**23,721,854**

			FY 2024 Adopted	
Program Name	**Service Objective**	**Service Level Classification**	**Dollars**	**FTEs**
Division Office	Efficient and responsive government	Meets Demand - Maintains	388,444	2.0
Administrative Support	Efficient and responsive government	Meets Demand - Maintains	1,190,142	12.0
Construction, Design, and Engineering	Infrastructure and Connectivity	Meets Demand - Maintains	3,335,294	13.0
Cost Allocation for Citywide Services	Efficient and responsive government	Meets Demand - Maintains	648,715	0.0
Debt Service	Efficient and responsive government	Meets Demand - Maintains	7,226,945	0.0
Environmental Regulatory Compliance	Resilient Norfolk	Meets Demand - Maintains	904,804	7.0
Sand and Beach Nourishment	Resilient Norfolk	Meets Demand - Maintains	30,000	0.0
Storm Water Infrastructure Operations and Maintenance	Infrastructure and Connectivity	Meets Demand - Maintains	5,379,953	52.0
Street Sweeping	Resilient Norfolk	Meets Demand - Maintains	4,617,557	27.0

STORM WATER MANAGEMENT

Total	**23,721,854**	**113.0**
Total FY 2023 Adopted	**22,861,584**	**112.0**
Change from FY 2023 Adopted	**860,270**	**1.0**

STORM WATER MANAGEMENT

Program: **Division Office**

Adjustments to Baseline Service Level Cost:

	FY 2024	FTE
Update base program costs	**2,539**	**(1.0)**
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 1, 2023. 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	**2,539**	**(1.0)**

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 2023 Adopted	FY 2024 Adopted
Personnel Services	331,540	333,779
Materials, Supplies, and Repairs	51,515	52,015
Contractual Services	2,850	2,550
Equipment	0	100
Total	**385,905**	**388,444**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2023 Adopted	FTE Change	FY 2024 Adopted
Design/Construction Project Manager, Senior	1 17	$70,887	$115,688	1.0	0.0	1.0
Project Manager	1 16	$66,353	$108,182	1.0	(1.0)	0.0
Storm Water Engineer	1 19	$80,451	$130,837	1.0	0.0	1.0
Total				**3.0**	**(1.0)**	**2.0**

STORM WATER MANAGEMENT

Program: **Administrative Support**

Adjustments to Baseline Service Level Cost:

	FY 2024	FTE
Adjust required contribution to Virginia Retirement System	**31,676**	**0.0**
Technical adjustment for the annual required contribution to the Virginia Retirement System (VRS). The contribution rate for the city is 12.84 percent of eligible payroll in FY 2024. Costs are distributed to departments based on each department's VRS eligible payroll.		
Update base program costs	**(17,380)**	**(1.0)**
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 1, 2023. 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	**14,296**	**(1.0)**

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 2023 Adopted	FY 2024 Adopted
Personnel Services	1,120,696	1,135,392
Materials, Supplies, and Repairs	15,500	9,000
Contractual Services	21,650	31,750
Equipment	18,000	14,000
Total	**1,175,846**	**1,190,142**

Full Time Equivalent (FTE) Summary

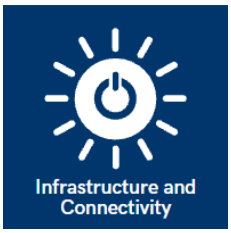
	Pay Grade	Minimum	Maximum	FY 2023 Adopted	FTE Change	FY 2024 Adopted
Accountant I	1 11	$45,013	$73,453	2.0	0.0	2.0
Accountant III	1 13	$52,755	$86,020	1.0	0.0	1.0
Accountant IV	1 14	$57,385	$94,914	1.0	0.0	1.0
Accounting Technician II	1 07	$39,837	$64,934	2.0	0.0	2.0
Administrative Assistant II	1 10	$41,187	$67,135	1.0	0.0	1.0
Administrative Technician	1 07	$39,837	$64,934	1.0	0.0	1.0
Collection Coordinator	1 11	$45,013	$73,453	1.0	0.0	1.0
Enterprise Controller	1 16	$66,353	$108,182	1.0	0.0	1.0
Manager of Budget & Accounting	1 18	$75,782	$123,572	1.0	0.0	1.0
Program Administrator	1 13	$52,755	$86,020	1.0	(1.0)	0.0
Storekeeper II	1 06	$39,575	$64,506	1.0	0.0	1.0
Total				**13.0**	**(1.0)**	**12.0**

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 2021 Actual	FY 2022 Actual	FY 2023 Projection	FY 2024 Adopted	Metric
Number of miss utilities tickets reviewed	42,814	47,947	47,947	47,947	40,000
Number of site plans reviewed	232	194	200	200	200

STORM WATER MANAGEMENT

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

Adjustments to Baseline Service Level Cost:

	FY 2024	FTE
Remove one-time funds for flood mitigation investment plan	**(500,000)**	**0.0**
Technical adjustment to remove one-time funds provided in FY 2023 used to hire consultants to develop a flood mitigation plan.		
Adjust required contribution to Virginia Retirement System	**16,838**	**0.0**
Technical adjustment for the annual required contribution to the Virginia Retirement System (VRS). The contribution rate for the city is 12.84 percent of eligible payroll in FY 2024. Costs are distributed to departments based on each department's VRS eligible payroll.		
Increase funding for project management software	**2,476**	**0.0**
Technical adjustment to provide funds for contractual increases for project management system E-Builder. Contract costs are expected to increase by five percent annually.		
Update base program costs	**304,209**	**1.0**
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 1, 2023. 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	**(176,477)**	**1.0**

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 2023 Adopted	FY 2024 Adopted
Personnel Services	1,128,538	1,247,526
Materials, Supplies, and Repairs	39,545	41,604
Contractual Services	488,614	688,614
Equipment	39,874	42,350
Department Specific Appropriation	500,000	0
Debt Service/Transfers to CIP	1,315,200	1,315,200
Total	**3,511,771**	**3,335,294**

STORM WATER MANAGEMENT

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

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2023 Adopted	FTE Change	FY 2024 Adopted
CCTV Technician	1 11	$45,013	$73,453	1.0	0.0	1.0
Civil Engineer II	1 15	$62,122	$101,571	2.0	(1.0)	1.0
Civil Engineer III	1 16	$66,353	$108,182	2.0	(1.0)	1.0
Construction Inspector II	1 11	$45,013	$73,453	1.0	1.0	2.0
Construction Inspector III	1 12	$48,912	$79,765	1.0	0.0	1.0
Design/Construction Project Manager, Senior	1 17	$70,887	$115,688	1.0	0.0	1.0
Engineering Technician II	1 11	$45,013	$73,453	1.0	0.0	1.0
Engineering Technician IV	1 13	$52,755	$86,020	1.0	0.0	1.0
Geographic Information Systems Technician II	1 11	$45,013	$73,453	1.0	0.0	1.0
Project Manager	1 16	$66,353	$108,182	1.0	2.0	3.0
Total				**12.0**	**1.0**	**13.0**

STORM WATER MANAGEMENT

Program: **Cost Allocation for Citywide Services**

Adjustments to Baseline Service Level Cost:

	FY 2024	FTE
Adjust operating expenses	**(42,604)**	**0.0**
Technical adjustment for operational expenses which occur annually. These expenses may include indirect costs and payment in lieu of taxes		
Update base program costs	**(12,500)**	**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 1, 2023. 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	**(55,104)**	**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 2023 Adopted	FY 2024 Adopted
Materials, Supplies, and Repairs	156,445	143,945
Contractual Services	547,374	504,770
Total	**703,819**	**648,715**

STORM WATER MANAGEMENT

Program: **Debt Service**

Adjustments to Baseline Service Level Cost:

	FY 2024	FTE
Adjust operating expenses	**257,499**	**0.0**
Technical adjustment for operational expenses which occur annually. These expenses may include indirect costs and payment in lieu of taxes		
Update base program costs	**(674,595)**	**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 1, 2023. 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	**(417,096)**	**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 2023 Adopted	FY 2024 Adopted
Department Specific Appropriation	3,874,304	3,262,678
Debt Service/Transfers to CIP	3,769,737	3,964,267
Total	**7,644,041**	**7,226,945**

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:

Resilient Norfolk

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 2021 Actual	FY 2022 Actual	FY 2023 Projection	FY 2024 Adopted	Metric
Number of environmental complaints investigated	171	336	150	150	150
Number of illicit discharges investigated and corrected	49	69	40	40	40
Number of post-construction BMPs inspected and reinspected	1,151	1,001	850	850	850

STORM WATER MANAGEMENT

Program: **Environmental Regulatory Compliance**

Adjustments to Baseline Service Level Cost:

	FY 2024	FTE
Adjust required contribution to Virginia Retirement System	**21,469**	**0.0**
Technical adjustment for the annual required contribution to the Virginia Retirement System (VRS). The contribution rate for the city is 12.84 percent of eligible payroll in FY 2024. Costs are distributed to departments based on each department's VRS eligible payroll.		
Increase funding for state storm water permit fee	**21,200**	**0.0**
Technical adjustment to increase funds for the Municipal Separate Storm Sewer System (MS4) permit - the city's publicly owned storm water sewer system permit that is issued by the state. A new permit is being issued for the city in September 2023. Funds will be used to cover the increased costs of the MS4 permit as well as additional new testing requirements associated with maintaining the new permit.		
Update base program costs	**25,252**	**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 1, 2023. 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	**67,921**	**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 2023 Adopted	FY 2024 Adopted
Personnel Services	610,938	630,200
Materials, Supplies, and Repairs	43,545	45,004
Contractual Services	144,900	183,100
Equipment	37,500	46,500
Total	**836,883**	**904,804**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2023 Adopted	FTE Change	FY 2024 Adopted
Engineering Technician I	1 10	$41,187	$67,135	1.0	0.0	1.0
Environmental Specialist II	1 12	$48,912	$79,765	2.0	0.0	2.0
Program Supervisor	1 13	$52,755	$86,020	1.0	0.0	1.0
Programs Manager	1 15	$62,122	$101,571	1.0	0.0	1.0
Project Manager	1 16	$66,353	$108,182	1.0	0.0	1.0
Public Relations Specialist	1 12	$48,912	$79,765	1.0	0.0	1.0
Total				**7.0**	**0.0**	**7.0**

STORM WATER MANAGEMENT

Program: **Sand and Beach Nourishment**

The Sand and Beach Nourishment program administers the Sand Management Plan adopted by City Council and supports the operation, maintenance, repair, rehabilitation, and sand replacement as required by the federal project authorization and agreement.

Service Objective:



Customers Served:

Residents Businesses City Agencies **Tourists/Visitors**

Goal Statement:

To comply with the Sand Management Plan through monitoring of the shoreline, maintenance of the beach berm and dune lines, and facilitation of beach nourishment projects.

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 2021 Actual	FY 2022 Actual	FY 2023 Projection	FY 2024 Adopted	Metric
Number of times per year topographic, hydrographic, and LiDAR surveys are completed	N/A	2	2	2	2
Number of times per year wave gauge maintenance and analysis completed	N/A	1	1	1	1

Adjustments to Baseline Service Level Cost:

No adjustments to Baseline Service Level cost.

Adopted Service Level Changes:

No adopted Service Level changes.

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

STORM WATER MANAGEMENT

Program: **Sand and Beach Nourishment**

Expenditure Summary

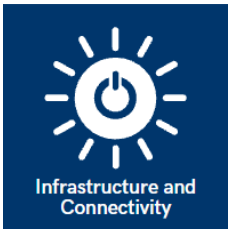
	FY 2023 Adopted	FY 2024 Adopted
Contractual Services	30,000	28,000
Department Specific Appropriation	0	2,000
Total	**30,000**	**30,000**

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 2021 Actual	FY 2022 Actual	FY 2023 Projection	FY 2024 Adopted	Metric
Linear feet of ditches cleaned	212,467	161,797	150,000	150,000	150,000
Number of executed work orders	N/A	103	75	75	75
Number of preventative maintenance inspections performed on pump	N/A	N/A	1,700	1,700	1,800
Number of structures cleaned	6,420	3,670	3,500	3,500	3,500
Number of structures repaired	175	166	150	150	150

STORM WATER MANAGEMENT

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

Adjustments to Baseline Service Level Cost:

	FY 2024	FTE
Remove one-time funds for equipment for positions	**(130,000)**	**0.0**
Technical adjustment to remove one-time funds provided in FY 2023 for operations and maintenance. Funds were used to purchase equipment for an additional position.		
Remove one-time funds for Storm Water Operations equipment	**(180,000)**	**0.0**
Technical adjustment to remove one-time funds provided in FY 2023 for an excavator to assist with year round maintenance of storm water ponds and ditches.		
Provide operational funding for new pump stations	**145,000**	**0.0**
Technical adjustment to provide operational funds for the new pump stations and storm water infrastructure installed through the NDRC grant project. The funds provide support for contracted maintenance work, as well as other supplies needed for routine maintenance. The new pump stations and infrastructure will be operational during the calendar year 2022.		
Adjust required contribution to Virginia Retirement System	**103,747**	**0.0**
Technical adjustment for the annual required contribution to the Virginia Retirement System (VRS). The contribution rate for the city is 12.84 percent of eligible payroll in FY 2024. Costs are distributed to departments based on each department's VRS eligible payroll.		
Increase funds for security services	**3,128**	**0.0**
Technical adjustment to provide funds for contractual increases in security costs. Contractual costs are expected to increase by two percent.		
Update base program costs	**277,130**	**2.0**
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 1, 2023. 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	**219,005**	**2.0**

Adopted Service Level Changes:

No adopted Service Level changes.

Requested but Not Funded Service Level Changes:

	FY 2024	FTE
Provide funds to enhance operations and maintenance	**142,756**	**1.0**
Provide funds to create a new Utility Maintenance Mechanic II and provide one-time funds to purchase a utility truck. The position will perform maintenance work on the two new pump stations installed as a part of the Chesterfield Heights project and will perform maintenance on other storm water infrastructure as needed.		
Total	**142,756**	**1.0**

STORM WATER MANAGEMENT

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

Expenditure Summary

	FY 2023 Adopted	FY 2024 Adopted
Personnel Services	2,781,864	3,186,503
Materials, Supplies, and Repairs	1,581,710	1,252,848
Contractual Services	300,874	305,102
Equipment	496,500	635,500
Total	**5,160,948**	**5,379,953**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2023 Adopted	FTE Change	FY 2024 Adopted
Crew Leader I	1 09	$40,362	$65,790	8.0	1.0	9.0
Electrician II	1 10	$41,187	$67,135	1.0	0.0	1.0
Equipment Operator II	1 07	$39,837	$64,934	6.0	1.0	7.0
Equipment Operator III	1 08	$40,100	$65,362	5.0	0.0	5.0
Equipment Operator IV	1 09	$40,362	$65,790	1.0	0.0	1.0
Maintenance Mechanic II	1 08	$40,100	$65,362	1.0	(1.0)	0.0
Maintenance Worker I	1 05	$39,312	$64,079	12.0	0.0	12.0
Maintenance Worker II	1 06	$39,575	$64,506	6.0	0.0	6.0
Storm Water Operations Manager	1 15	$62,122	$101,571	0.0	1.0	1.0
Utility Maintenance Mechanic I	1 07	$39,837	$64,934	1.0	0.0	1.0
Utility Maintenance Mechanic II	1 09	$40,362	$65,790	4.0	0.0	4.0
Utility Maintenance Supervisor	1 11	$45,013	$73,453	3.0	0.0	3.0
Utility Maintenance Supervisor, Senior	1 13	$52,755	$86,020	2.0	0.0	2.0
Total				**50.0**	**2.0**	**52.0**

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 2021 Actual	FY 2022 Actual	FY 2023 Projection	FY 2024 Adopted	Metric
Number of miles of curbline swept	36,175	36,300	36,000	36,000	36,000
Number of tons of material/debris collected from sweeping operations	5,506	4,500	4,000	5,000	4,000

Adjustments to Baseline Service Level Cost:

	FY 2024	FTE
Adjust required contribution to Virginia Retirement System	**54,722**	**0.0**
Technical adjustment for the annual required contribution to the Virginia Retirement System (VRS). The contribution rate for the city is 12.84 percent of eligible payroll in FY 2024. Costs are distributed to departments based on each department's VRS eligible payroll.		
Update base program costs	**658,836**	**(1.0)**
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 1, 2023. 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	**713,558**	**(1.0)**

STORM WATER MANAGEMENT

Program: **Street Sweeping**

Adopted Service Level Changes:

	FY 2024	FTE
Provide one-time funds to purchase street sweeping equipment	**260,000**	**0.0**
Provide one-time funds to purchase a large Street Sweeper. The additional street sweeper will help the department to meet the city's street sweeping schedule of sweeping each route once a month during the fall and will help the city meet its water quality environmental mandates that are related to storm water and debris run off.		
Provide funds to enhance street sweeping	**231,628**	**1.0**
Provide funds for a Equipment Operator III and provide one-time funds for a leaf vacuum truck. The vacuum truck and operator will allow for more timely street sweeping, ditch maintenance and will reduce the amount of leaves on the roadside that cause extensive wear and tear on the city's fleet of street sweepers.		
Total	**491,628**	**1.0**

Requested but Not Funded Service Level Changes:

No requested but not funded Service Level changes.

Expenditure Summary

	FY 2023 Adopted	FY 2024 Adopted
Personnel Services	1,574,861	1,769,193
Materials, Supplies, and Repairs	758,985	805,329
Contractual Services	287,535	287,535
Equipment	790,990	1,755,500
Total	**3,412,371**	**4,617,557**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2023 Adopted	FTE Change	FY 2024 Adopted
Automotive Service Attendant	1 08	$40,100	$65,362	1.0	(1.0)	0.0
Crew Leader I	1 09	$40,362	$65,790	1.0	0.0	1.0
Equipment Operator II	1 07	$39,837	$64,934	6.0	(1.0)	5.0
Equipment Operator III	1 08	$40,100	$65,362	12.0	(11.0)	1.0
Maintenance Mechanic II	1 08	$40,100	$65,362	0.0	1.0	1.0
Maintenance Worker I	1 05	$39,312	$64,079	4.0	0.0	4.0
Storm Water Assistant Superintendent	1 14	$57,385	$94,914	1.0	0.0	1.0
Sweeper Operator I	1 08	$40,100	$65,362	0.0	6.0	6.0
Sweeper Operator II	1 09	$40,362	$65,790	0.0	1.0	1.0
Sweeper Operator Supervisor	1 12	$48,912	$79,765	0.0	1.0	1.0
Sweeper Operator, Lead	1 10	$41,187	$67,135	0.0	4.0	4.0
Utility Maintenance Mechanic I	1 07	$39,837	$64,934	0.0	1.0	1.0
Utility Maintenance Supervisor	1 11	$45,013	$73,453	2.0	(1.0)	1.0
Total				**27.0**	**0.0**	**27.0**

Environmental Sustainability



CONDUCT OUTFALL MAINTENANCE AND DREDGING

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4300

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address
Citywide

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	4,650,000

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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	2,650,000	500,000	500,000	500,000	500,000	4,650,000
FY 2023 Adopted	450,000	950,000	1,000,000	0	0	N/A	2,400,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	500,000	50,000	50,000	50,000	50,000	700,000
Construction/FFE	N/A	2,150,000	450,000	450,000	450,000	450,000	3,950,000
Total	N/A	2,650,000	500,000	500,000	500,000	500,000	4,650,000

Prior Capital Funding	1,850,000
FY 2024 Adopted	2,650,000
Capital Share Remaining	2,000,000
Project Total	6,500,000



CONDUCT SLIPLINING AND MAJOR REPAIRS TO EXISTING INFRASTRUCTURE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4298

Program Name
Construction, Design, and Engineering

Property Address
Citywide

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	3,800,000

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.

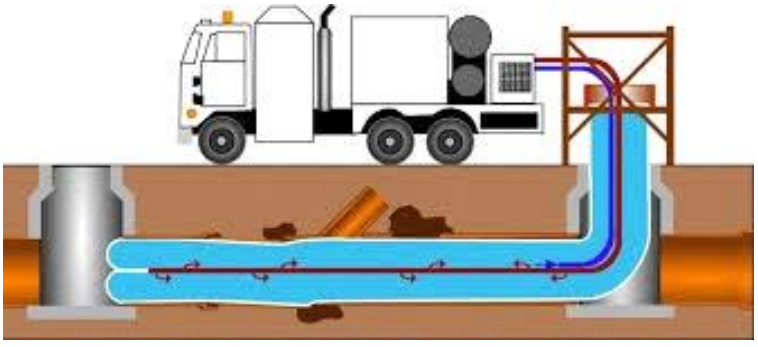
Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	700,000	700,000	700,000	750,000	950,000	3,800,000
FY 2023 Adopted	1,200,000	1,200,000	1,000,000	0	0	N/A	3,400,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	50,000	50,000	50,000	50,000	50,000	250,000
Construction/FFE	N/A	650,000	650,000	650,000	700,000	900,000	3,550,000
Total	N/A	700,000	700,000	700,000	750,000	950,000	3,800,000

Prior Capital Funding	3,400,000
FY 2024 Adopted	700,000
Capital Share Remaining	3,100,000
Project Total	7,200,000



IMPLEMENT FLOOD MITIGATION AT SYLVAN STREET AND WALNUT HILL STREET

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4382

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address

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

Funding Source

Source	Amount
Bonds	1,500,000

Project Description
Provide funds to implement flood mitigation measures for nuisance tidal flooding at Sylvan Street and Walnut Hill Street by constructing a berm to raise the grade elevation in the area.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	1,500,000	0	0	0	0	1,500,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	500,000	0	0	0	0	500,000
Construction/FFE	N/A	1,000,000	0	0	0	0	1,000,000
Total	N/A	1,500,000	0	0	0	0	1,500,000

Prior Capital Funding	0
FY 2024 Adopted	1,500,000
Capital Share Remaining	0
Project Total	1,500,000

IMPLEMENT POND RETROFITS CITYWIDE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4305

Program Name
Construction, Design, and Engineering

Property Address
Citywide

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	4,300,000

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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	800,000	500,000	1,000,000	1,000,000	1,000,000	4,300,000
FY 2023 Adopted	1,700,000	1,550,000	500,000	1,000,000	1,000,000	N/A	5,750,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	200,000	50,000	500,000	500,000	500,000	1,750,000
Construction/FFE	N/A	600,000	450,000	500,000	500,000	500,000	2,550,000
Total	N/A	800,000	500,000	1,000,000	1,000,000	1,000,000	4,300,000

Prior Capital Funding	5,040,000
FY 2024 Adopted	800,000
Capital Share Remaining	3,500,000
Project Total	9,340,000

IMPLEMENT SHORELINE RESTORATION

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4304

Program Name
Sand and Beach Nourishment

Property Address
Citywide

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	4,950,000

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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	450,000	750,000	1,250,000	1,250,000	1,250,000	4,950,000
FY 2023 Adopted	550,000	700,000	1,750,000	1,250,000	1,250,000	N/A	5,500,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	50,000	200,000	250,000	250,000	250,000	1,000,000
Construction/FFE	N/A	400,000	550,000	1,000,000	1,000,000	1,000,000	3,950,000
Total	N/A	450,000	750,000	1,250,000	1,250,000	1,250,000	4,950,000

Prior Capital Funding	1,710,000
FY 2024 Adopted	450,000
Capital Share Remaining	4,500,000
Project Total	6,660,000

IMPLEMENT THE GREEN INFRASTRUCTURE PLAN

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4306

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address
Citywide

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	500,000

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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	100,000	100,000	100,000	100,000	100,000	500,000
FY 2023 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	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	0	0	0	0	0	0
Construction/FFE	N/A	100,000	100,000	100,000	100,000	100,000	500,000
Total	N/A	100,000	100,000	100,000	100,000	100,000	500,000

Prior Capital Funding	300,000
FY 2024 Adopted	100,000
Capital Share Remaining	400,000
Project Total	800,000

IMPROVE LAKE WHITEHURST

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address

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

Funding Source

Source	Amount
Bonds	5,500,000

Project Description
Provide funds to to mitigate local flooding by improving storm water runoff and the water quality of Lake Whitehurst through infrstructure upgrades, as well as living shoreline and buffer upgrades.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	0	1,000,000	1,000,000	1,500,000	2,000,000	5,500,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	0	500,000	500,000	500,000	500,000	2,000,000
Construction/FFE	N/A	0	500,000	500,000	1,000,000	1,500,000	3,500,000
Total	N/A	0	1,000,000	1,000,000	1,500,000	2,000,000	5,500,000

Prior Capital Funding	0
FY 2024 Adopted	0
Capital Share Remaining	5,500,000
Project Total	5,500,000



IMPROVE STORM WATER WATERFRONT FACILITIES

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 3037

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	2,000,000

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

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	500,000	0	500,000	500,000	500,000	2,000,000
FY 2023 Adopted	0	500,000	500,000	500,000	500,000	N/A	2,000,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	50,000	0	50,000	50,000	50,000	200,000
Construction/FFE	N/A	450,000	0	450,000	450,000	450,000	1,800,000
Total	N/A	500,000	0	500,000	500,000	500,000	2,000,000

Prior Capital Funding	9,000,000
FY 2024 Adopted	500,000
Capital Share Remaining	1,500,000
Project Total	11,000,000



REHABILITATE PAGODA BASIN WATERFRONT AND PIERPOINTE WATERFRONT

Department
Public Works

Fund | **Account #**
General Capital | 4000 10 4381

Program Name
Construction, Design, and Engineering

Property Address

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

Funding Source

Source	Amount
Bonds	1,500,000

Project Description
Provide funds to repair sinkholes and various structures along the waterfront structures adjacent to the Pagoda Basin and at PierPointe Condominiums. Funding would also support underwater inspections of infrastructure in the area to determine the impact from nearby passing cruise ships.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	1,500,000	0	0	0	0	1,500,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	150,000	0	0	0	0	150,000
Construction/FFE	N/A	1,350,000	0	0	0	0	1,350,000
Total	N/A	1,500,000	0	0	0	0	1,500,000

Prior Capital Funding	0
FY 2024 Adopted	1,500,000
Capital Share Remaining	0
Project Total	1,500,000

RESTORE RIVERSIDE MEMORIAL PARK SHORELINE

Department
Public Works

Fund
General Capital

Account
4000 10 4384

Program Name
Grounds and Facility Maintenance

Property Address

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

Funding Source

Source	Amount
Bonds	2,000,000

Project Description
Provide funds to restore and stabilize the eroding bank at the Riverside Memorial Cemetery. Restoration will include various living shoreline techniques that will both restore and stabilize the area. The city has received grant funds from the Commonwealth's Department of Conservation and Recreation to support stabilizing the shoreline at the Riverside Memorial Cemetery.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	2,000,000	0	0	0	0	2,000,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	800,000	0	0	0	0	800,000
Construction/FFE	N/A	1,200,000	0	0	0	0	1,200,000
Total	N/A	2,000,000	0	0	0	0	2,000,000

Prior Capital Funding	0
FY 2024 Adopted	2,000,000
Capital Share Remaining	0
Project Total	2,000,000

Neighborhood Development



CONSTRUCT THE BLUE/GREENWAY IN ST. PAUL'S AREA

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4311

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address

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

Funding Source

Source	Amount
Cash	12,230,400
Bonds	19,300,000

Project Description
Provide funds to construct the Blue/Greenway in the St. Paul's Area. Funds will be used for the redevelopment of approximately 26 acres of public housing and other properties into an aesthetic open space designed to treat and store storm water runoff during storm events. This transformation will create a water eco-center comprised of parks, green spaces, and a dynamic living laboratory. This project is a new project that was previously planned under, “Improve Storm Water Infrastructure in St. Paul's Area."

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	17,215,200	14,315,200	0	0	0	31,530,400
FY 2023 Adopted	6,000,000	0	0	0	0	N/A	6,000,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	1,000,000	1,000,000	0	0	0	2,000,000
Construction/FFE	N/A	16,215,200	13,315,200	0	0	0	29,530,400
Total	N/A	17,215,200	14,315,200	0	0	0	31,530,400

Prior Capital Funding	12,800,000
FY 2024 Adopted	17,215,200
Capital Share Remaining	14,315,200
Project Total	44,330,400



IMPROVE 23RD STREET STREETSCAPES

Department
Public Works

Fund
General Capital

Account
4000 10 4350

Program Name
Construction, Design, and Engineering

Property Address

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

Funding Source

Source	Amount
Bonds	3,500,000

Project Description
Enhance pedestrian connections along and across 23rd Street to support the existing light industrial businesses and allow pedestrians to safely cross railroad tracks. The project includes significant storm water improvements, as well as a landscaped buffer between the pedestrian traffic and the active railway that will serve as green infrastructure to provide storm water drainage. This project received funding from ARPA in FY 2023.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	3,500,000	0	0	0	0	3,500,000
FY 2023 Adopted	3,000,000	0	0	0	0	N/A	3,000,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	500,000	0	0	0	0	500,000
Construction/FFE	N/A	3,000,000	0	0	0	0	3,000,000
Total	N/A	3,500,000	0	0	0	0	3,500,000

Prior Capital Funding	3,000,000
FY 2024 Adopted	3,500,000
Capital Share Remaining	0
Project Total	6,500,000

IMPROVE CITYWIDE DREDGING AND WATERWAYS

Department
Public Works

Fund | **Account #**
General Capital | 4000 10 3080

Program Name
Construction, Design, and Engineering

Property Address
Citywide

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

Funding Source

Source	Amount
Bonds	1,320,000

Project Description
Provide funds for the dredging and improvement of waterways and adjacent shorelines, including maintenance and replacement of navigational markers, as well as funds for underwater inspections of city infrastructure.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	0	0	0	660,000	660,000	1,320,000
FY 2023 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	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	0	0	0	50,000	50,000	100,000
Construction/FFE	N/A	0	0	0	610,000	610,000	1,220,000
Total	N/A	0	0	0	660,000	660,000	1,320,000

Prior Capital Funding	5,710,000
FY 2024 Adopted	0
Capital Share Remaining	1,320,000
Project Total	7,030,000



IMPROVE EAST OCEAN VIEW DRAINAGE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4308

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address
East Ocean View

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	7,000,000

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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	500,000	0	3,500,000	3,000,000	0	7,000,000
FY 2023 Adopted	2,700,000	3,100,000	2,000,000	2,000,000	0	N/A	9,800,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	100,000	0	500,000	500,000	0	1,100,000
Construction/FFE	N/A	400,000	0	3,000,000	2,500,000	0	5,900,000
Total	N/A	500,000	0	3,500,000	3,000,000	0	7,000,000

Prior Capital Funding	6,700,000
FY 2024 Adopted	500,000
Capital Share Remaining	6,500,000
Project Total	13,700,000



IMPROVE GLENROCK DRAINAGE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4309

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address
Glenrock

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	4,000,000

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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	1,000,000	0	2,000,000	1,000,000	0	4,000,000
FY 2023 Adopted	1,600,000	1,900,000	2,300,000	2,000,000	0	N/A	7,800,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	500,000	0	500,000	500,000	0	1,500,000
Construction/FFE	N/A	500,000	0	1,500,000	500,000	0	2,500,000
Total	N/A	1,000,000	0	2,000,000	1,000,000	0	4,000,000

Prior Capital Funding	4,000,000
FY 2024 Adopted	1,000,000
Capital Share Remaining	3,000,000
Project Total	8,000,000



IMPROVE GLENWOOD PARK DRAINAGE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4302

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address
Glenwood Park

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	7,450,000

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 issues through infrastructure improvements that will better mitigate flooding issues from precipitation and tidal flooding.

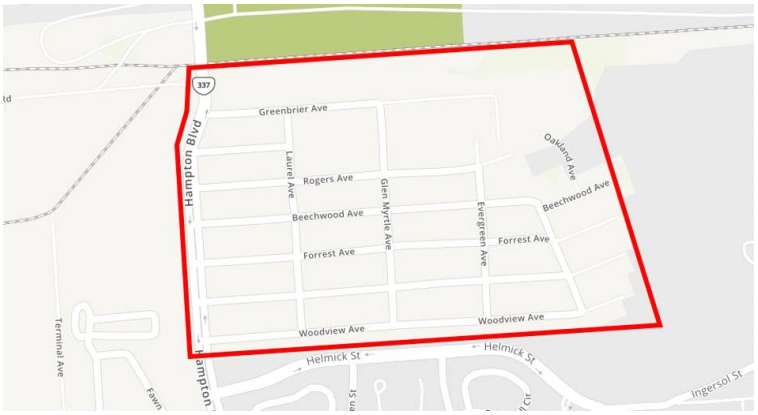
Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	1,500,000	750,000	3,000,000	2,200,000	0	7,450,000
FY 2023 Adopted	1,600,000	1,500,000	0	0	0	N/A	3,100,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	200,000	50,000	500,000	200,000	0	950,000
Construction/FFE	N/A	1,300,000	700,000	2,500,000	2,000,000	0	6,500,000
Total	N/A	1,500,000	750,000	3,000,000	2,200,000	0	7,450,000

Prior Capital Funding	4,000,000
FY 2024 Adopted	1,500,000
Capital Share Remaining	5,950,000
Project Total	11,450,000



IMPROVE NEIGHBORHOOD STREETS

Department
Public Works

Fund
General Capital

Account
4000 10 3031

Program Name
Street Repairs and Maintenance

Property Address
Citywide

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

Funding Source

Source	Amount
Bonds	2,750,000

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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	550,000	550,000	550,000	550,000	550,000	2,750,000
FY 2023 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	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	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	11,721,000
FY 2024 Adopted	550,000
Capital Share Remaining	2,200,000
Project Total	14,471,000



IMPROVE OVERBROOK/COLEMAN PLACE DRAINAGE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4301

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address
Overbrook/Coleman Place

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Cash	2,630,400
Bonds	1,500,000

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 including the management of storm water drainage associated with 10 year storm events. Funds will provide new inlets and large conduits to convey storm water to better mitigate issues caused by precipitation flooding.

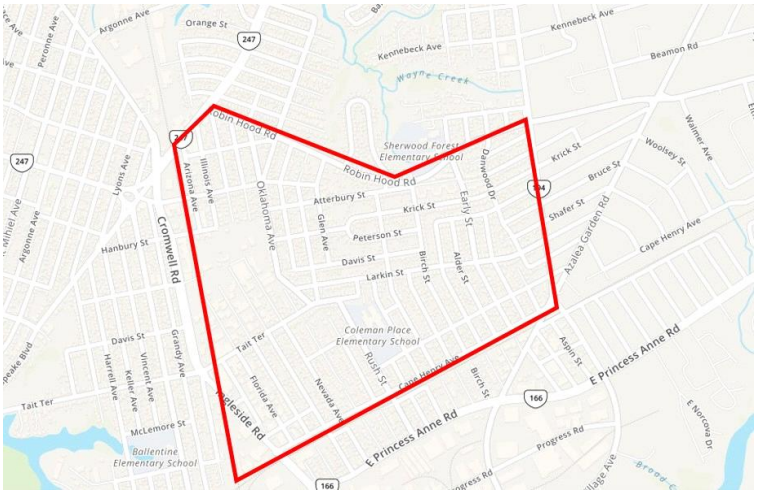
Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	500,000	0	1,315,200	2,315,200	0	4,130,400
FY 2023 Adopted	2,000,000	2,000,000	2,200,000	2,000,000	0	N/A	8,200,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	50,000	0	300,000	300,000	0	650,000
Construction/FFE	N/A	450,000	0	1,015,200	2,015,200	0	3,480,400
Total	N/A	500,000	0	1,315,200	2,315,200	0	4,130,400

Prior Capital Funding	6,000,000
FY 2024 Adopted	500,000
Capital Share Remaining	3,630,400
Project Total	10,130,400



IMPROVE PARK PLACE DRAINAGE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address
Park Place

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	7,500,000

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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	0	500,000	2,000,000	2,000,000	3,000,000	7,500,000
FY 2023 Adopted	0	2,000,000	1,950,000	2,000,000	2,050,000	N/A	8,000,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	0	200,000	500,000	500,000	500,000	1,700,000
Construction/FFE	N/A	0	300,000	1,500,000	1,500,000	2,500,000	5,800,000
Total	N/A	0	500,000	2,000,000	2,000,000	3,000,000	7,500,000

Prior Capital Funding	0
FY 2024 Adopted	0
Capital Share Remaining	7,500,000
Project Total	7,500,000



IMPROVE RICHMOND CRESCENT AND SURREY CRESCENT SHORELINE

Department
Public Works

Fund **Account #**
General Capital 4000 10 4376

Program Name
Construction, Design, and Engineering

Property Address

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	5,500,000

Project Description
Provide funds to replace failing bulkheads at Richmond Crescent and Surrey Crescent with living and rock shorelines to protect the roadways from rising tides and mitigate frequent nuisance flooding in the area. The project will also include expanding the existing living shoreline between Myrtle Park and Larchmont Library.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	500,000	5,000,000	0	0	0	5,500,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	500,000	500,000	0	0	0	1,000,000
Construction/FFE	N/A	0	4,500,000	0	0	0	4,500,000
Total	N/A	500,000	5,000,000	0	0	0	5,500,000

Prior Capital Funding	0
FY 2024 Adopted	500,000
Capital Share Remaining	5,000,000
Project Total	5,500,000

PERFORM PRETTY LAKE MAIN CHANNEL MAINTENANCE DREDGING

Department
Public Works

Fund **Account #**
General Capital 4000 10

Program Name
Construction, Design, and Engineering

Property Address

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	1,100,000

Project Description
Provide funds to perform maintenance dredging of the main channels in Pretty Lake. The navigational channels in Pretty Lake consist of ancillary channels in the lake branches which access the various residential areas, and are connected by main channels. This project would specifically target the main channels, but it would also accommodate private dredging in the ancillary channels. Existing navigational channels must be periodically re-dredged (typically every 10 to 15 years) to prevent shoaling from natural processes or from storms.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	0	0	0	1,100,000	0	1,100,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	0	0	0	100,000	0	100,000
Construction/FFE	N/A	0	0	0	1,000,000	0	1,000,000
Total	N/A	0	0	0	1,100,000	0	1,100,000

Prior Capital Funding	0
FY 2024 Adopted	0
Capital Share Remaining	1,100,000
Project Total	1,100,000

PROVIDE FUNDS FOR DREDGING OF LAFAYETTE RIVER

Department
Public Works

Fund
General Capital

Account
4000 10 4410

Program Name
Construction, Design, and Engineering

Property Address

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	3,810,000

Project Description
Funding providing for the dredging of specific locations within the Lafayette River. Locations being dredged in FY 2024 are Tanner's Creek NW, Crab Creek, River Point Neighborhood, Crab Creek Cove Neighborhood, and Talbot Hall Court Cove. Funding in FY 2025 is for South Blake Road Neighborhood, Blake Road, and Sir Oliver Drive Neighborhood.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	2,510,000	1,300,000	0	0	0	3,810,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	510,000	300,000	0	0	0	810,000
Construction/FFE	N/A	2,000,000	1,000,000	0	0	0	3,000,000
Total	N/A	2,510,000	1,300,000	0	0	0	3,810,000

Prior Capital Funding	0
FY 2024 Adopted	2,510,000
Capital Share Remaining	1,300,000
Project Total	3,810,000

REHABILITATE TIDEWATER DRIVE PUMP STATION

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35 4378

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address
Tidewater Drive

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	2,300,000

Project Description
Provide funds to rehabilitate the Tidewater Drive pump station. The project will increase pumping capacity of the station, raise electrical components, 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 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	300,000	0	2,000,000	0	0	2,300,000
FY 2023 Adopted	0	600,000	600,000	0	0	N/A	1,200,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	50,000	0	500,000	0	0	550,000
Construction/FFE	N/A	250,000	0	1,500,000	0	0	1,750,000
Total	N/A	300,000	0	2,000,000	0	0	2,300,000

Prior Capital Funding	0
FY 2024 Adopted	300,000
Capital Share Remaining	2,000,000
Project Total	2,300,000

Storm Water



CONSTRUCT A DOWNTOWN FLOOD WALL

Department
Executive

Fund
General Capital

Account #
4000 2 4361

Program Name
Coastal Resilience

Property Address

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Federal/State	214,314,400
Grant/Other	80,000,000
Cash	64,000,000
Bonds	70,314,400

Project Description

Project provides match funds to support phase I of the city's Coastal Storm Risk Management Project that was developed in partnership with the United States Army Corps of Engineers. Phase I includes improvements to the downtown floodwall, pumps, and levees that will protect the city's commercial core. Norfolk was awarded a grant of more than $24,000,000 from the state of Virginia. The project requires a 35% match from non-federal funds. Total project costs are estimated to be $2,660,000,000. Funds allocated in FY 2023 and FY 2024 were made possible through American Rescue Plan Act State and Local Fiscal Recovery Funding.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	56,628,800	93,000,000	93,000,000	93,000,000	93,000,000	428,628,800
FY 2023 Adopted	35,000,000	35,000,000	0	0	0	N/A	70,000,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	3,028,800	3,000,000	3,000,000	3,000,000	3,000,000	15,028,800
Construction/FFE	N/A	53,600,000	90,000,000	90,000,000	90,000,000	90,000,000	413,600,000
Total	N/A	56,628,800	93,000,000	93,000,000	93,000,000	93,000,000	428,628,800

Prior Capital Funding	35,000,000
FY 2024 Adopted	56,628,800
Capital Share Remaining	372,000,000
Project Total	463,628,800



IMPROVE BRUCE'S PARK DRAINAGE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	5,750,000

Project Description
Provide funds to add and improve storm water drainage infrastructure to collect and convey storm water runoff in in conjunction with the city's brownfield mitigation project that is preparing the area for potential new development.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	0	0	250,000	500,000	5,000,000	5,750,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	0	0	50,000	50,000	500,000	600,000
Construction/FFE	N/A	0	0	200,000	450,000	4,500,000	5,150,000
Total	N/A	0	0	250,000	500,000	5,000,000	5,750,000

Prior Capital Funding	0
FY 2024 Adopted	0
Capital Share Remaining	5,750,000
Project Total	5,750,000

IMPROVE CHESAPEAKE BOULEVARD DRAINAGE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address

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

Funding Source

Source	Amount
Bonds	6,000,000

Project Description
Construct storm water improvements between East Little Creek Road and Bayview Boulevard. The storm water improvements will reduce the incidence of standing water and minor flooding during thunderstorms and leverage streetscape improvements for the area.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	0	0	0	2,500,000	3,500,000	6,000,000
FY 2023 Adopted	0	0	0	0	2,500,000	N/A	2,500,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	0	0	0	250,000	500,000	750,000
Construction/FFE	N/A	0	0	0	2,250,000	3,000,000	5,250,000
Total	N/A	0	0	0	2,500,000	3,500,000	6,000,000

Prior Capital Funding	0
FY 2024 Adopted	0
Capital Share Remaining	6,000,000
Project Total	6,000,000

PROVIDE FUNDS FOR LOWERY ROAD DRAINAGE IMPROVEMENTS

Department
Storm Water Utility

Fund **Account #**
Storm Water Utility 2300 35 4406

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Bonds	1,000,000

Project Description
Provide funds for Lowery Road Drainage improvements.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	1,000,000	0	0	0	0	1,000,000
FY 2023 Adopted	0	0	0	0	0	N/A	0
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	500,000	0	0	0	0	500,000
Construction/FFE	N/A	500,000	0	0	0	0	500,000
Total	N/A	1,000,000	0	0	0	0	1,000,000

Prior Capital Funding	0
FY 2024 Adopted	1,000,000
Capital Share Remaining	0
Project Total	1,000,000

REHABILITATION OF THE TIDEWATER DRIVE DRAINAGE TRUNK LINE

Department
Storm Water Utility

Fund
Storm Water Utility

Account
2300 35

Program Name
Storm Water Infrastructure Operations and Maintenance

Property Address

Customers Served
Residents Business City Services
Educational Community Tourists/Visitors

Funding Source

Source	Amount
Cash	1,315,200

Project Description
Provide funds to clean and repair the Tidewater Drive trunk line pipe from Princess Anne Road to the Harbor Park concrete ditch system. The repairs would restore the system's storm water drainage carrying capacity.

Financial Summary

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
FY 2024 Adopted	N/A	0	0	0	0	1,315,200	1,315,200
FY 2023 Adopted	0	0	0	0	2,000,000	N/A	2,000,000
Estimated Operation Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	Total
Planning/Design/Other	N/A	0	0	0	0	300,000	300,000
Construction/FFE	N/A	0	0	0	0	1,015,200	1,015,200
Total	N/A	0	0	0	0	1,315,200	1,315,200

Prior Capital Funding	0
FY 2024 Adopted	0
Capital Share Remaining	1,315,200
Project Total	1,315,200

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
Pleasant Point Living Shoreline	Complete	Living Shoreline Construction	0.14	NA	NA	open tidal waters	34.84	16.32	26,524	High	$506,090
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
Granby Park Living Shoreline	Under Design	Living Shoreline Construction	0.05	NA	NA	open tidal waters	18.47	10.09	16474.41	High	$232,198
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 13, 2022

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

RE: VPDES Permit No. VA0088650
IR 305585

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that wash water entered into the gutter pan and ultimately the nearest catch basin at 1818 Monticello Ave. The description of the incident is as follows:

Stormwater staff was notified of pressure washing occurring at Cook-Out restaurant. Upon investigation by stormwater staff, the owner of Sessoms Pro Service was on site and immediately ceased pressure washing activity. A Notice of Violation was issued the owner of Sessoms Pro Service and education was provided on illicit discharges.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/11/2022 02:02:24 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:	**305585**
REPORT DATE:	**7/13/2022 1:47 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Pressure washing wash water**
LOCATION:	**Cook-Out Restaurant** **1818 Monticello Ave** **Norfolk, VA 23517**
RESPONSIBLE PARTY: **ADDRESS& PHONE:**	**Sessoms Pro Service** **1138 West Ocean View Ave** **Norfolk, VA 23503** **757-675-2384**
DATE OF DISCHARGE:	**7/11/2022 8:15:00 AM**
DATE/TIME REPORTED:	**7/11/2022 02:02:24 PM**
REPORTED TO DEQ/DCR BY:	**C. VanLear**
REPORTED TO:	**Online Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was notified of pressure washing occurring at Cook-Out restaurant. Upon investigation by stormwater staff, the owner of Sessoms Pro Service was on site and immediately ceased pressure washing activity.**
CORRECTIVE ACTION:	**Pressure washing ceased and a Notice of Violation was issued the owner of Sessoms Pro Service and education was provided on illicit discharges.**
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 VanLear — Signature

7/13/22 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

July 14, 2022

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

RE: VPDES Permit No. VA0088650
IR 305586

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of grease that was discovered on 7/11/2022 at 8:15:00 AM located at 1818 Monticello Ave. The description of the incident is as follows:

Stormwater was investigating a reported power washing issue on site, and noticed grease on the ground and in the storm drain on the property. Management of Cook-Out were notified and a Notice of Violation was issued to the General Manager. The catch basin has been vactored to remove the grease.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/11/2022 2:10:13 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:	**305586**
REPORT DATE:	**7/14/2022 2:02 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Grease**
LOCATION:	**ILLICIT DISCHARGE- 1818 Monticello Ave**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Cook-Out c/o Qiana Booth 1818 Monticello Ave Norfolk, VA 23517**
DATE OF DISCHARGE:	**7/11/2022 8:15:00 AM**
DATE/TIME REPORTED:	**7/11/2022 2:10:13 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Stormwater was investigating a reported power washing issue on site, and noticed grease on the ground and in the storm drain on the property.**
CORRECTIVE ACTION:	**Management of Cook-Out were notified and a Notice of Violation was issued to the General Manager. The catch basin has been vactored to remove the grease.**
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 7/14/22

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

July 15, 2022

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

RE: VPDES Permit No. VA0088650
IR 305658

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 10 gallons of greasy water was squeegeed into a storm drain on Tazewell St. The description of the incident is as follows:

On Wednesday (7/13/22) staff at a neighboring restaurant noticed staff from 255 Prime, a restaurant at 255 Granby St, taking out grease and dumping it into the dumpster causing heavy grease spillage. They then photographed staff using water and squeegeeing that grease down the drain at the end of the alley. The Storm Water office was notified by the FOG inspector around noon on Thursday. Upon investigation, the rain the night before had washed away all of the grease in the drain. There was still grease in the alley. An NOV was written and 255 Prime was required to clean up the remaining grease in the alley using absorbent by the end of the day. Upon reinspection at 10 am this morning (7/15) most of the grease had been removed and they were told to readdress a couple of spots. The FOG Inspector, Lindsay Dierks will continue to work with them on housekeeping issues and insure the complete remediation of grease.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/14/2022 03:21:04 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:	**305658**
REPORT DATE:	**7/15/2022 1:55 PM**
ESTIMATED QUANTITY:	**10 gallons**
TYPE OF DISCHARGE:	**Grease and water**
LOCATION:	**255 Granby St**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**CJ Upton (restaurant owner) 757-472-3060**
DATE OF DISCHARGE:	**7/13/2022 3:00:00 PM**
DATE/TIME REPORTED:	**7/14/2022 03:21:04 PM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**On Wednesday (7/13/22) staff at a neighboring restaurant noticed staff from 255 Prime, a restaurant at 255 Granby St, taking out grease and dumping it into the dumpster causing heavy grease spillage. They then photographed staff using water and squeegeeing that grease down the drain at the end of the alley.**
CORRECTIVE ACTION:	**Upon investigation, the rain the night before had washed away all of the grease in the drain. There was still grease in the alley. An NOV was written and 255 Prime was required to clean up the remaining grease in the alley using absorbent by the end of the day.**
IMPACT TO STATE WATERS:	**Smith 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 Date

THE CITY OF NORFOLK
PUBLIC WORKS

July 22, 2022

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

RE: VPDES Permit No. VA0088650
IR 305766

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 50 gallons of grease and water were spilled from the Cookout at 1818 Monticello into the gutter. The description of the incident is as follows:

Thursday 7/21 Stormwater Inspector Peter Mack discovered grease in the gutter of 19th St to Armistead Ave. The greasy water came from hood cleaning that morning at Cookout. He and one of their maintenance personnel worked to use mulch and sandbags to block further flow. Cookout used JCI Environmental to vacuum up the grease, water, and debris. Peter Mack was on-site for the remediation.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/21/2022 1:44:04 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:	**305766**
REPORT DATE:	**7/22/2022 2:45 PM**
ESTIMATED QUANTITY:	**50 gallons**
TYPE OF DISCHARGE:	**Grease wastewater**
LOCATION:	**1818 Monticello Ave (down 19th street into Armistead Ave)**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Kyle 336-906-6540**
DATE OF DISCHARGE:	**7/21/22 10:55:00 AM**
DATE/TIME REPORTED:	**7/21/2022 01:44:04 PM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Thursday 7/21 Stormwater Inspector Peter Mack discovered grease in the gutter of 19th St to Armistead Ave. The greasy water came from hood cleaning that morning at Cookout.**
CORRECTIVE ACTION:	**He and one of their maintenance personnel worked to use mulch and sandbags to block further flow. Cookout used JCI Environmental to vacuum up the grease, water, and debris. Peter Mack was on-site for the remediation.**
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 Date

THE CITY OF NORFOLK
PUBLIC WORKS

July 28, 2022

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

RE: VPDES Permit No. VA0088650
IR 305845

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a city waterline was damaged during fence installation at an active construction site which led to water and sediment entering a stormwater basin. The description of the incident is as follows:

During a routine construction site inspection, I came across the waterline that had been damaged during fence installation. A representative from National Fence Company had already contacted the city for an emergency repair before I arrived. City water along with sediment from the break was entering the stormwater basin. Inlet protection and sediment logs were used to contain the sediment during repair. The incident occurred at 11:45. A City of Norfolk Utilities crew arrived at 12:45. The repair was completed by 2:30 pm.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 7/27/2022 1:41:48 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:	**305845**
REPORT DATE:	**7/28/2022 7:30 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Damaged city water line discharging into stormdrain.**
LOCATION:	**1200 26th Street (corner of 26th and Hampton Boulevard)**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Thomas Baggette 804-539-6730, National Fence, rentnational.com**
DATE OF DISCHARGE:	**7/27/22 11:45:00 AM**
DATE/TIME REPORTED:	**7/27/2022 01:41:48 PM**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**A waterline had been damaged during fence installation. City water along with sediment had entered the storm drain. Quantity unknown.**
CORRECTIVE ACTION:	**Inlet protection was installed immediately at the stormdrain. A sediment log was installed nearest the break to allow the sediment to settle out. After repair, the sediment was removed from the street and gutter.**
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
Signature

7-28-2022
Date

THE CITY OF NORFOLK
PUBLIC WORKS

August 5, 2022

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

RE: VPDES Permit No. VA0088650
IR 305952

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that process wastewater was observed coming from Metal Concepts, Inc at 1075 W 35th Street. The description of the incident is as follows:

Stormwater staff observed an unknown discharge coming from the property located at 1075 W 35th Street. After further investigation and discussion with staff from Metal Concepts, the discharge was confirmed to be process wastewater from a wet saw being used on site. Stormwater staff instructed staff from Metal Concepts that material that was discharged needed to be removed from the gutter and street, as well as the nearest catch basin and pipe that it entered. Metal Concepts staff was also instructed to discontinue the use of the machine that was responsible for this illicit discharge. W L Black and Associates was hired and performed remediation of the wastewater.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/4/2022 at 7:40:30 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:	305952
REPORT DATE:	8/5/2022 1:57 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Process wastewater
LOCATION:	Metal Concepts, Inc 1075 W 35th Street Norfolk, VA 23508
RESPONSIBLE PARTY: ADDRESS& PHONE:	Laura 757-627-9101
DATE OF DISCHARGE:	8/3/22 09:00:00 AM
DATE/TIME REPORTED:	8/4/2022 07:40:30 AM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Stormwater staff observed an unknown discharge coming from the property located at 1075 W 35th Street. After further investigation and discussion with staff from Metal Concepts, the discharge was confirmed to be process wastewater from a wet saw being used on site. Stormwater staff instructed staff from Metal Concepts that material that was discharged needed to be removed from the gutter and street, as well as the nearest catch basin and pipe that it entered. Metal Concepts staff was also instructed to discontinue the use of the machine that was responsible for this illicit discharge.
CORRECTIVE ACTION:	W L Black and Associates was hired and performed remediation of the wastewater.
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

8/5/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

August 19, 2022

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

RE: VPDES Permit No. VA0088650
IR 306153

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 50 pounds of lime were spilled in the apron and right of way at 2700 Cromwell Road. The description of the incident is as follows:

Thursday around 11 AM stormwater staff discovered that lime had been put down in the apron of Dominion Energy's parking lot at 2700 Cromwell Road and was causing issues in the right of way. Blair Bros Contractors had put it down to prevent the tracking of tack. They were written an NOV for polluting the stormwater system and told to clean it up immediately. Blair Bros Contractors used their sweeper to sweep lime back on-site and out of the road and apron. They then milled over the affected parking lot area and disposed of the waste asphalt. There was still some tracking in the road so Stormwater sent a sweeper by to hit that area and remediate further.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/18/2022 12:40:25 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:	**306153**
REPORT DATE:	**8/19/2022 9:10 AM**
ESTIMATED QUANTITY:	**50 pounds**
TYPE OF DISCHARGE:	**lime**
LOCATION:	**2700 Cromwell Road**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Blair Bros Contractors (supervisor refused to give his name)** **757-538-1696**
DATE OF DISCHARGE:	**8/18/2022 11:00:00 AM**
DATE/TIME REPORTED:	**8/18/2022 12:40:25 PM**
REPORTED TO DEQ/DCR BY:	**M. White**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Thursday around 11 AM stormwater staff discovered that lime had been put down in the apron of Dominion Energy's parking lot at 2700 Cromwell Road and was causing issues in the right of way. Blair Bros Contractors had put it down to prevent the tracking of tack.**
CORRECTIVE ACTION:	**Blair Bros Contractors used their sweeper to sweep lime back on-site and out of the road and apron. They then milled over the affected parking lot area and disposed of the waste asphalt. There was still some tracking in the road so Stormwater sent a sweeper by to hit that area and remediate further**
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 Date

THE CITY OF NORFOLK
PUBLIC WORKS

August 29, 2022

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

RE: VPDES Permit No. VA0088650
IR 306256

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that approximately four 80-pound bags of concrete were dropped Northampton Blvd between USAA Drive and N Military Highway. The description of the incident is as follows:

Stormwater staff was contacted regarding concrete powder that had been spilled along Northampton Blvd between USAA Drive and N Military Highway. Staff estimated that it was approximately the equivalent of four 80-pound bags that had spilled onto the roadway. Staff responded with street sweepers to remove the powder from the street and crews to shovel any of the hardened concrete from the pavement. Crews worked diligently for three hours to ensure this spill was properly remediated. No storm drains were impacted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/26/2022 8:49:59 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:	**306256**
REPORT DATE:	**8/29/2022 1:39 PM**
ESTIMATED QUANTITY:	**Approximately 4 80lb bags**
TYPE OF DISCHARGE:	**Spill of 4 80lb bags of concrete**
LOCATION:	**Northampton Blvd between USAA Drive and N Military Highway**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Unknown**
DATE OF DISCHARGE:	**8/25/2022 3:15:00 PM**
DATE/TIME REPORTED:	**8/26/2022 8:49:59 AM**
REPORTED TO DEQ/DCR BY:	**C. VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was contacted regarding concrete powder that had been spilled along Northampton Blvd between USAA Drive and N Military Highway. Staff estimated that it was approximately the equivalent of four 80-pound bags that had spilled onto the roadway.**
CORRECTIVE ACTION:	**Staff responded with street sweepers to remove the powder from the street and crews to shovel any of the hardened concrete from the pavement. Crews worked diligently for three hours to ensure this spill was properly remediated. No storm drains were impacted.**
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.

Chris VanLear 8/29/22

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

September 06, 2022

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

RE: VPDES Permit No. VA0088650
IR 306339

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an unknown amount of sewage was discharged directly overboard from the restaurant Mack's Barge located at 4300 Colley Ave into the Knitting Mill Creek section of the Lafayette River. The description of the incident is as follows:

City staff was notified of what appeared to be human waste after hours on 8/31/2022 entering Knitting Mill Creek. NRC was notified and stormwater staff investigated on 9/1/2022. At first inspection around 7:15 am on 9/1/2022, stormwater staff visited the site and observed no visible sewage in the creek, discoloration of water or smell. Within two hours, we received another complaint and investigated and found raw sewage, a foul smell, and opaque water in Knitting Mill Creek. The inspectors performed a detergents test at two locations and the test results were high for detergents in both locations. Stormwater staff continued their investigation along with our City F.O.G inspector and found that Mack's Barge had a failure on the private side of their sanitary sewer system, and it was overflowing behind the restaurant and down the banks into the creek. City of Norfolk Utilities Department checked all the city lines in the area to ensure that there were no surcharges on the lines.

Once the inspectors approved the Manager Jason at Mack's Barge he admitted to knowing that there was an active sewage issue. A Notice of Violation was issued to Mack's Barge citing that the sewage discharge needed to be addressed immediately. Norm Grefe with the Norfolk Health Department visited the site as well and an emergency plumber was called to fix the issue. The break in the sewage line was corrected by the afternoon on 9/1/2022 and remediation efforts to remove contaminated soil had begun.

Stormwater staff met with Health Department and F.O.G. inspector on site on 9/2/2022 to verify that repairs were working, and no further discharge was occurring. VDH, DEQ, City of Norfolk F.O.G. and Stormwater held a conference call on 9/2 and discussed the best way to remediate the sewage in Knitting mill Creek was to allow it to breakdown with Natural UV light. Stormwater staff is still visiting this site to ensure no additional sewage issues occur in the area.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/1/2022 2:39:05 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:	306339
REPORT DATE:	9/6/2022 8:23 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	Mack's Barge 4300 Colley Ave
RESPONSIBLE PARTY: ADDRESS& PHONE:	Jeff Fout, Owner of Mack's Barge 4300 Colley Ave Norfolk, VA 23508 757-289-8989
	Jason-Manager 757-578-2103
DATE OF DISCHARGE:	8/31/2022 3:33:00 PM
DATE/TIME REPORTED:	9/1/2022 2:39:05 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO Prep

DESCRIPTION OF DISCHARGE:	**City staff was notified of what appeared to be human waste after hours on 8/31/2022 entering Knitting Mill Creek. NRC was notified and stormwater staff investigated on 9/1/2022. At first inspection around 7:15 am on 9/1/2022, stormwater staff visited the site and observed no visible sewage in the creek, discoloration of water or smell. Within two hours, we received another complaint and investigated and found raw sewage, a foul smell, and opaque water in Knitting Mill Creek. The inspectors performed a detergents test at two locations and the test results were high for detergents in both locations. Stormwater staff continued their investigation along with our City F.O.G inspector and found that Mack's Barge had a failure on the private side of their sanitary sewer system, and it was overflowing behind the restaurant and down the banks into the creek. City of Norfolk Utilities Department checked all the city lines in the area to ensure that there were no surcharges on the lines.**
CORRECTIVE ACTION:	**Once the inspectors approved the Manager Jason at Mack's Barge he admitted to knowing that there was an active sewage issue. A Notice of Violation was issued to Mack's Barge citing that the sewage discharge needed to be addressed immediately. Norm Grefe with the Norfolk Health Department visited the site as well and an emergency plumber was called to fix the issue. The break in the sewage line was corrected by the afternoon on 9/1/2022 and remediation efforts to remove contaminated soil had begun.** **Stormwater staff met with Health Department and F.O.G. inspector on site on 9/2/2022 to verify that repairs were working, and no further discharge was occurring. VDH, DEQ, City of Norfolk F.O.G. and Stormwater held a conference call on 9/2 and discussed the best way to remediate the sewage in Knitting mill Creek was to allow it to breakdown with Natural UV light. Stormwater staff is still visiting this site to ensure no additional sewage issues occur in the area.**
IMPACT TO STATE WATERS:	**Yes- Knitting Mill Creek/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

9/6/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

September 15, 2022

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

RE: VPDES Permit No. VA0088650
IR 306487

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a sanitary sewer overflow led to sewage entering a stormwater basin. The description of the incident is as follows:

Sanitary sewer overflow from cleanout at 331 E. Bay Blvd entered nearby storm drain on E. Bay Blvd. A Notice of Violation was issued to the property owner Mr. Alex Mamood of Ghazanfar and Sons Enterprise, LLC. A plumber was called to the site to break the grease clog on the private line. The City Utilities Department was notified to check the surrounding City lines to ensure that there was no blockage or clog on the City side. Sewage remediation of the ground was provided, as well as vactoring the impacted storm drain. City staff followed up on the following day and all work has been completed.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/13/2022 3:12:05 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:	306487
REPORT DATE:	9/15/2022 1:54 PM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sanitary sewer overflow
LOCATION:	331 E. Bay Blvd
RESPONSIBLE PARTY: ADDRESS& PHONE:	Ghazanfar and Sons Enterprise, LLC Alex Mamood 331 E. Bayview Blvd Norfolk, VA 757-892-0247
DATE OF DISCHARGE:	9/13/2022 2:09:00 PM
DATE/TIME REPORTED:	9/13/2022 03:12:05 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	Online Prep
DESCRIPTION OF DISCHARGE:	Sanitary sewer overflow from cleanout at 331 E. Bay Blvd entered nearby storm drain on E. Bay Blvd. A Notice of Violation was issued to the property owner Mr. Alex Mamood of Ghazanfar and Sons Enterprise, LLC.
CORRECTIVE ACTION:	A plumber was called to the site to break the grease clog on the private line. The City Utilities Department was notified to check the surrounding City lines to ensure that there was no blockage or clog on the City side. Sewage remediation of the ground was provided, as well as vactoring the impacted storm drain. City staff followed up on the following day and all work has been completed.
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

9/15/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

September 21, 2022

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

RE: VPDES Permit No. VA0088650
IR 306565

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an unknown amount of grease was power washed into the nearest storm drain at Rally's located at 1208 Monticello Ave. The description of the incident is as follows:

Stormwater staff was notified by the Fire Marshall's office of a grease spill on Tuesday (9/20/22) Staff investigated and spoke with the owners of Rally's, Wes and Colt, and found that the grease container had been serviced by DAR PRO on Tuesday morning when the employee of DAR PRO admitted to restaurant staff that they had spilled grease on the ground and left without cleaning up the spill. Employees of Rally's tried to remediate the grease spill by power washing the street and area impacted, which ultimately ended up in the storm drain. DAR PRO was contacted to provide spill remediation by the close of business. Stormwater staff remained on site to thoroughly explain that the grease needed to be removed from the street, as well as the two nearest catch basins and stormwater pipe. DAR PRO sent staff that used an absorbent on the roadway and a vactor truck to remove the grease in the catch basins and pipe. The owner of Rally's was educated on not using the power washing technique to remediate a spill and to educate staff on this.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/20/2022 03:18:22 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:	306565
REPORT DATE:	9/21/2022 10:32 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Grease and water
LOCATION:	1208 Monticello Ave
RESPONSIBLE PARTY: ADDRESS& PHONE:	DAR PRO Kyle Prezwell 16375 Doswell, VA 23047 804-876-3415
DATE OF DISCHARGE:	9/20/2022 9:49:00 AM
DATE/TIME REPORTED:	9/20/2022 03:18:22 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by the Fire Marshall's office of a grease spill on Tuesday (9/20/22) Staff investigated and spoke with the owners of Rally's, Wes and Colt, and found that the grease container had been serviced by DAR PRO on Tuesday morning when the employee of DAR PRO admitted to restaurant staff that they had spilled grease on the ground and left without cleaning up the spill. Employees of Rally's tried to remediate the grease spill by power washing the street and area impacted, which ultimately ended up in the storm drain.
CORRECTIVE ACTION:	DAR PRO was contacted to provide spill remediation by the close of business. Stormwater staff remained on site to thoroughly explain that the grease needed to be removed from the street, as well as the two nearest catch basins and stormwater pipe. DAR PRO sent staff that used an absorbent on the roadway and a vactor truck to remove the grease in the catch basins and pipe. The owner of Rally's was educated on not using the power washing technique to remediate a spill and to educate staff on this.
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

9/21/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

September 22, 2022

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

RE: VPDES Permit No. VA0088650
IR#306551

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 9/19/2022 at approximately 12:15pm into the downtown storm water pump station at 199 Boush Street. The description of the incident is as follows:

Storm water pump station staff notified environmental staff of discolored water entering the pump station on 9/19/2022 at 12:15pm. Environmental staff investigated the site, and gray/opaque water was found in the wet well of the pump station. Detergent testing was conducted and the results were positive. A possible surcharge was found in a nearby sanitary sewer manhole, and the City's Utilities department was notified. They dispatched a crew to investigate and check the area. The problem was corrected and the pump station was clear as of 7:30am on 9/20/2022. An unknown amount of sewage entered the Elizabeth River.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/18/2022 at 2:18pm.

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

Sincerely,

Casey Magruder

Casey Magruder
Environmental Programs manager

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**306551**
REPORT DATE:	**9/22/2022 10:30am**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**199 Boush Street – Downtown Storm Water Pump Station**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Department of Utilities**
DATE OF DISCHARGE:	**9/19/2022 at 12:15pm**
DATE/TIME REPORTED:	**9/19/2022 at 2:18pm**
REPORTED TO DEQ/DCR BY:	**Casey Magruder**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Storm water pump station staff notified environmental staff of discolored water entering the pump station on 9/19/2022 at 12:15pm. Environmental staff investigated the site, and gray/opaque water was found in the wet well of the pump station. Detergent testing conducted and the results were positive. A possible surcharge was found in a nearby sanitary sewer manhole.**
CORRECTIVE ACTION:	**City's Utilities department was notified. They dispatched a crew to investigate and check the area. The problem was corrected and the pump station was clear as of 7:30am on 9/20/2022.**
IMPACT TO STATE WATERS:	**Yes - Elizabeth 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.

Casey Magruder
Signature

9/22/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

October 12, 2022

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

RE: VPDES Permit No. VA0088650
IR#306761

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of city water due to a water line break on 10/7/2022 at approximately 2:30 pm into a city owned BMP at Lafayette Park. The description of the incident is as follows:

During a routine construction inspection, City staff noticed water draining down the parking lot of Lafayette Park on Live Oak Avenue. This water was coming from a water line that had been damaged by a felled tree and was discharging into a city owned BMP located in Lafayette Park. The City of Norfolk Public Utilities Department and General Services were notified. The water line was repaired on the morning of 10/12/2022. The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 10/7/2022 at 3:30 pm.

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

Sincerely,

Audrey Doan

Audrey Doan
Environmental Specialist II

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**306761**
REPORT DATE:	**10/12/2022 2:30 pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**City drinking water**
LOCATION:	**Live Oak Avenue/Parking Lot of Lafayette Park**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Department of General Services**
DATE OF DISCHARGE:	**10/7/2022 2:30 pm**
DATE/TIME REPORTED:	**10/7/2022 3:30 pm**
REPORTED TO DEQ/DCR BY:	**Audrey Doan**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**During a routine construction site inspection, City staff noticed water draining down the parking lot of Lafayette Park on Live Oak Avenue. This water was coming from a water line that had been damaged by a felled tree and was discharging into a city owned BMP located in Lafayette Park. City Public Utilities and General Services was notified.**
CORRECTIVE ACTION:	**The water line was repaired on the morning of 10/12/2022.**
IMPACT TO STATE WATERS:	**Yes – 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.

Audrey Doan
Signature

10-12-2022
Date

THE CITY OF NORFOLK
PUBLIC WORKS

November 14, 2022

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

RE: VPDES Permit No. VA0088650
IR 307087

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that approximately 50-60 gallons of dredged river spoils were dropped in the 2100 block of E. Indian River Road. The description of the incident is as follows:

Stormwater staff observed dredged spoils that had been dropped on E. Indian River Road. It appeared to be approximately 50-60 pounds of material. Inlet Construction was dredging the nearby water and dropped spoils as they were leaving the site. The stormwater inspector spoke with staff from Inlet Construction, and they were notified to clean up the spill. Stormwater staff re-inspected, and all material has been removed. No storm drains were impacted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/7/2022 3:06:06 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:	**307087**
REPORT DATE:	**11/14/2022 1:34 PM**
ESTIMATED QUANTITY:	**Approximately 50- 60lbs of dredging spoil**
TYPE OF DISCHARGE:	**Dredging spoils**
LOCATION:	**2100 block of E Indian River Road**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Inlet Construction 2117 E Indian River Road Norfolk, VA 23523**
DATE OF DISCHARGE:	**11/7/2022 2:22:00 PM**
DATE/TIME REPORTED:	**11/7/2022 3:06:06 PM**
REPORTED TO DEQ/DCR BY:	**C. VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater staff observed dredged spoils that had been dropped on E. Indian River Road. It appeared to be approximately 50-60 pounds of material. Inlet Construction was dredging the nearby water and dropped spoils as they were leaving the site.**
CORRECTIVE ACTION:	**The stormwater inspector spoke with staff from Inlet Construction, and they were notified to clean up the spill. Stormwater staff re-inspected, and all material has been removed. No storm drains were impacted.**
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.

Chrisi VanDear — Signature

11/14/22 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

November 17, 2022

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

RE: VPDES Permit No. VA0088650
IR 307203

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that roughly 20-30 gallons of Diesel fuel entered a storm drain located at Sentara Leigh Hospital, 830 Kempsville Road. The description of the incident is as follows:

Joel Pitts with Sentara reported a diesel fuel release onto the ground that traveled into the adjacent storm drain. Per Mr. Pitts description a portable light owned by a contractor working at the hospital leaked the fuel. W L Black was contracted to provide spill remediation by Sentara. The storm drains were cleaned out with absorbent pads and buoys, and absorbent material was used in the parking lot. This spill was on private property and did not enter the City's MS4.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/17/2022 09:18:00 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:	**305658**
REPORT DATE:	**11/17/2022 1:56 PM**
ESTIMATED QUANTITY:	**20-30 gallons**
TYPE OF DISCHARGE:	**Diesel fuel**
LOCATION:	**830 Kempsville Road**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Sentara Leigh Hospital Joel Pitts 830 Kempsville Road Norfolk, VA 23502**
DATE OF DISCHARGE:	**11/17/2022 3:11:00 AM**
DATE/TIME REPORTED:	**11/17/2022 09:18:00 AM**
REPORTED TO DEQ/DCR BY:	**Reported by Patrick Regan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Joel Pitts with Sentara reported a diesel fuel release onto the ground that traveled into the adjacent storm drain. Per Mr. Pitts description a portable light owned by a contractor working at the hospital leaked the fuel.**
CORRECTIVE ACTION:	**W L Black was contracted to provide spill remediation by Sentara. The storm drains were cleaned out with absorbent pads and buoys, and absorbent material was used in the parking lot. This spill was on private property and did not enter the City's MS4.**
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

11/17/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

December 1, 2022

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

RE: VPDES Permit No. VA0088650
IR 307306

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was in illicit discharge of oily wash water on 11/28/2022 at approximately 8:00:00 PM located at 320 Granby Street, known as Chicho's Backstage. The description of the incident is as follows:

Stormwater staff was notified by Lindsay Dierks, the FOG Supervisor that the restaurant Chicho's Backstage had an unknown film/small amount of fluid present. Upon further investigation staff was able to trace the source to Chicho's and staff at Chicho's admitted that they had their restaurant hoods cleaned the night before. The company that was responsible for the cleaning, Pristine Cleaning Services, returned immediately to Chicho's upon learning of the violation and provided spill remediation. Mr. Chapman from Pristine Cleaning Services provided a clean up plan to stormwater staff and supplied photo documentation of the clean-up.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/29/2022 2:32:03 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:	30736
REPORT DATE:	12/01/2022 2:46 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Oily wash water
LOCATION:	ILLICIT DISCHARGE- 320 Granby Street
RESPONSIBLE PARTY: ADDRESS& PHONE:	Pristine Cleaning Services Attn: Derek Chapman PristineCleaningServices757@gmail.com 757-287-8917
DATE OF DISCHARGE:	11/28/2022 8:00:00 PM
DATE/TIME REPORTED:	11/29/2022 2:32:03 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO PREP
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by Lindsay Dierks, the FOG Supervisor that the restaurant Chicho's Backstage had an unknown film/small amount of fluid present. Upon further investigation staff was able to trace the source to Chicho's and staff at Chicho's admitted that they had their restaurant hoods cleaned the night before.
CORRECTIVE ACTION:	The company that was responsible for the cleaning, Pristine Cleaning Services, returned immediately to Chicho's upon learning of the violation and provided spill remediation. Mr. Chapman from Pristine Cleaning Services provided a clean up plan to stormwater staff and supplied photo documentation of the clean-up.
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

12/1/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

January 9, 2023

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

RE: VPDES Permit No. VA0088650
IR 307745

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that approximately 10 gallons of animal sludge was dumped into a storm drain located at 6843 Orangewood Ave. The description of the incident is as follows:

City staff was notified by video documentation of a resident that resides at 6837 Orangewood Drive emptying 2 five-gallon buckets into the nearest storm drain. Stormwater inspectors and the Fire Marshall's Office investigated and spoke with the property owner, Thomas Sewell. Per Mr. Sewell, water and animal remnants were the items disposed of down the drain because Mr. Sewell is a taxidermist. When the stormwater inspectors investigated, there was no evidence of animal sludge in the storm drain in concern or the next few structures downstream.

Stormwater staff issued a Notice of Violation to Mr. Sewell for pollution of the stormwater system, as well as educated him on illicit discharges. The Fire Marshall's Office was also n on site and issued violations for multiple issues as well.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 1/6/2023 03:30:38 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:	307745
REPORT DATE:	01/09/2023 10:03 AM
ESTIMATED QUANTITY:	10 gallons
TYPE OF DISCHARGE:	Animal sludge
LOCATION:	6843 Orangewood Ave
RESPONSIBLE PARTY: ADDRESS& PHONE:	Thomas Sewell 6843 Orangewood Ave Norfolk, VA 23513
DATE OF DISCHARGE:	01/06/2023 12:22:00 PM
DATE/TIME REPORTED:	01/06/2023 03:30:38 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	City staff was notified by video documentation of a resident that resides at 6837 Orangewood Drive emptying 2 five-gallon buckets into the nearest storm drain. Stormwater inspectors and the Fire Marshall's Office investigated and spoke with the property owner, Thomas Sewell. Per Mr. Sewell, water and animal remnants were the items disposed of down the drain because Mr. Sewell is a taxidermist. When the stormwater inspectors investigated, there was no evidence of animal sludge in the storm drain in concern or the next few structures downstream.
CORRECTIVE ACTION:	Stormwater staff issued a Notice of Violation to Mr. Sewell for pollution of the stormwater system, as well as educated him on illicit discharges. The Fire Marshall's Office was also n on site and issued violations for multiple issues as well.
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

1/9/23
Date

THE CITY OF NORFOLK
PUBLIC WORKS

January 13, 2023

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

RE: VPDES Permit No. VA0088650
IR 307814

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an unknown quantity of water was decanted into a stormwater ditch located behind 889 Poplar Hall Drive. The description of the incident is as follows:

City staff was notified by Lindsay Dierks, FOG Supervisor, of a vehicle decanting into a stormwater ditch. Upon further investigation, the ditch in question was clogged causing the decanted water not to be able to travel. A Notice of Violation was issued to MDM Septic Services. MDM returned to provide remediation of the decanted material, as well as clean the pipe of the ditch. Stormwater staff followed up and verified that the ditch and pipe were cleaned.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 1/11/2023 06:46:47 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:	**307814**
REPORT DATE:	**01/13/2023 2:46 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Decanted water/sediment**
LOCATION:	**889 Poplar Hall Drive**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**MDM Septic Services C/O John Lewis-Project Manager 1400 Campbells Landing Road Norfolk, VA 23457 757-407-4166**
DATE OF DISCHARGE:	**01/10/2023 11:00:00 AM**
DATE/TIME REPORTED:	**01/11/2023 06:46:47 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**City staff was notified by Lindsay Dierks, FOG Supervisor, of a vehicle decanting into a stormwater ditch. Upon further investigation, the ditch in question was clogged causing the decanted water not to be able to travel**
CORRECTIVE ACTION:	**A Notice of Violation was issued to MDM Septic Services. MDM returned to provide remediation of the decanted material, as well as clean the pipe of the ditch. Stormwater staff followed up and verified that the ditch and pipe were cleaned.**
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

1/13/22
Date

THE CITY OF NORFOLK
PUBLIC WORKS

January 19, 2023

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

RE: VPDES Permit No. VA0088650
IR 307875

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an unknown quantity of sewage that entered our stormwater system and exited via an outfall located at 8166 Shore Drive. The description of the incident is as follows:

City staff was notified by Patrick Regan from DEQ of potential sanitary sewer entering our stormwater system. City stormwater staff investigated and found that a city sanitary sewer line along Shore Drive was surcharged causing the sewage to infiltrate the stormwater system. City of Norfolk Utilities was able to break the clog, allowing for the sanitary system to function. Stormwater staff revisited the outfall located at 8166 Shore Drive the following day and no illicit discharge was detected.

The enclosed documents outline the relevant information. The discharge was reported to the City of Norfolk by the DEQ Tidewater Regional Office on 1/17/2023 01:04:00 PM.

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

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

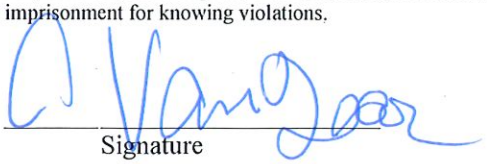
Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**307875**
REPORT DATE:	**01/19/2023 2:52 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**8166 Shore Drive**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Utilities C/O David Speer 1316 Ballentine Blvd Norfolk, VA 23504 757-823-1023**
DATE OF DISCHARGE:	**01/17/2023 01:04:00 PM**
DATE/TIME REPORTED:	**01/17/2023 01:04:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear/ P. Regan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**City staff was notified by Patrick Regan from DEQ of potential sanitary sewer entering our stormwater system. City stormwater staff investigated and found that a city sanitary sewer line along Shore Drive was surcharged causing the sewage to infiltrate the stormwater system**
CORRECTIVE ACTION:	**City of Norfolk Utilities was able to break the clog, allowing for the sanitary system to function. Stormwater staff revisited the outfall located at 8166 Shore Drive the following day and no illicit discharge was detected.**
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

1/19/23

Date

Pollution Investigation Report

Investigation Summary

IR#: 307875
Region: Tidewater
Report Date: 01/17/2023
Assigned To: Patrick Regan
Program: PREP
Status: Under Investigation
HMVA #:
NRC #:
EPA #:
SSORS #:

Site Name: Potential Sewage Contamination in Stormdrains - 8166 Shore Drive
Address: 8166 Shore Drive, Norfolk, VA 23518
Location Description: Morningstar Marina at Little Creek
RP Contact: Unknown
RP#s:
RP Email:
On-Scene Contact:
On-Scene Contact#:

Incident Details

Incident Date: 1/17/2023
Incident Description: Storm water catch basin leading to the Chesapeake Bay has indications of sewer contamination. Opened the city manholes adjacent t that storm drain and they were full of sewer (the manhole covers were marked sewer). Instructed the marina to contact the city immediately to test contents and plug the line to stop further potential discharge.

Materials Information

Material Name	Low Range	High Range	Units
SEWAGE	-1	1	Gallons

Receptor Information

Impacted/Threatened Water Body: Yes
Water Body Name: Chesapeake Bay **Status:**

Amount to Water	Low Range	High Range	Units

Other Receptor Information:

Investigation Notes

Notifications

Local Government

Compliance Actions

Action	Issued Date

THE CITY OF NORFOLK
PUBLIC WORKS

January 27, 2023

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

RE: VPDES Permit No. VA0088650
IR 307990

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that approximately 15 gallons of groundwater and sludge from a crawl space were pumped into the gutter pan at 8961 Tidewater Drive. The description of the incident is as follows:

A stormwater inspector found a resident who was pumping groundwater and sludge from their crawl space. Staff did a thorough investigation and conducted testing to determine that this was groundwater with a heavy presence of sediment/sludge. The nearest catch basin had a clog, so the groundwater and sludge did not travel from that area. The gutter pan and catch basin were vactored out and the resident was issued a Notice of Violation. Stormwater staff stayed on site until clean up by City staff was complete.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 1/26/2023 03:00:34 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:	**307990**
REPORT DATE:	**01/27/2023 10:52 AM**
ESTIMATED QUANTITY:	**15 gallons**
TYPE OF DISCHARGE:	**Groundwater and sludge**
LOCATION:	**8961 Tidewater Drive**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Garcia Guerra 35 Dean Ray Court Newport News, VA 23605**
DATE OF DISCHARGE:	**01/25/2023 03:00:00 PM**
DATE/TIME REPORTED:	**01/26/2023 03:00:34 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO PReP**
DESCRIPTION OF DISCHARGE:	**A stormwater inspector found a resident who was pumping groundwater and sludge from their crawl space. Staff did a thorough investigation and conducted testing to determine that this was groundwater with a heavy presence of sediment/sludge. The nearest catch basin had a clog, so the groundwater and sludge did not travel from that area.**
CORRECTIVE ACTION:	**The gutter pan and catch basin were vactored out and the resident was issued a Notice of Violation. Stormwater staff stayed on site until clean up by City staff was complete.**
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 VanDear — Signature

1/27/23 — Date

February 2, 2023

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

RE: VPDES Permit No. VA0088650
IR 308025

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of diesel fuel on 1/30/2023 at 11:00 am into a storm drain located at 2233 McKann Ave. The description of the incident is as follows:

A City employee was fueling a vehicle and left the pump unattended. Approximately 5 gallons was spilled onto the asphalt at the fueling station. Spill response was provided with absorbent pads, booms, and absorbent materials to ensure the fuel was properly contained and remediation was provided. Street sweeping was provided to remove that contaminated absorbent. A berm was created upstream of the closet inlet to prevent any remnants from entering to the storm drain. A small amount, less than a quarter of a gallon, entered the storm drain downstream of the spill at the Operations Center, but was contained and absorbed with booms and absorbent pads. The booms in the storm drain were left to catch any residual runoff that occurred the next few days. Disciplinary action has been taken against the employee to include additional spill response training.

The enclosed documents outline the relevant information. The discharge was reported to the City of Norfolk by the DEQ Tidewater Regional Office on 1/30/2023 01:25:41 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:	308025
REPORT DATE:	02/02/2023 9:16 AM
ESTIMATED QUANTITY:	5 gallons
TYPE OF DISCHARGE:	Diesel Fuel
LOCATION:	City of Norfolk Public Works Operations 2233 McKann Ave Norfolk, VA 23509
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk Public Works Operations C/O Romaroe Scott 2233 McKann Ave Norfolk, VA 23509
DATE OF DISCHARGE:	01/30/2023 11:00:00 AM
DATE/TIME REPORTED:	01/30/2023 01:25:41 PM
REPORTED TO DEQ/DCR BY:	C.VanLear/
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	A City employee was fueling a vehicle and left the pump unattended. Approximately 5 gallons was spilled onto the asphalt at the fueling station.
CORRECTIVE ACTION:	Spill response was provided with absorbent pads, booms, and absorbent materials to ensure the fuel was properly contained and remediation was provided. Street sweeping was provided to remove that contaminated absorbent. A berm was created upstream of the closet inlet to prevent any remnants from entering to the storm drain. A small amount, less than a quarter of a gallon, entered the storm drain downstream of the spill at the Operations Center, but was contained and absorbed with booms and absorbent pads. The booms in the storm drain were left to catch any residual runoff that occurred the next few days. Disciplinary action has been taken against the employee to include additional spill response training.
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

2/2/23
Date

THE CITY OF NORFOLK
PUBLIC WORKS

February 2, 2023

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

RE: VPDES Permit No. VA0088650
IR 308053

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of acrylic paint on 02/01/2023 at 11:18 am into a storm drain located at 3016 Kimball Terrace. The description of the incident is as follows:

City staff was notified of a paint spill at the Grandy Village Gymnasium. Upon further investigation a contractor had left a 55-gallon drum of paint onsite to pain the basketball court and it was knocked over. Approximately 1 gallon entered the storm drain. Bay Environmental was contracted by MEB to provide remedial services. Paint was removed from the asphalt, as well as the storm drain was vactored.

The enclosed documents outline the relevant information. The discharge was reported to the City of Norfolk by the DEQ Tidewater Regional Office on 02/01/2023 12:56:55 PM.

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

Sincerely,

Chrisi VanLear
Environmental Program Supervisor

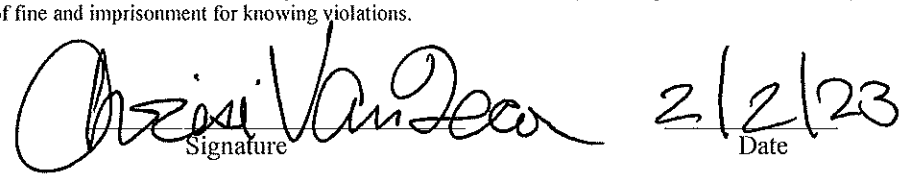
Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	308053
REPORT DATE:	02/02/2023 2:03 PM
ESTIMATED QUANTITY:	55 gallons on ground, 1 gallon in storm drain
TYPE OF DISCHARGE:	Acrylic paint
LOCATION:	Grandy Village Gymnasium 3016 Kimball Terrace Norfolk, VA 23504
RESPONSIBLE PARTY: ADDRESS& PHONE:	MEB Contractors Carl DeWald, Superintendent 4016 Holland Blvd Chesapeake, VA 23323 757-435-5208
DATE OF DISCHARGE:	02/01/2023 11:18:00 AM
DATE/TIME REPORTED:	02/01/2023 12:56:55 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	City staff was notified of a paint spill at the Grandy Village Gymnasium. Upon further investigation a contractor had left a 55-gallon drum of paint onsite to pain the basketball court and it was knocked over
CORRECTIVE ACTION:	Approximately 1 gallon entered the storm drain. Bay Environmental was contracted by MEB to provide remedial services. Paint was removed from the asphalt, as well as the storm drain was vactored.
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

2/2/23

Date

THE CITY OF NORFOLK
PUBLIC WORKS

February 9, 2023

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

RE: VPDES Permit No. VA0088650
IR 308096

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of diesel fuel on 02/05/2023 at 02:30 pm into a storm drain located at the Wawa at 975 E. Little Creek Road. The description of the incident is as follows:

The Fire Marshall's Office was notified of a gasoline spill from a vehicle that hit a gas pump. Norfolk Fire responded and placed absorbent pads and created a dam to block the storm drain. An unknown amount of gasoline did make it into the storm drain. Wawa contracted the Lewis Environmental Group (800-258-5585) to provide spill remediation. Stormwater staff is currently tracking down documentation from the spill response company for the report. No report was readily available once contacted, but stormwater staff did revisit the site on 02/06/2023 and all the fuel had been cleaned up.

The enclosed documents outline the relevant information. The discharge was reported to the City of Norfolk by the DEQ Tidewater Regional Office on 02/06/2023 09:06:36 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:	**308096**
REPORT DATE:	**02/09/2023 12:49 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Gasoline**
LOCATION:	**Wawa** **975 E. Little Creek Road** **Norfolk, VA 23518** **757-300-3517**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Wawa** **975 E. Little Creek Road** **Norfolk, VA 23518** **757-300-3517**
DATE OF DISCHARGE:	**02/05/2023 02:30:00 PM**
DATE/TIME REPORTED:	**02/06/2023 09:06:36 AM**
REPORTED TO DEQ/DCR BY:	**C. VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**The Fire Marshall's Office was notified of a gasoline spill from a vehicle that hit a gas pump. Norfolk Fire responded and placed absorbent pads and created a dam to block the storm drain. An unknown amount of gasoline did make it into the storm drain.**
CORRECTIVE ACTION:	**Wawa contracted the Lewis Environmental Group (800-258-5585) to provide spill remediation. Stormwater staff is currently tracking down documentation from the spill response company for the report. No report was readily available once contacted, but stormwater staff did revisit the site on 02/06/2023 and all the fuel had been cleaned up.**
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

2/9/23
Date

THE CITY OF NORFOLK
PUBLIC WORKS

February 17, 2023

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

RE: VPDES Permit No. VA0088650
IR 308231

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of pressure washing water on 02/16/2023 at 09:42 0m into a storm drain located at the Market Heights Apartments at 646 Tidewater Drive. The description of the incident is as follows:

An incident of pressure washing was noted at 646 Tidewater Drive, Norfolk, VA. Upon investigation, the landscaper was pressure washing (water only) the main entrance sidewalk and pavers. Debris generated from the pressure washing was entering the storm drain. The landscaper was asked to stop the process and was given instruction on how to contain the water and clean up afterwards.

The enclosed documents outline the relevant information. The discharge was reported to VADEQ Tidewater Regional Office on 02/17//2023 09:16 AM.

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

Sincerely,

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**308231**
REPORT DATE:	**02/17/2023 2:38 pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Debris laden pressure washing water**
LOCATION:	**Market Heights Apartments** **646 Tidewater Drive** **Norfolk, VA 23504**
RESPONSIBLE PARTY: **ADDRESS& PHONE:**	Schultz Landscapes Robert Munoz 804-586-4811
DATE OF DISCHARGE:	**02/16/2023 09:42:00 AM**
DATE/TIME REPORTED:	**02/17/2023 09:16:20 AM**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Debris laden water due to pressure washing sidewalk and pavers entered storm drain.**
CORRECTIVE ACTION:	**Landscaper stopped pressure washing and was given information on how to proceed with pressure washing and clean up.**
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

2-17-23
Date

THE CITY OF NORFOLK
PUBLIC WORKS

March 14, 2023

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

RE: VPDES Permit No. VA0088650
IR 308506

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that wash water was observed coming from Beach Auto Brokers at 3510 E. Little Creek Road. The description of the incident is as follows:

Stormwater staff was notified by Asst SW Engineer June Whitehurst that Beach Auto Brokers located at 3510 E Little Creek Road was washing vehicles and soapy wash water was leaving site and entering the nearest storm drain. A stormwater inspector was dispatched to investigate and once she arrived, the business was no longer actively washing vehicles. The inspector spoke to management at Beach Auto Brokers and discussed best practices for ensuring wash water does not leave the site and enter stormwater system.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 3/9/2023 at 3:05 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:	**308506**
REPORT DATE:	**3/14/2023 11:35 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Soapy wash water**
LOCATION:	**Beach Auto Brokers** **3510 E. Little Creek Road** **Norfolk, VA 23518**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Management** **Beach Auto Brokers** **3510 E. Little Creek Road** **Norfolk, VA 23518**
DATE OF DISCHARGE:	**3/9/2023 12:23 PM**
DATE/TIME REPORTED:	**3/9/2023 03:05:07 PM**
REPORTED TO DEQ/DCR BY:	**C. VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was notified by Asst SW Engineer June Whitehurst that Beach Auto Brokers located at 3510 E Little Creek Road was washing vehicles and soapy wash water was leaving site and entering the nearest storm drain. A stormwater inspector was dispatched to investigate and once she arrived, the business was no longer actively washing vehicles.**
CORRECTIVE ACTION:	**The inspector spoke to management at Beach Auto Brokers and discussed best practices for ensuring wash water does not leave the site and enter stormwater system.**
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.

Chrisi VanLear

_____ 3/14/2023

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

April 6, 2023

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

RE: VPDES Permit No. VA0088650
IR 308845

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that wash water was observed coming from Coastal Services at 805 Ford Drive. The description of the incident is as follows:

Stormwater staff was notified by Asst SW Engineer June Whitehurst that wash water was coming from Bay Disposal. Upon investigation by the stormwater inspector, it was found to be coming from Coastal Services. Staff admitted to pressure washing the outside of a 10,000 gallon tank. Coastal Services staff said that the interior of the tank had been remediated by Lyons Shipyard. Stormwater staff instructed the staff from Coastal Services to remove wash water in the gutter pan and the nearest catch basin. A vactor truck was used and all material was recovered.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 04/06/2023 at 10:16 AM.

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

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Program Supervisor

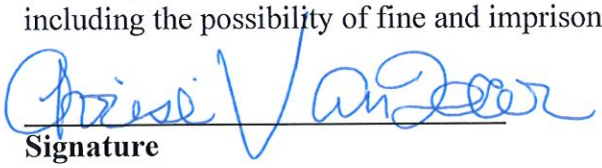
Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	308845
REPORT DATE:	04/06/2023 1:43 PM
ESTIMATED QUANTITY:	Less than 1 pint
TYPE OF DISCHARGE:	Wash water
LOCATION:	Coastal Services 805 Ford Drive Norfolk, VA 23523
RESPONSIBLE PARTY: ADDRESS& PHONE:	Clayton Eley, President Coastal Services 805 Ford Drive Norfolk, VA 23523
DATE OF DISCHARGE:	4/6/2023 09:00 AM
DATE/TIME REPORTED:	4/6/2023 10:16:46 AM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by Asst SW Engineer June Whitehurst that wash water was coming from Bay Disposal. Upon investigation by the stormwater inspector, it was found to be coming from Coastal Services. Staff admitted to pressure washing the outside of a 10,000 gallon tank. Coastal Services staff said that the interior of the tank had been remediated by Lyons Shipyard. .
CORRECTIVE ACTION:	Stormwater staff instructed the staff from Coastal Services to remove wash water in the gutter pan and the nearest catch basin. A vactor truck was used and all material was recovered.
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

4/20/23

Date

April 17, 2023

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

RE: VPDES Permit No. VA0088650
IR 308940

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a water main broke creating a large sediment plume at the intersection of 43rd Street and Monarch Way on April 13, 2023, at approximately 7:00 AM. The description of the incident is as follows:

Stormwater staff was notified by Sid Lowe, Water Distribution Superintendent, that a water main broke causing a large sediment plume into a nearby BMP and ending in the Lafayette River. Utilities staff worked to cut off the water main to ensure additional sediment was not released. Utilities staff worked over the weekend to repair the damaged bonnet on the water line. Public Works crews will work to remove sediment on the roadway and in the stormwater infrastructure.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 04/13/2023 at 02:42:19 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:	308940
REPORT DATE:	04/17/2023 2:23 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sediment
LOCATION:	43rd Street and Monarch Way
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk Utilities Sid Lowe-Water Distribution Superintendent 810 Union Street Suite 101 Norfolk, VA 23510
DATE OF DISCHARGE:	4/13/2023 07:00 AM
DATE/TIME REPORTED:	4/13/2023 02:42:19 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by Sid Lowe, Water Distribution Superintendent, that a water main broke causing a large sediment plume into a nearby BMP and ending in the Lafayette River. Utilities staff worked to cut off the water main to ensure additional sediment was not released.
CORRECTIVE ACTION:	Utilities staff worked over the weekend to repair the damaged bonnet on the water line.
IMPACT TO STATE WATERS:	Yes-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.

Chrissi VanDee

Signature

4/17/23

Date

THE CITY OF NORFOLK
PUBLIC WORKS

April 21, 2023

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

RE: VPDES Permit No. VA0088650
IR 309007

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a Waste Management truck had a coolant leak that went into the storm drain April 19, 2023, at approximately 8:00 AM. The description of the incident is as follows:

Stormwater staff was notified by Karen Cookson from Waste Management that truck number 3683 had a coolant leak that went into the storm drain. Stormwater staff investigated and found that Waste Management staff had placed booms at the catch basin and placed absorbent pads down. HEPACO was contacted to provide spill remediation on the ground and in the storm drain. Absorbent pads were used on the ground, while the catch basin was vactored out. The coolant was contained to one catch basin.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 04/19/2023 at 03:20:21 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:	309007
REPORT DATE:	04/21/2023 11:12 AM
ESTIMATED QUANTITY:	1 gallon
TYPE OF DISCHARGE:	Coolant
LOCATION:	9230 Grandy Street
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk Waste Management Karen Cookson-Assistant Superintendent 1176 Pineridge Road Norfolk, VA 23502
DATE OF DISCHARGE:	4/19/2023 08:00 AM
DATE/TIME REPORTED:	4/19/2023 03:20:21 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by Karen Cookson from Waste Management that truck number 3683 had a coolant leak that went into the storm drain. Stormwater staff investigated and found that Waste Management staff had placed booms at the catch basin and placed absorbent pads down.
CORRECTIVE ACTION:	HEPACO was contacted to provide spill remediation on the ground and in the storm drain. Absorbent pads were used on the ground, while the catch basin was vactored out. The coolant was contained to one catch basin.
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.

Chrisi Van Zoor 4/21/23

Signature **Date**

THE CITY OF NORFOLK
PUBLIC WORKS

May 1, 2023

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

RE: VPDES Permit No. VA0088650
IR 309104

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an unknown quantity of paint wash water leaked from a dumpster and entered the gutter pan and ultimately the closest storm drain on April 28, 2023, at 1:00 PM. The description of the incident is as follows:

Stormwater staff was notified by a resident that a "bright, white, milky color was going into the drain." Staff investigated and found that paint cans had been disposed of improperly in a dumpster that has numerous holes in the bottom. It also appeared that a painting machine had been cleaned out on nearby vegetation, and the significant amount of rain that came through caused the runoff to create an opaque tint to nearby water in the gutter pan. The discharge did impact the nearest storm drain. HEPACO provided spill remediation. The property owner was notified, and a Notice of Violation was issued.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 04/28/2023 at 02:44:21 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:	309104
REPORT DATE:	05/01/2023 01:02 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Paint runoff discharge
LOCATION:	211 W 31st Street
RESPONSIBLE PARTY: ADDRESS& PHONE:	Pro Home Builders Juan Aponte 757-295-6008 japonte@pro-homebuilders.com
DATE OF DISCHARGE:	4/28/2023 1:00 PM
DATE/TIME REPORTED:	4/28/2023 02:44:21 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by a resident that a "bright, white, milky color was going into the drain." Staff investigated and found that paint cans had been disposed of improperly in a dumpster that has numerous holes in the bottom. It also appeared that a painting machine had been cleaned out on nearby vegetation, and the significant amount of rain that came through caused the runoff to create an opaque tint to nearby water in the gutter pan. The discharge did impact the nearest storm drain.
CORRECTIVE ACTION:	HEPACO provided spill remediation. The property owner was notified, and a Notice of Violation was issued.
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 Van Deer

Signature

5/1/23

Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 5, 2023

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

RE: VPDES Permit No. VA0088650
IR 309151

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a UST was discovered in the right of way during utility construction. An unknown amount of oil was leaked into the subsurface soils but is estimated to be greater than 25 gallons May 2, 2023, at 2:34 PM. The description of the incident is as follows:

Stormwater staff was notified by a contractor that an unknown structure was found during utility work. Mis-utility marking had been completed, but this structure was not marked. The structure was deemed to be an abandoned UST. Stormwater staff, the Fire Marshalls Office and the Right of Way Department responded and HEPACO was dispatched to provide soil remediation and tank abatement. The surrounding soils were excavated, and the tank is scheduled to be removed next week. Absorbent material and pads were placed in the area surrounding the tank to prevent any additional discharge to the subsurface soils. No storm drains were impacted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 05/03/2023 at 09:16:57 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:	309151
REPORT DATE:	05/05/2023 10:27 AM
ESTIMATED QUANTITY:	Greater than 25 gallons
TYPE OF DISCHARGE:	UST leak
LOCATION:	Right of Way adjacent to 901 Madison Ave
RESPONSIBLE PARTY: ADDRESS& PHONE:	Unknown
DATE OF DISCHARGE:	5/2/2023 2:34 PM
DATE/TIME REPORTED:	5/3/2023 09:16:57 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO PRep
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by a contractor that an unknown structure was found during utility work. Mis-utility marking had been completed, but this structure was not marked. The structure was deemed to be an abandoned UST.
CORRECTIVE ACTION:	Stormwater staff, the Fire Marshalls Office and the Right of Way Department responded and HEPACO was dispatched to provide soil remediation and tank abatement. The surrounding soils were excavated, and the tank is scheduled to be removed next week. Absorbent material and pads were placed in the area surrounding the tank to prevent any additional discharge to the subsurface soils. 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.

Chrissi VanDaar

Signature

8/8/23

Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 8, 2023

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

RE: VPDES Permit No. VA0088650
IR 309189

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a mobile detailer was washing vehicles without proper containment at the corner of New Hampshire Ave and Colonial Ave. An unknown amount of vehicle wash water entered into the nearest catch basin and ultimately the Lafayette River on May 5, 2023, at 01:00 PM. The description of the incident is as follows:

Stormwater staff was notified by a resident that a mobile detailer had set up his business at the corner of New Hampshire Ave and Colonial Ave without proper containment measures. Stormwater staff visited the site and the detailer had finished washing, but there was visible evidence in the roadway of vehicle washing activities. An unknown amount of vehicle wash water entered the nearest catch basin and ultimately overboard into the Lafayette River. The owner of the detailing business refused to give the inspector his name or business name, but a Notice of Violation was issued to cease any future mobile detailing until proper containment measures were taken.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 05/05/2023 at 02:42:18 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:	309189
REPORT DATE:	05/08/2023 9:21 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Vehicle wash water
LOCATION:	Corner of New Hampshire Ave and Colonial Ave
RESPONSIBLE PARTY: ADDRESS& PHONE:	Unknown
DATE OF DISCHARGE:	5/5/2023 01:00 PM
DATE/TIME REPORTED:	5/5/2023 02:42:18 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO PRep
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by a resident that a mobile detailer had set up his business at the corner of New Hampshire Ave and Colonial Ave without proper containment measures. Stormwater staff visited the site and the detailer had finished washing, but there was visible evidence in the roadway of vehicle washing activities. An unknown amount of vehicle wash water entered the nearest catch basin and ultimately overboard into the Lafayette River.
CORRECTIVE ACTION:	The owner of the detailing business refused to give the inspector his name or business name, but a Notice of Violation was issued to cease any future mobile detailing until proper containment measures were taken.
IMPACT TO STATE WATERS:	Yes-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

5/8/23

Date

May 12, 2023

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

RE: VPDES Permit No. VA0088650
IR 309223

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that the safety latch on a transfer oil storage container failed, causing approximately 5 gallons of canola oil to spill onto the ground and storm drain at the CHKD facility located at 401 Gresham Drive on May 9, 2023, at 01:00 PM. The description of the incident is as follows:

Stormwater staff was notified by an employee at CHKD, Chris, that there had been an oil spill in the garage of canola oil. CHKD staff contained the spill and called First on Site for spill remediation. First on Site did not have the equipment needed to properly remediate the spill, so HEPACO was contacted. Absorbent pads and clay were used to remove the oil on the ground, and the stormwater line was plugged to prevent any additional oil from getting into the stormwater system. HEPACO provided immediate assistance to remove oil on the ground and in the immediate storm drain, and returned the next day to flush and vactor out multiple downstream structures that oil had reached. The outfall was checked, and no oil had reached this point. A boom was installed at the outfall to ensure that no oil exited the pipe during the flushing and vactoring activity.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 05/09/2023 at 02:31:36 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:	309223
REPORT DATE:	05/12/2023 12:37 PM
ESTIMATED QUANTITY:	5 gallons
TYPE OF DISCHARGE:	Canola oil
LOCATION:	CHKD 401 Gresham Drive Norfolk, VA 23507
RESPONSIBLE PARTY: ADDRESS& PHONE:	CHKD (Chris) 401 Gresham Drive Norfolk, VA 23507
DATE OF DISCHARGE:	5/9/2023 01:00 PM
DATE/TIME REPORTED:	5/9/2023 02:31:36 PM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO PReP
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified by an employee at CHKD, Chris, that there had been an oil spill in the garage of canola oil. CHKD staff contained the spill and called First on Site for spill remediation. First on Site did not have the equipment needed to properly remediate the spill, so HEPACO was contacted.
CORRECTIVE ACTION:	Absorbent pads and clay were used to remove the oil on the ground, and the stormwater line was plugged to prevent any additional oil from getting into the stormwater system. HEPACO provided immediate assistance to remove oil on the ground and in the immediate storm drain, and returned the next day to flush and vactor out multiple downstream structures that oil had reached. The outfall was checked, and no oil had reached this point. A boom was installed at the outfall to ensure that no oil exited the pipe during the flushing and vactoring activity.
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 VanDecar

Signature

5/15/23

Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 17, 2023

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

RE: VPDES Permit No. VA0088650
IR 309305

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that the hydraulic system on street sweeper #3722 failed causing a spill of hydraulic fluid in the street and into the stormwater system at the intersection of Monroe Place and Rockbridge Avenue (1102 Rockbridge Ave) on May 16, 2023 at 8:00 AM. The description of the incident is as follows:

Stormwater staff was notified by the sweeper operator that a hydraulic fluid spill had occurred and that hydraulic fluid was in the storm drain. The operator made attempts to contain the spill with rags until assistance arrived on site. Stormwater staff arrived on site and applied oil dry product to absorb the hydraulic fluid in the street and in the curb and employed spill booms and absorbent pads to stop any further contaminant breech into the stormwater system. HEPACO was contacted and reported to the site where they removed contaminated soil along the curb, removed all pads and oil dry product, and removed all hydraulic fluid from the stormwater system. The line was flushed back to ensure all hydraulic fluid was removed. Booms were installed in the last structure and at the outfall to ensure that no hydraulic fluid exited the pipe during the flushing and vactoring activity.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 05/17/2023 at 09:01:06 AM.

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

Sincerely,

Beth Haines
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**309305**
REPORT DATE:	**05/17/2023 9:01 AM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Hydraulic fluid**
LOCATION:	**Intersection of Rockbridge Ave and Monroe Pl (1102 Rockbridge Ave) Norfolk, VA 23508**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk, Dept of Environmental Stormwater Mgmt. Joshua Hines, Operations Manager 2233 McKann Ave Norfolk, VA 23509**
DATE OF DISCHARGE:	**5/16/2023 08:00 AM**
DATE/TIME REPORTED:	**5/17/2023 09:01:06 AM**
REPORTED TO DEQ/DCR BY:	**C. VanLear**
REPORTED TO:	**TRO PReP**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was notified by the sweeper operator that a hydraulic fluid spill had occurred and that hydraulic fluid was in the storm drain. The operator made attempts to contain the spill with rags until assistance arrived on site. Stormwater staff arrived on site and applied oil dry product to absorb the hydraulic fluid in the street and in the curb and employed spill booms and absorbent pads to stop any further contaminant breech into the stormwater system.**
CORRECTIVE ACTION:	**HEPACO was contacted and reported to the site where they removed contaminated soil along the curb, removed all pads and oil dry product, and removed all hydraulic fluid from the stormwater system. The line was flushed back to ensure all hydraulic fluid was removed. Booms were installed in the last structure and at the outfall to ensure that no hydraulic fluid exited the pipe during the flushing and vactoring activity.**
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.

Beth Hamm

Signature

5-17-2023

Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 19, 2023

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

RE: VPDES Permit No. VA0088650
IR 309335

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an unknown quantity of sewage entered the stormwater system and exited via an outfall located at 7700 Hampton Boulevard. The description of the incident is as follows:

Stormwater staff was notified by Lindsay Dierks of Norfolk Wastewater- FOG of sanitary sewer effluent entering the stormwater system. Stormwater staff investigated and found that effluent had discharged off site from a faulty oil interceptor device associated with the Popeye's restaurant at that address. Additional effluent was discharged off site from another part of the property because of a collapsed sewer lateral. Popeye's staff stopped additional discharges, closed the facility until repairs could be made and contacted HEPACO to provide cleanup services. HEPACO withdrew contaminated water from two effected stormwater structures on Hampton Blvd., vacuumed remaining sewage puddles on site, emptied the interceptor device and washed the primary discharge area.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/19/2023 09:19:00 AM.

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

Sincerely,

Beth Haines
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**309335**
REPORT DATE:	**05/19/2023 9:19 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**7700 Hampton Boulevard**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Popeye's Cajun Chicken Restaurant C/O James Neal 7700 Hampton Blvd Norfolk, VA 23505 850-933-8948**
DATE OF DISCHARGE:	**05/18/2023 10:00:00 AM**
DATE/TIME REPORTED:	**05/19/2023 09:19:00 AM**
REPORTED TO DEQ/DCR BY:	**Beth Haines**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was notified by Lindsay Dierks of Norfolk Wastewater- FOG of sanitary sewer effluent entering the stormwater system. Stormwater staff investigated and found that effluent had discharged off site from a faulty oil interceptor device associated with the Popeye's restaurant at that address. Additional effluent was discharged off site from another part of the property because of a collapsed sewer lateral.**
CORRECTIVE ACTION:	**Popeye's staff stopped additional discharges, closed the facility until repairs could be made and contacted HEPACO to provide cleanup services. HEPACO withdrew contaminated water from two effected stormwater structures on Hampton Blvd., vacuumed remaining sewage puddles on site, emptied the interceptor device and washed the primary discharge 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.

_____ _____ _____

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 30, 2023

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

RE: VPDES Permit No. VA0088650
IR 309441

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that Pool Scouts, discharged chemical and flocculant laden pool water into the stormwater system during the course of their work 428 Mowbray Arch, Norfolk, VA 23507 on May 30, 2023 at 9:03 AM. The description of the incident is as follows:

Stormwater staff was notified through the Norfolk Cares system that pool water was being discharged into the stormwater system. Stormwater staff arrived on site and observed discolored discharge off the property and into the stormwater system by way of the street. Staff requested that Pool Scouts cease all illicit discharges and to remove the discharged water from the street and from the effected stormwater structures. Flocculant deposits were removed from the street, gutter pan and stormwater structure by city staff due to impending rainfall expectations.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 05/30/2023 at 02:44:00 PM.

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

Sincerely,

Beth Haines
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**309441**
REPORT DATE:	**05/30/2023 02:44 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Flocculant-laden pool water**
LOCATION:	**428 Mowbray Arch Norfolk, VA 23507**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Pool Scouts of Virginia Beach/Norfolk Sherrie 2829 Guardian Lane, Suite 100 Virginia Beach, VA 23452**
DATE OF DISCHARGE:	**5/30/2023 09:03 AM**
DATE/TIME REPORTED:	**5/30/2023 02:44:00 PM**
REPORTED TO DEQ/DCR BY:	**B. Haines**
REPORTED TO:	**TRO PReP**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was notified through the Norfolk Cares system that pool water was being discharged into the stormwater system. Stormwater staff arrived on site and observed discolored discharge off the property and into the stormwater system by way of the street. Staff requested that Pool Scouts cease all illicit discharges and to remove the discharged water from the street and from the effected stormwater structures.**
CORRECTIVE ACTION:	**Flocculant deposits were removed from the street, gutter pan and stormwater structure by city staff due to impending rainfall expectations.**
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 **Date**

THE CITY OF NORFOLK
PUBLIC WORKS

June 1, 2023

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

RE: VPDES Permit No. VA0088650
IR 309460

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an unknown quantity of antifreeze entered the stormwater system at the intersection of Granby St and Virginia Beach Blvd (860 Granby St). The description of the incident is as follows:

Stormwater staff was notified by Fleet Services that a waste management truck experienced a mechanical failure and expelled not more than 17 gallons of antifreeze onto the pavement and into the stormwater system by way of a nearby curb inlet. Stormwater staff investigated and found that attempts had been made by the vehicle operator and Fleet staff to stop the flow of antifreeze into the stormwater system but were unsuccessful. Stormwater staff applied additional oil-dry product to dam the gutter at the curb inlet. Stormwater staff also opened adjacent stormwater structures to determine the extent of antifreeze incursion into the system. Booms were deployed in the one structure with antifreeze present. HEPACO was engaged and arrived on site to remove the antifreeze in the street and gutter, to vacuum the antifreeze from the drop inlet structure and to flush back from the manhole where contamination was noted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/1/2023 08:15:44 AM.

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

Sincerely,

Beth Haines
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**309460**
REPORT DATE:	**06/01/2023 8:15:44 AM**
ESTIMATED QUANTITY:	**<17 gallons**
TYPE OF DISCHARGE:	**Antifreeze**
LOCATION:	**Intersection of Va Beach Blvd and Granby St (860 Granby St)**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Waste Management** **Karen Cookson-Assistant Superintendent** **1176 Pineridge Road** **Norfolk, VA 23502**
DATE OF DISCHARGE:	**06/01/2023 8:00:00 AM**
DATE/TIME REPORTED:	**06/01/2023 08:15:44 AM**
REPORTED TO DEQ/DCR BY:	**Chrisi VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was notified by Fleet Services that a waste management truck experienced a mechanical failure and expelled not more than 17 gallons of antifreeze onto the pavement and into the stormwater system by way of a nearby curb inlet. Stormwater staff investigated and found that attempts had been made by the vehicle operator and Fleet staff to stop the flow of antifreeze into the stormwater system but were unsuccessful. Stormwater staff applied additional oil-dry product to dam the gutter at the curb inlet. Stormwater staff also opened adjacent stormwater structures to determine the extent of antifreeze incursion into the system.**
CORRECTIVE ACTION:	**Stormwater staff also opened adjacent stormwater structures to determine the extent of antifreeze incursion into the system. Booms were deployed in the one structure with antifreeze present. HEPACO was engaged and arrived on site to remove the antifreeze in the street and gutter, to vacuum the antifreeze from the drop inlet structure and to flush back from the manhole where contamination was noted.**

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 Date

THE CITY OF NORFOLK
PUBLIC WORKS

June 05, 2023

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

RE: VPDES Permit No. VA0088650
IR 309473

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a sediment discharge occurred the Gravity 400 construction site located at 400 Waterside Drive Norfolk, VA 23510 on June 02, 2023, at 10:02 AM. The description of the incident is as follows:

Stormwater staff was notified of a sediment plume in the Elizabeth River adjacent to Town Point Park. Stormwater staff, along with staff from Utilities and Environmental and discovered that during construction, a backhoe removed a fire hydrant and the attached water line creating a large volume of water and sediment to be discharged into the stormwater system. Utilities cut the water off to prevent any additional discharge. A Notice of Violation was issued to Matt Ensley from Breeden Construction for Pollution of the Stormwater System. City Stormwater staff investigated the adjacent stormwater infrastructure to evaluate if vactor services needed to be provided, and if they did were provided. Street sweeping was provided in this area on Saturday morning to remove the accumulated sediment from the discharge.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 06/02/2023 at 10:05:00 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:	309473
REPORT DATE:	06/05/2023 10:37 AM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sediment
LOCATION:	400 Waterside Drive
RESPONSIBLE PARTY: ADDRESS& PHONE:	Breeden Construction Matt Ensley, Lead Superintendent 1700 Bayberry Court Suite 200 Richmond, VA 23226
DATE OF DISCHARGE:	6/02/2023 10:02 AM
DATE/TIME REPORTED:	6/02/2023 10:05:00 AM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO PReP
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified of a sediment plume in the Elizabeth River adjacent to Town Point Park. Stormwater staff, along with staff from Utilities and Environmental and discovered that during construction, a backhoe removed a fire hydrant and the attached water line creating a large volume of water and sediment to be discharged into the stormwater system. Utilities cut the water off to prevent any additional discharge.
CORRECTIVE ACTION:	A Notice of Violation was issued to Matt Ensley from Breeden Construction for Pollution of the Stormwater System. City Stormwater staff investigated the adjacent stormwater infrastructure to evaluate if vactor services needed to be provided, and if they did were provided. Street sweeping was provided in this area on Saturday morning to remove the accumulated sediment from the discharge.
IMPACT TO STATE WATERS:	Yes-Elizabeth 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.

Chrissi VanDeer

Signature

6/6/23

Date

THE CITY OF NORFOLK
PUBLIC WORKS

June 06, 2023

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

RE: VPDES Permit No. VA0088650
IR 309495

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an illicit discharge of paint wash water occurred at 6203 Hampton Blvd on June 02, 2023, at 7:37 PM. The description of the incident is as follows:

Stormwater staff was notified of an illicit discharge on 6/5/2023 from a resident that occurred after hours on 6/2/2023. The resident provided picture evidence that paint wash water was in the gutter pan and entered the storm drain. Staff investigated as soon as the notification came in on Monday morning, and no evidence was visible in the gutter pan or the catch basin. These catch basins are tidally influenced, therefore there was no paint was present to remove. The contractors that are doing the remodel at 6203 Hampton Blvd were educated on the proper way to dispose of paint wash water and the violations that exist from polluting the storm water system.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 06/05/2023 at 11:01:03 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:	309495
REPORT DATE:	06/06/2023 08:47 AM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Paint wash water
LOCATION:	6203 Hampton Blvd
RESPONSIBLE PARTY: ADDRESS& PHONE:	Contractors for 6203 Hampton Blvd
DATE OF DISCHARGE:	6/02/2023 7:37 PM
DATE/TIME REPORTED:	6/05/2023 11:01:03 AM * Initial report from resident came in after hours on 6/2/2023*
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO PReP
DESCRIPTION OF DISCHARGE:	Stormwater staff was notified of an illicit discharge on 6/5/2023 from a resident that occurred after hours on 6/2/2023. The resident provided picture evidence that paint wash water was in the gutter pan and entered the storm drain. Staff investigated as soon as the notification came in on Monday morning, and no evidence was visible in the gutter pan or the catch basin. These catch basins are tidally influenced, therefore there was no paint was present to remove.
CORRECTIVE ACTION:	The contractors that are doing the remodel at 6203 Hampton Blvd were educated on the proper way to dispose of paint wash water and the violations that exist from polluting the storm water system.
IMPACT TO STATE WATERS:	Yes-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.

Krissi VanDeer

Signature

6/6/23

Date

THE CITY OF NORFOLK
PUBLIC WORKS

June 21, 2023

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

RE: VPDES Permit No. VA0088650
IR 309630

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that an illicit discharge of grease and mop water occurred at 7740 Tidewater Drive on June 16, 2023, at 3:31:55 PM. The description of the incident is as follows:

Stormwater staff was notified of an illicit discharge on 6/16/2023 from the FOG Coordinator that occurred on or before 6/16/2023. The coordinator provided picture evidence that grease had been released into the storm drain and had entered the stormwater system.. Staff investigated as soon as the notification came in, but a recent storm event had removed any presence of grease in the adjacent city stormwater structures. The management at K-Pot was required to clean the stormwater inlet and remove accumulated grease from the structure. A contractor was on site on Saturday, June 17, 2023, to clean the structure and remove all grease.. Kitchen staff were informed of the correct means of disposal of grease and other liquids.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 06/16/2023 at 3:31:55 PM.

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

Sincerely,

Beth Haines
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**309630**
REPORT DATE:	**06/16/2023 03:31 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Grease/mop water**
LOCATION:	**7740 Tidewater Dr**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**K-Pot Restaurant 7740 Tidewater Dr**
DATE OF DISCHARGE:	**6/16/2023 2:10:00 PM**
DATE/TIME REPORTED:	**6/16/2023 3:31:55 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO PReP**
DESCRIPTION OF DISCHARGE:	**Stormwater staff was notified of an illicit discharge on 6/16/2023 from the FOG Coordinator that occurred on or before 6/16/2023. The coordinator provided picture evidence that grease had been released into the storm drain and had entered the stormwater system.. Staff investigated as soon as the notification came in, but a recent storm event had removed any presence of grease in the adjacent city stormwater structures.**
CORRECTIVE ACTION:	**The management at K-Pot was required to clean the stormwater inlet and remove accumulated grease from the structure. A contractor was on site on Saturday, June 17, 2023, to clean the structure and remove all grease.. Kitchen staff were informed of the correct means of disposal of grease and other liquids.**
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 **Date**

THE CITY OF NORFOLK
PUBLIC WORKS

June 30, 2023

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

RE: VPDES Permit No. VA0088650
IR 309773

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a pool contractor was dewatering sediment laden ground water at 1039 E. Ocean View Ave on June 29, 2023, at approximately 10:35 AM. The description of the incident is as follows:

A storm water inspector observed a hose with sediment laden water discharging from a residence. The storm water inspector investigated and found that Alameda Pools was dewatering groundwater without the proper sediment bag. Clayton from Alameda Pools responded, and the hose was turned off. A Notice of Violation was issued to Almeda Pools for pollution of the storm water system. The sediment accumulation was removed from the gutter pan, and Clayton was instructed that the hose could not be restarted until the proper sediment bag was on site.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 06/29/2023 at 10:54:45 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:	309773
REPORT DATE:	06/30/2023 2:33 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Sediment laden water
LOCATION:	1039 E. Ocean View Ave
RESPONSIBLE PARTY: ADDRESS& PHONE:	Alameda Pools C/O Clayton 3200 Dam Neck Road # 113 Virginia Beach, VA 23453
DATE OF DISCHARGE:	6/29/2023 10:35 AM
DATE/TIME REPORTED:	6/29/2023 10:54:45 AM
REPORTED TO DEQ/DCR BY:	C. VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	A storm water inspector observed a hose with sediment laden water discharging from a residence. The storm water inspector investigated and found that Alameda Pools was dewatering groundwater without the proper sediment bag. Clayton from Alameda Pools responded, and the hose was turned off.
CORRECTIVE ACTION:	A Notice of Violation was issued to Almeda Pools for pollution of the storm water system. The sediment accumulation was removed from the gutter pan, and Clayton was instructed that the hose could not be restarted until the proper sediment bag was 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.

Chris Van Dear

Signature

6/30/23

Date

THE CITY OF NORFOLK
PUBLIC WORKS

June 30, 2023

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

RE: VPDES Permit No. VA0088650
IR 309738

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a water main valve break occurred at Park Avenue and E Virginia Beach Boulevard on June 26, 2023, at approximately 1:00 PM. The description of the incident is as follows:

A storm water inspector observed sediment laden water at the intersection of Park Avenue and E. Virginia Beach Boulevard. After further investigation it was determined that a water main break has occurred. The City of Norfolk Utilities were contacted. It was confirmed that a water valve had broken off the main line. The water was shut off and repairs began on June 27, 2023. The valve has been repaired. Street repairs will follow.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 06/27/2023 at 08:5:00 AM.

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

Sincerely,

Audrey Doan
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**309738**
REPORT DATE:	**06/30/2023 2:57 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment laden water due to a water valve break**
LOCATION:	**Intersection of Park Avenue and E. Virginia Beach Boulevard.**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Utilities Ballentine Boulevard Norfolk, VA**
DATE OF DISCHARGE:	**6/26/2023 1:00 PM**
DATE/TIME REPORTED:	**6/27/2023 08:05:55 AM**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**A storm water inspector observed sediment laden water at the intersection of Park Avenue and E. Virginia Beach Boulevard. After further investigation it was determined that a water valve from the main occurred.**
CORRECTIVE ACTION:	**City of Norfolk Utilities shut off water and began repairs.**
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 **Date**

THE CITY OF NORFOLK
PUBLIC WORKS

June 30, 2023

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

RE: VPDES Permit No. VA0088650
IR 309738

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that a water main valve break occurred at Park Avenue and E Virginia Beach Boulevard on June 26, 2023, at approximately 1:00 PM. The description of the incident is as follows:

A storm water inspector observed sediment laden water at the intersection of Park Avenue and E. Virginia Beach Boulevard. After further investigation it was determined that a water main break has occurred. The City of Norfolk Utilities were contacted. It was confirmed that a water valve had broken off the main line. The water was shut off and repairs began on June 27, 2023. The valve has been repaired. Street repairs will follow.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 06/27/2023 at 08:5:00 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:	**309738**
REPORT DATE:	**06/30/2023 2:57 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment laden water due to a water valve break**
LOCATION:	**Intersection of Park Avenue and E. Virginia Beach Boulevard.**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Utilities Ballentine Boulevard Norfolk, VA**
DATE OF DISCHARGE:	**6/26/2023 1:00 PM**
DATE/TIME REPORTED:	**6/27/2023 08:05:55 AM**
REPORTED TO DEQ/DCR BY:	**A. Doan**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**A storm water inspector observed sediment laden water at the intersection of Park Avenue and E. Virginia Beach Boulevard. After further investigation it was determined that a water valve from the main occurred.**
CORRECTIVE ACTION:	**City of Norfolk Utilities shut off water and began repairs.**
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

6/30/2023

Date

SSORS ID:	106151	**Reported:**	07/14/22 2:45 PM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2023-T-106151	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	07/14/22 2:48 PM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	07/13/22 11:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	07/13/22 1:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	07/14/22 2:45 PM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	111 W. Va Beach Blvd			**SSO Classification:**	Maintenance-Grease

Cordinates:

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

Possible Receptors
The Hague

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the overflow cleaned up.
-----July 14, 2022 02:45 PM-----

Revision Comments

DEQ Comments (Reviewed 7/14/2022 2:48:16 PM by David Taylor)
None.

Attachments
None.

SSORS ID:	106153	**Reported:**	07/27/22 3:52 PM	**Amount Spilled:**	200 Gallons
DEQ IR #:	SSORS#2023-T-106153	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	07/27/22 3:55 PM	**Reaching State Waters:**	200 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	07/27/22 1:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	07/27/22 2:30 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	07/27/22 3:53 PM	**Spill Duration:**	1 hour(s) 30 minute(s)
Site Name:	3740 E. Princess Anne Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A surcharged Sewer caused sewage to leak from a manhole into the storm drain system. The blockage was broken which caused the surcharge to flow and no longer leak.

Possible Receptors
Broad Creek

Description of Materials
Sewage

Corrective Action
The blockage was broken which caused the surcharge to flow and no longer leak.
-----July 27, 2022 03:52 PM-----

Revision Comments

DEQ Comments (Reviewed 7/27/2022 3:55:45 PM by David Taylor)
None.

Attachments

None.

SSORS ID:	106156	**Reported:**	08/02/22 8:45 AM	**Amount Spilled:**	200 Gallons
DEQ IR #:	SSORS#2023-T-106156	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	08/02/22 8:51 AM	**Reaching State Waters:**	200 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	08/01/22 1:52 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	08/01/22 3:30 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	08/02/22 8:45 AM	**Spill Duration:**	1 hour(s) 38 minute(s)
Site Name:	2916 S. Cape Henry 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

LaFayette River

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----August 2, 2022 08:45 AM-----

Revision Comments

DEQ Comments (Reviewed 8/2/2022 8:51:40 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106164	**Reported:**	08/09/22 3:39 PM	**Amount Spilled:**	800 Gallons
DEQ IR #:	SSORS#2023-T-106164	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	08/09/22 3:53 PM	**Reaching State Waters:**	800 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	08/09/22 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	08/09/22 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	08/09/22 3:39 PM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	1401 Anne St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

A blockage caused a surcharge and and an overflow into the Anne Outten pond. The blockage was broken and the system receded.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was broken and the system receded.
-----August 9, 2022 03:39 PM-----

Revision Comments

DEQ Comments (Reviewed 8/9/2022 3:53:34 PM by David Taylor)

None.

Attachments

None.

SSORS ID:	106166	**Reported:**	08/17/22 11:30 AM	**Amount Spilled:**	100 Gallons
DEQ IR #:	SSORS#2023-T-106166	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	08/18/22 7:47 AM	**Reaching State Waters:**	100 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	08/16/22 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	08/16/22 10:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	08/17/22 11:30 AM	**Spill Duration:**	1 hour(s) 0 minute(s)
Site Name:	100 Westover Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

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

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area was cleaned up.
-----August 17, 2022 11:30 AM-----

Revision Comments

DEQ Comments (Reviewed 8/18/2022 7:47:54 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106170	**Reported:**	09/07/22 4:01 PM	**Amount Spilled:**	400 Gallons
DEQ IR #:	SSORS#2023-T-106170	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	09/09/22 9:33 AM	**Reaching State Waters:**	400 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	09/06/22 7:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	09/06/22 10:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	09/07/22 4:01 PM	**Spill Duration:**	3 hour(s) 0 minute(s)
Site Name:	1176 Land St			**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.
-----September 7, 2022 04:01 PM-----

Revision Comments

DEQ Comments (Reviewed 9/9/2022 9:33:19 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106174	**Reported:**	09/15/22 4:01 PM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2023-T-106174	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	09/16/22 7:35 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	09/14/22 11:54 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	09/14/22 2:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	09/15/22 4:01 PM	**Spill Duration:**	2 hour(s) 6 minute(s)
Site Name:	421 Granby 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

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----September 15, 2022 04:01 PM-----

Revision Comments

DEQ Comments (Reviewed 9/16/2022 7:35:09 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106176	**Reported:**	09/21/22 4:28 PM	**Amount Spilled:**	1000 Gallons
DEQ IR #:	SSORS#2023-T-106176	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	09/23/22 2:30 PM	**Reaching State Waters:**	1000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	09/20/22 12:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	09/21/22 1:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	09/21/22 4:28 PM	**Spill Duration:**	25 hour(s) 0 minute(s)
Site Name:	Colonial Ave & Talbot Hall Rd intersection			**SSO Classification:**	Infrastructure

Cordinates:

Description Of Incident

A sewer pipe failure caused sewage to leak into a storm drain pipe. The pipe failure was located and repaired.

Possible Receptors

Lafayette River

Description of Materials

Sewage

Corrective Action

The pipe failure was located and repaired.
-----September 21, 2022 04:28 PM-----

Revision Comments

DEQ Comments (Reviewed 9/23/2022 2:30:11 PM by David Taylor)

None.

Attachments

None.

SSORS ID:	106184	**Reported:**	10/04/22 3:41 PM	**Amount Spilled:**	750 Gallons
DEQ IR #:	SSORS#2023-T-106184	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	10/05/22 3:28 PM	**Reaching State Waters:**	750 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	10/04/22 10:47 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/04/22 2:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/04/22 3:41 PM	**Spill Duration:**	3 hour(s) 13 minute(s)
Site Name:	3901 Pleasant Ave			**SSO Classification:**	Infrastructure

Cordinates:

Description Of Incident

A problem at the downstream pump station (PS 88) caused a high wet well level which resulted in an overflow. The pump station problem was resolved and the wet well was pumped down which stopped the overflow.

Possible Receptors

Pretty Lake

Description of Materials

Sewage

Corrective Action

A pump station had a problem which was resolved and the wet well was pumped down which stopped the overflow.
-----October 4, 2022 03:41 PM-----

Revision Comments

DEQ Comments (Reviewed 10/5/2022 3:28:30 PM by David Taylor)

None.

Attachments

None.

SSORS ID:	106185	**Reported:**	10/10/22 8:27 AM	**Amount Spilled:**	1000 Gallons
DEQ IR #:	SSORS#2023-T-106185	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	10/11/22 7:50 AM	**Reaching State Waters:**	1000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	10/07/22 2:45 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/07/22 10:15 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/10/22 8:27 AM	**Spill Duration:**	7 hour(s) 30 minute(s)
Site Name:	2916 S. Cape Henry Ave			**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.
-----October 10, 2022 08:27 AM-----

Revision Comments

DEQ Comments (Reviewed 10/11/2022 7:50:58 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106188	**Reported:**	10/17/22 3:48 PM	**Amount Spilled:**	200 Gallons
DEQ IR #:	SSORS#2023-T-106188	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	10/18/22 8:02 AM	**Reaching State Waters:**	200 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	10/17/22 9:56 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/17/22 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/17/22 3:48 PM	**Spill Duration:**	1 hour(s) 4 minute(s)
Site Name:	Granby St & Westover Ave intersection			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

A surcharged sewer system flowed into the adjacent storm drain system. The blockage was removed, the surcharge flowed downstream, and the flow into the storm drain ceased.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was removed, the surcharge flowed downstream, and the flow into the storm drain ceased.
-----October 17, 2022 03:48 PM-----

Revision Comments

DEQ Comments (Reviewed 10/18/2022 8:02:31 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106189	**Reported:**	10/21/22 4:25 PM	**Amount Spilled:**	750 Gallons
DEQ IR #:	SSORS#2023-T-106189	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	10/24/22 3:59 PM	**Reaching State Waters:**	750 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	10/20/22 8:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/21/22 3:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/21/22 4:33 PM	**Spill Duration:**	31 hour(s) 0 minute(s)
Site Name:	7300 Newport Ave - Behind Wellness Center			**SSO Classification:**	Infrastructure

Cordinates:

Description Of Incident

A sewer main laid through a wetlands area broke. A bypass pump was set up the re-route the flow away from that pipe. The flow will be re-routed away from that segment of main.

Possible Receptors

LaFayette River

Description of Materials

Sewage

Corrective Action

A bypass pump was set up the re-route the flow away from that pipe. The flow will be re-routed away from that segment of main.
-----October 21, 2022 04:25 PM-----

Revision Comments

DEQ Comments (Reviewed 10/24/2022 3:59:06 PM by David Taylor)

None.

Attachments

None.

SSORS ID:	106190	**Reported:**	10/21/22 4:36 PM	**Amount Spilled:**	200 Gallons
DEQ IR #:	SSORS#2023-T-106190	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	10/24/22 3:59 PM	**Reaching State Waters:**	200 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	10/21/22 1:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/21/22 3:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/21/22 4:36 PM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	7277 Remsen			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A surcharged main leaked into a ditch. The blockage was cleared and the surcharge and leak ceased

Possible Receptors
LaFayette River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the surcharge and leak ceased
-----October 21, 2022 04:36 PM-----

Revision Comments

DEQ Comments (Reviewed 10/24/2022 3:59:28 PM by David Taylor)

None.

Attachments

None.

SSORS ID:	106194	**Reported:**	11/22/22 7:51 AM	**Amount Spilled:**	1000 Gallons
DEQ IR #:	SSORS#2023-T-106194	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	11/23/22 11:08 AM	**Reaching State Waters:**	1000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	11/14/22 12:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	11/17/22 3:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	11/22/22 7:51 AM	**Spill Duration:**	87 hour(s) 0 minute(s)
Site Name:	141 W. Bay Ave			**SSO Classification:**	Infrastructure

Cordinates:

Description Of Incident
A sewer pipe leaked into a crossing storm drain pipe and flowed into the outfall.

Possible Receptors
Mason Creek

Description of Materials
Sewage

Corrective Action

The sewer pipe was repaired which stopped the leakage into the storm drain pipe.
-----November 22, 2022 07:51 AM-----

Revision Comments

DEQ Comments (Reviewed 11/23/2022 11:08:17 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106196	**Reported:**	12/06/22 12:00 PM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2023-T-106196	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/06/22 2:25 PM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	12/02/22 9:15 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/02/22 1:30 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/06/22 12:00 PM	**Spill Duration:**	4 hour(s) 15 minute(s)
Site Name:	3750 Progress Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage occurred which 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.
-----December 6, 2022 12:00 PM-----

Revision Comments

DEQ Comments (Reviewed 12/6/2022 2:25:48 PM by David Taylor)

None.

Attachments

None.

SSORS ID:	106198	**Reported:**	12/09/22 4:08 PM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2023-T-106198	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/12/22 11:53 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	12/08/22 12:11 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/08/22 2:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/09/22 4:08 PM	**Spill Duration:**	1 hour(s) 49 minute(s)
Site Name:	Granby St & Bay Ave intersection			**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
Mason Creek

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the overflow was cleaned up.
-----December 9, 2022 04:08 PM-----

Revision Comments

DEQ Comments (Reviewed 12/12/2022 11:53:46 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106199	**Reported:**	12/09/22 4:13 PM	**Amount Spilled:**	3000 Gallons
DEQ IR #:	SSORS#2023-T-106199	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/12/22 11:54 AM	**Reaching State Waters:**	3000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	12/08/22 9:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/08/22 11:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/09/22 4:13 PM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	1800 Bayview Ave			**SSO Classification:**	Infrastructure

Cordinates:

Description Of Incident
The force main from Pump Station #23 broke. The pump station was secured and a pump and haul executed to prevent additional sewage leak.

Possible Receptors

Little Creek

Description of Materials

Sewage

Corrective Action
The pump station was secured and a pump and haul executed to prevent additional sewage leak.
-----December 9, 2022 04:13 PM-----

Revision Comments

DEQ Comments (Reviewed 12/12/2022 11:54:06 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106201	**Reported:**	12/19/22 3:52 PM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2023-T-106201	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/22/22 7:40 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	12/14/22 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/14/22 12:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/19/22 3:52 PM	**Spill Duration:**	3 hour(s) 0 minute(s)
Site Name:	318 Bayview Blvd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A stoppage caused an overflow. The stoppage was broken and the area cleaned up.

Possible Receptors

Little Creek

Description of Materials

Sewage

Corrective Action
The stoppage was broken and the area cleaned up.
-----December 19, 2022 03:52 PM-----

Revision Comments

DEQ Comments (Reviewed 12/22/2022 7:40:07 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106202	**Reported:**	12/19/22 4:02 PM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2023-T-106202	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/22/22 7:40 AM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	12/15/22 2:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/15/22 5:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/19/22 4:02 PM	**Spill Duration:**	3 hour(s) 0 minute(s)
Site Name:	6319 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

Wayne Creek

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----December 19, 2022 04:02 PM-----

Revision Comments

DEQ Comments (Reviewed 12/22/2022 7:40:26 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106203	**Reported:**	12/19/22 4:06 PM	**Amount Spilled:**	200 Gallons
DEQ IR #:	SSORS#2023-T-106203	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/22/22 7:40 AM	**Reaching State Waters:**	200 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	12/19/22 3:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/19/22 4:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/19/22 4:06 PM	**Spill Duration:**	1 hour(s) 0 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

Wayne Creek

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----December 19, 2022 04:06 PM-----

Revision Comments

DEQ Comments (Reviewed 12/22/2022 7:40:42 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106217	**Reported:**	01/20/23 9:34 AM	**Amount Spilled:**	5000 Gallons
DEQ IR #:	SSORS#2023-T-106217	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/23/23 9:15 AM	**Reaching State Waters:**	5000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	01/18/23 8:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/19/23 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/20/23 9:34 AM	**Spill Duration:**	27 hour(s) 0 minute(s)
Site Name:	1503 Campostella Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

A blockage caused an overflow. The blockage was broken once on 18 Jan '23 but then later reoccurred. So it was broken a second time on 19 Jan '23. The area was cleaned up.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was broken a second time, pipe was confirmed to be open and flowing, and then the area was cleaned up.
-----January 20, 2023 09:34 AM-----

Revision Comments

DEQ Comments (Reviewed 1/23/2023 9:15:11 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106218	**Reported:**	01/20/23 9:42 AM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2023-T-106218	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/23/23 9:15 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	01/19/23 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/19/23 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/20/23 9:42 AM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	1516 E. Princess Anne 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.
-----January 20, 2023 09:42 AM-----

Revision Comments

DEQ Comments (Reviewed 1/23/2023 9:15:29 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106224	**Reported:**	01/27/23 4:06 PM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2023-T-106224	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/30/23 8:32 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	01/24/23 1:30 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/24/23 3:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/27/23 4:06 PM	**Spill Duration:**	1 hour(s) 30 minute(s)
Site Name:	1732 E. Indian River 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.
-----January 27, 2023 04:06 PM-----

Revision Comments

DEQ Comments (Reviewed 1/30/2023 8:32:20 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106225	**Reported:**	01/27/23 4:10 PM	**Amount Spilled:**	250 Gallons
DEQ IR #:	SSORS#2023-T-106225	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/30/23 8:32 AM	**Reaching State Waters:**	250 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	01/24/23 10:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/24/23 11:30 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/27/23 4:10 PM	**Spill Duration:**	1 hour(s) 0 minute(s)
Site Name:	8506 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

Lafayette River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----January 27, 2023 04:10 PM-----

Revision Comments

DEQ Comments (Reviewed 1/30/2023 8:32:37 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106226	**Reported:**	01/30/23 8:06 AM	**Amount Spilled:**	250 Gallons
DEQ IR #:	SSORS#2023-T-106226	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/30/23 8:32 AM	**Reaching State Waters:**	250 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	01/24/23 10:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/24/23 11:30 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/30/23 8:06 AM	**Spill Duration:**	1 hour(s) 0 minute(s)
Site Name:	1006 Fisherman's Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and the area cleaned up. This is the same overflow as occurred at 8506 Chesapeake Blvd for the same time period. Just also overflowed at this location as well.

Possible Receptors

LaFayette River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and the area cleaned up.
-----January 30, 2023 08:06 AM-----

Revision Comments

DEQ Comments (Reviewed 1/30/2023 8:32:57 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106231	**Reported:**	02/14/23 1:41 PM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2023-T-106231	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	02/15/23 7:48 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	02/13/23 11:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	02/13/23 1:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	02/14/23 1:41 PM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	Virginia Beach Blvd & Park Ave intersection			**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.
-----February 14, 2023 01:41 PM-----

Revision Comments

DEQ Comments (Reviewed 2/15/2023 7:48:34 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106238	**Reported:**	02/23/23 4:16 PM	**Amount Spilled:**	1000 Gallons
DEQ IR #:	SSORS#2023-T-106238	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	02/28/23 8:55 AM	**Reaching State Waters:**	1000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	02/22/23 9:23 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	02/22/23 2:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	02/23/23 4:16 PM	**Spill Duration:**	4 hour(s) 37 minute(s)
Site Name:	108 E. Ocean Ave			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

A blockage caused surcharged sewer to enter the storm drain system. The blockage was cleared.

Possible Receptors

Mason Creek

Description of Materials

Sewage

Corrective Action

The blockage was cleared
-----February 23, 2023 04:16 PM-----

Revision Comments

DEQ Comments (Reviewed 2/28/2023 8:55:46 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106239	**Reported:**	02/23/23 4:20 PM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2023-T-106239	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	02/28/23 8:56 AM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	02/23/23 8:46 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	02/23/23 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	02/23/23 4:20 PM	**Spill Duration:**	2 hour(s) 14 minute(s)
Site Name:	6537 Clemson 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

Lake Whitehurst

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the area cleaned up.
-----February 23, 2023 04:20 PM-----

Revision Comments

DEQ Comments (Reviewed 2/28/2023 8:56:08 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106242	**Reported:**	03/01/23 10:13 AM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2023-T-106242	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	03/21/23 1:30 PM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Speer	**Spill Date:**	02/28/23 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	02/28/23 10:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	03/01/23 10:13 AM	**Spill Duration:**	1 hour(s) 0 minute(s)
Site Name:	W. 25th St & Bowden Ferry Rd intx			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

A blockage caused an overflow. The blockage was cleared which stopped the overflow.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was cleared which stopped the overflow.
-----March 1, 2023 10:13 AM-----

Revision Comments

DEQ Comments (Reviewed 3/3/2023 10:34:02 AM by David Taylor)

None.

Attachments

None.

SSORS ID:	106244	**Reported:**	03/10/23 9:50 AM	**Amount Spilled:**	1000 Gallons
DEQ IR #:	SSORS#2023-T-106244	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	03/13/23 10:50 AM	**Reaching State Waters:**	1000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	03/03/23 7:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	03/03/23 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	03/10/23 9:50 AM	**Spill Duration:**	4 hour(s) 0 minute(s)
Site Name:	1311 Surrey Crescent			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared and system flow was restored.

Possible Receptors
LaFayette River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and system flow restored.
-----March 10, 2023 09:50 AM-----

Revision Comments

DEQ Comments (Reviewed 3/13/2023 10:50:42 AM by David Taylor)
None.

Attachments
None.

SSORS ID:	106245	**Reported:**	03/10/23 10:00 AM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2023-T-106245	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	03/13/23 10:50 AM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	03/08/23 12:30 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	03/08/23 2:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	03/10/23 10:00 AM	**Spill Duration:**	1 hour(s) 30 minute(s)
Site Name:	815 Goff St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
A blockage caused an overflow. The blockage was cleared and system flow restored.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
The blockage was cleared and system flow restored.
-----March 10, 2023 10:00 AM-----

Revision Comments

DEQ Comments (Reviewed 3/13/2023 10:50:58 AM by David Taylor)
None.

Attachments
None.

SSORS ID:	106248	**Reported:**	03/14/23 10:14 AM	**Amount Spilled:**	7500 Gallons
DEQ IR #:	SSORS#2023-T-106248	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	03/14/23 11:17 AM	**Reaching State Waters:**	7500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	03/13/23 8:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	03/14/23 8:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	03/14/23 10:14 AM	**Spill Duration:**	24 hour(s) 0 minute(s)
Site Name:	511 Stafford St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
A blockage caused an overflow. The blockage was cleared.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
The blockage was cleared.
-----March 14, 2023 10:14 AM-----

Revision Comments

DEQ Comments (Reviewed 3/14/2023 11:17:32 AM by David Taylor)
None.

Attachments
None.

SSORS ID:	106251	**Reported:**	03/24/23 7:52 AM	**Amount Spilled:**	400 Gallons
DEQ IR #:	SSORS#2023-T-106251	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	03/24/23 12:49 PM	**Reaching State Waters:**	400 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	03/21/23 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	03/21/23 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	03/24/23 7:52 AM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	6537 Clemson Ave			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared.

Possible Receptors
Lake Whitehurst reservoir

Description of Materials
Sewage

Corrective Action
The blockage was cleared.
-----March 24, 2023 07:52 AM-----

Revision Comments

DEQ Comments (Reviewed 3/24/2023 12:49:25 PM by David Taylor)
None.

Attachments
None.

SSORS ID:	106252	**Reported:**	03/28/23 7:26 AM	**Amount Spilled:**	300 Gallons
DEQ IR #:	SSORS#2023-T-106252	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	03/28/23 3:12 PM	**Reaching State Waters:**	300 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	03/26/23 11:57 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	03/26/23 1:15 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	03/28/23 7:26 AM	**Spill Duration:**	1 hour(s) 18 minute(s)
Site Name:	1355 Andes Court			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared.

Possible Receptors
Broad Creek

Description of Materials
Sewage

Corrective Action
The blockage was cleared.
-----March 28, 2023 07:26 AM-----

Revision Comments

DEQ Comments (Reviewed 3/28/2023 3:12:44 PM by David Taylor)
None.

Attachments
None.

SSORS ID:	106258	**Reported:**	04/11/23 3:22 PM	**Amount Spilled:**	1000 Gallons
DEQ IR #:	SSORS#2023-T-106258	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	04/20/23 7:59 AM	**Reaching State Waters:**	1000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	04/10/23 12:10 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	04/11/23 12:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	04/11/23 3:22 PM	**Spill Duration:**	23 hour(s) 50 minute (s)
Site Name:	806 Barton St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
A blockage in a sewer line caused a surcharge in the sewer main. No overflows out of the structures occurred but some of the surcharge leaked into an adjacent storm drain pipe/catch basin. The blockage was broken and the surcharge subsided.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
The blockage was broken and the surcharge subsided.
-----April 11, 2023 03:22 PM-----

Revision Comments

DEQ Comments (Reviewed 4/20/2023 7:59:49 AM by David Taylor)
None.

Attachments
None.

SSORS ID:	106267	**Reported:**	05/04/23 8:30 AM	**Amount Spilled:**	5000 Gallons
DEQ IR #:	SSORS#2023-T-106267	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/04/23 11:10 AM	**Reaching State Waters:**	5000 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	05/03/23 11:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/03/23 7:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/04/23 8:30 AM	**Spill Duration:**	7 hour(s) 30 minute(s)
Site Name:	827 E Ocean View Ave			**SSO Classification:**	Infrastructure

Cordinates:

Description Of Incident
Issues with PS #17 caused the collection system to surcharge which caused the overflow. The pump station crews were able to bring PS 17 back on line and pump down the collection system overflow.

Possible Receptors
Chesapeake Bay

Description of Materials
Sewage

Corrective Action
The pump station crews were able to bring PS 17 back on line and pump down the collection system overflow.
-----May 4, 2023 08:30 AM-----

Revision Comments

DEQ Comments (Reviewed 5/4/2023 11:10:10 AM by David Taylor)
None.

Attachments
None.

SSORS ID:	106269	**Reported:**	05/11/23 10:13 AM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2023-T-106269	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/12/23 7:55 AM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	05/10/23 10:13 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/10/23 2:30 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/11/23 10:13 AM	**Spill Duration:**	4 hour(s) 17 minute(s)
Site Name:	5400 Sandpiper Ln			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The blockage was cleared.

Possible Receptors
Broad Creek

Description of Materials
Sewage

Corrective Action
The blockage was cleared
-----May 11, 2023 10:13 AM-----

Revision Comments

DEQ Comments (Reviewed 5/12/2023 7:55:40 AM by David Taylor)
None.

Attachments
None.

SSORS ID:	106276	**Reported:**	06/05/23 3:54 PM	**Amount Spilled:**	2500 Gallons
DEQ IR #:	SSORS#2023-T-106276	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	06/06/23 7:54 AM	**Reaching State Waters:**	2500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	06/02/23 3:15 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	06/02/23 11:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	06/05/23 3:54 PM	**Spill Duration:**	7 hour(s) 45 minute(s)

Site Name: 828 W 40th St **SSO Classification:** Infrastructure

Cordinates:

Description Of Incident

A mainline blockage caused an overflow from a lateral to an adjacent storm drain structure through a short pipe stub. A temporary plug was installed in the stub until the sewer main can be repaired then the plug can be removed. The storm drain system can still function normally.

Possible Receptors

Knitting Mill Creek

Description of Materials

Sewage

Corrective Action

A temporary plug was installed in the storm pipe stub while the repairs are being made to the sewer main. The plug will be removed upon repair completion.
-----June 5, 2023 03:54 PM-----

Revision Comments

DEQ Comments (Reviewed 6/6/2023 7:54:22 AM by David Taylor)

If any additional actions were performed to evaluate and/or remove any residuals from the storm drain system, please update the "Corrective Actions Taken" field to include those actions.
-----June 6, 2023 07:54 AM-----

Attachments

None.

SSORS ID:	106286	**Reported:**	06/21/23 4:08 PM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2023-T-106286	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	06/22/23 7:40 AM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Taylor	**Spill Date:**	06/20/23 10:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	06/20/23 1:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	06/21/23 4:08 PM	**Spill Duration:**	3 hour(s) 0 minute(s)
Site Name:	1633 Brown Ave			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

A blockage caused an overflow. The blockage was cleared.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

The blockage was cleared and the line flowed.
-----June 21, 2023 04:08 PM-----

Revision Comments

DEQ Comments (Reviewed 6/22/2023 7:40:33 AM by David Taylor)

If applicable, include any actions taken to minimize impacts to state waters (e.g., removing any solids/residuals, checking for any recoverable product, etc.).
-----June 22, 2023 07:40 AM-----

Attachments

None.

FY23 ICC Data

Site Captain/Team Name	Cleanup Date	Type of Environment (Choose One)	Mode of Data Collection (choose one)
Plum Point Park	9/24/2022 16:00	Saltwater (Ocean/Bay/Estuary)	Land (beach, shoreline, inland)
Ocean View Beach	9/24/2022 16:00	Saltwater (Ocean/Bay/Estuary)	Land (beach, shoreline, inland)
ODU/Lamberts Point	10/9/2022 16:00	Saltwater (Ocean/Bay/Estuary)	Land (beach, shoreline, inland)
East Ocean View Rec Center	10/6/2022 16:00	Saltwater (Ocean/Bay/Estuary)	Land (beach, shoreline, inland)
Bayview Elememtary	10/15/2022 16:00	Inland (No Water Body Present)	Land (beach, shoreline, inland)
Harbor Park	10/22/2022 16:00	Saltwater (Ocean/Bay/Estuary)	Land (beach, shoreline, inland)
Rosemont Middle School	10/20/2022 16:00	Inland (No Water Body Present)	Land (beach, shoreline, inland)
Lafayette Park	10/22/2022 16:00	Inland (No Water Body Present)	Land (beach, shoreline, inland)
Barraud PArk	10/22/2022 16:00	Saltwater (Ocean/Bay/Estuary)	Land (beach, shoreline, inland)
1900-1300 blocks of E. Ocean View Ave	11/5/2022 17:00	Saltwater (Ocean/Bay/Estuary)	Land (beach, shoreline, inland)
	10		

FY23 ICC Data

Site Captain/Team Name	Number of 33 gallon (black) trash bags filled	Number of 13 gallon (white) trash bags filled
Plum Point Park	4	0
Ocean View Beach	5	15
ODU/Lamberts Point	0	19
East Ocean View Rec Center	0	8
Bayview Elememtary	0	10
Harbor Park	0	30
Rosemont Middle School	0	5.75
Lafayette Park	0	4
Barraud PArk	0	24
1900-1300 blocks of E. Ocean View Ave	0	4
	9	**119.75**

FY23 ICC Data

Site Captain/Team Name	Estimated weight of unbagged debris	Estimated distance cleaned (miles)
Plum Point Park	70	0.01
Ocean View Beach	100	2
ODU/Lamberts Point	220	3.5
East Ocean View Rec Center	80	1.5
Bayview Elememtary	25	7
Harbor Park	20	1
Rosemont Middle School	2	1
Lafayette Park	0	1.25
Barraud PArk	15	1.5
1900-1300 blocks of E. Ocean View Ave	70	0.62
	602	**19.38**

FY23 ICC Data

Site Captain/Team Name	Number of adult volunteers	Number of child volunteers	Length of cleanup (hours)
Plum Point Park	1	3	2
Ocean View Beach	6	13	2
ODU/Lamberts Point	15	0	3
East Ocean View Rec Center	8	0	4
Bayview Elememtary	13	13	2
Harbor Park	35	9	2.5
Rosemont Middle School	2	35	1
Lafayette Park	4	0	2
Barraud PArk	25	10	1.5
1900-1300 blocks of E. Ocean View Ave	11	0	3
	120	**83**	**23**

FY23 ICC Data

Site Captain/Team Name	Cigarette butts	Food wrappers (candy, chips, etc.)	Take Out/Away Containers (plastic)
Plum Point Park	10	0	11
Ocean View Beach	318	75	5
ODU/Lamberts Point	24	59	52
East Ocean View Rec Center	133	92	6
Bayview Elememtary	56	233	3
Harbor Park	1119	269	90
Rosemont Middle School	49	133	15
Lafayette Park	44	18	58
Barraud PArk	1271	273	15
1900-1300 blocks of E. Ocean View Ave	655	49	3
	3679	**1201**	**258**

FY23 ICC Data

Site Captain/Team Name	Take Out/Away Containers (foam)	Bottle caps (plastic)	Bottle caps (metal)	Lids (plastic)
Plum Point Park	11	4	0	8
Ocean View Beach	2	70	69	16
ODU/Lamberts Point	18	35	19	30
East Ocean View Rec Center	7	58	15	5
Bayview Elememtary	5	36	8	10
Harbor Park	42	354	27	73
Rosemont Middle School	10	101	111	28
Lafayette Park	11	18	10	14
Barraud PArk	26	742	1589	6
1900-1300 blocks of E. Ocean View Ave	5	30	8	13
	137	**1448**	**1856**	**203**

FY23 ICC Data

Site Captain/Team Name	Straws/Stirrers	Forks/knives/spoons	Beverage bottles (plastic)	Beverage bottles (glass)
Plum Point Park	6	3	7	2
Ocean View Beach	29		7	24
ODU/Lamberts Point	43	19	62	21
East Ocean View Rec Center	23	3	38	24
Bayview Elememtary	21	8	52	7
Harbor Park	135	44	242	30
Rosemont Middle School	23	24	66	110
Lafayette Park	4	3	15	13
Barraud PArk	90	6	70	85
1900-1300 blocks of E. Ocean View Ave	21	0	17	1
	395	**110**	**576**	**317**

FY23 ICC Data

Site Captain/Team Name	Beverage cans	Grocery bags (plastic)	Other plastic bags	Cups and plates (paper)
Plum Point Park	6	8	34	1
Ocean View Beach	25	13	9	17
ODU/Lamberts Point	75	27	26	16
East Ocean View Rec Center	23	35	4	6
Bayview Elememtary	5	16	18	4
Harbor Park	70	71	111	48
Rosemont Middle School	37	15	11	16
Lafayette Park	19	15	15	5
Barraud PArk	63	44	47	9
1900-1300 blocks of E. Ocean View Ave	10	0	19	6
	333	**244**	**294**	**128**

FY23 ICC Data

Site Captain/Team Name	Cups and plates (plastic)	Cups and plates (foam)	Fishing Buoys, Pots & Traps
Plum Point Park	7	1	0
Ocean View Beach	6	1	
ODU/Lamberts Point	43	12	0
East Ocean View Rec Center	6	9	3
Bayview Elememtary	12	5	
Harbor Park	68	59	2
Rosemont Middle School	14	37	0
Lafayette Park	6	11	0
Barraud PArk	19	56	0
1900-1300 blocks of E. Ocean View Ave	8	0	0
	189	**191**	**5**

FY23 ICC Data

Site Captain/Team Name	Fishing Net and Pieces	Fishing Line (1 yard = 1 piece)	Rope (1 yard = 1 piece)	6-Pack Holders
Plum Point Park	0	0	3	1
Ocean View Beach		1	1	
ODU/Lamberts Point	3	18	0	12
East Ocean View Rec Center	2	30	0	1
Bayview Elememtary			1	
Harbor Park	10	29	20	2
Rosemont Middle School	7	0	1	5
Lafayette Park	0	2	0	0
Barraud PArk	0	0	0	1
1900-1300 blocks of E. Ocean View Ave	9	20	1	0
	31	**100**	**27**	**22**

FY23 ICC Data

Site Captain/Team Name	Other Plastic/Foam Packaging	Other Plastic Bottles (oil, bleach, etc.)	Strapping Bands
Plum Point Park	36	0	0
Ocean View Beach	2		1
ODU/Lamberts Point	5	8	3
East Ocean View Rec Center	9	0	0
Bayview Elememtary	8		4
Harbor Park	152	8	26
Rosemont Middle School	14	8	0
Lafayette Park	6	5	1
Barraud PArk	12	1	0
1900-1300 blocks of E. Ocean View Ave	0	0	0
	244	**30**	**35**

FY23 ICC Data

Site Captain/Team Name	Tobacco Packaging/Wrap	Condoms	Diapers	Syringes	Tampons/Tampon Applicators
Plum Point Park	0			1	
Ocean View Beach	28	1			1
ODU/Lamberts Point	25	7	1	0	0
East Ocean View Rec Center	0	0	2	1	1
Bayview Elememtary					
Harbor Park	53	2	1	0	4
Rosemont Middle School	0	6	0	0	0
Lafayette Park	10	0	2	0	0
Barraud PArk	237	1	1	0	0
1900-1300 blocks of E. Ocean View Ave	27	3	0	0	0
	380	**20**	**7**	**2**	**6**

FY23 ICC Data

Site Captain/Team Name	PPE (face masks, rubber gloves)	Appliances (refrigerators, washers, etc.)	Balloons	Cigar Tips
Plum Point Park	8			7
Ocean View Beach				28
ODU/Lamberts Point	19	0	6	27
East Ocean View Rec Center	4	0	1	13
Bayview Elememtary	24		4	14
Harbor Park	6	2	24	128
Rosemont Middle School	53	0	26	13
Lafayette Park	14	0	13	5
Barraud PArk	6	0	7	0
1900-1300 blocks of E. Ocean View Ave	0	0	0	27
	134	**2**	**81**	**262**

FY23 ICC Data

Site Captain/Team Name	Cigarette Lighters	Construction Materials	Fireworks	Tires	Foam Pieces	Glass Pieces
Plum Point Park				1		
Ocean View Beach	5				2	3
ODU/Lamberts Point	0	4	0	0	65	77
East Ocean View Rec Center	0	7	0	0	55	37
Bayview Elememtary	2	23		1	1	291
Harbor Park	10	75	0	1	218	246
Rosemont Middle School	0	22	0	1	36	76
Lafayette Park	0	0	0	0	6	12
Barraud PArk	0	16	0	1	96	0
1900-1300 blocks of E. Ocean View Ave	0	22	0	1	14	7
	17	**169**	**0**	**6**	**493**	**749**

FY23 ICC Data

Site Captain/Team Name	Plastic Pieces
Plum Point Park	5
Ocean View Beach	1
ODU/Lamberts Point	138
East Ocean View Rec Center	103
Bayview Elememtary	116
Harbor Park	680
Rosemont Middle School	36
Lafayette Park	5
Barraud PArk	97
1900-1300 blocks of E. Ocean View Ave	129
	1310

FY23 ICC Data

Site Captain/Team Name	Items of Local Concern
Plum Point Park	Clothing (10)Other waste (metal, paper) (16)
Ocean View Beach	
ODU/Lamberts Point	That was covering Zone 6,7,8 and 9Lots of broken furniture, cars parts and housing material.
East Ocean View Rec Center	N/A
Bayview Elememtary	Clothing- 14Dental flosser, bandaids, makeup -20Writing instruments (pencils, pens, chalk, markers) -15
Harbor Park	
Rosemont Middle School	Pens/PencilsMouth Guards
Lafayette Park	Diapers, Razor Blades, Lottery Tickets
Barraud PArk	Bricks, razor, grill grate, carpet, trellis
1900-1300 blocks of E. Ocean View Ave	

FY23 ICC Data

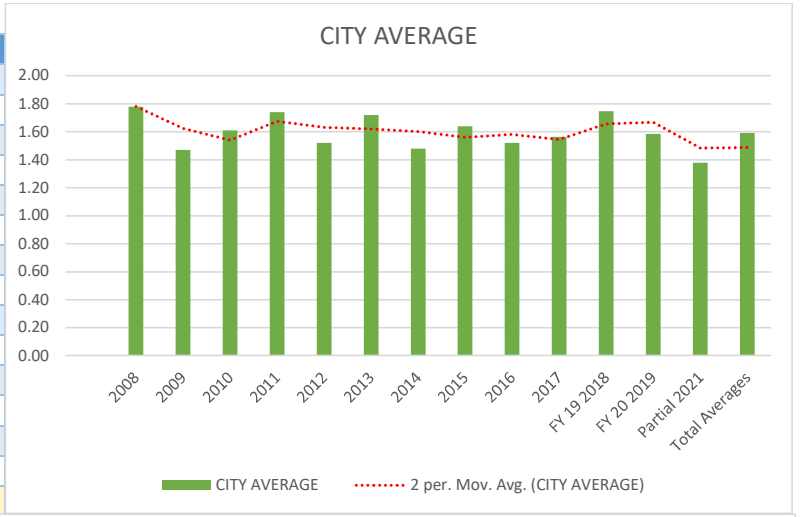
Site Captain/Team Name	Did you find dead or injured animals?	If yes, were they entagled?
Plum Point Park	No animal found	
Ocean View Beach	Dead	No
ODU/Lamberts Point	No animal found	
East Ocean View Rec Center	Dead	No
Bayview Elememtary	No animal found	No
Harbor Park	No animal found	
Rosemont Middle School	No animal found	No
Lafayette Park	No animal found	No
Barraud PArk	No animal found	No
1900-1300 blocks of E. Ocean View Ave	Dead	No

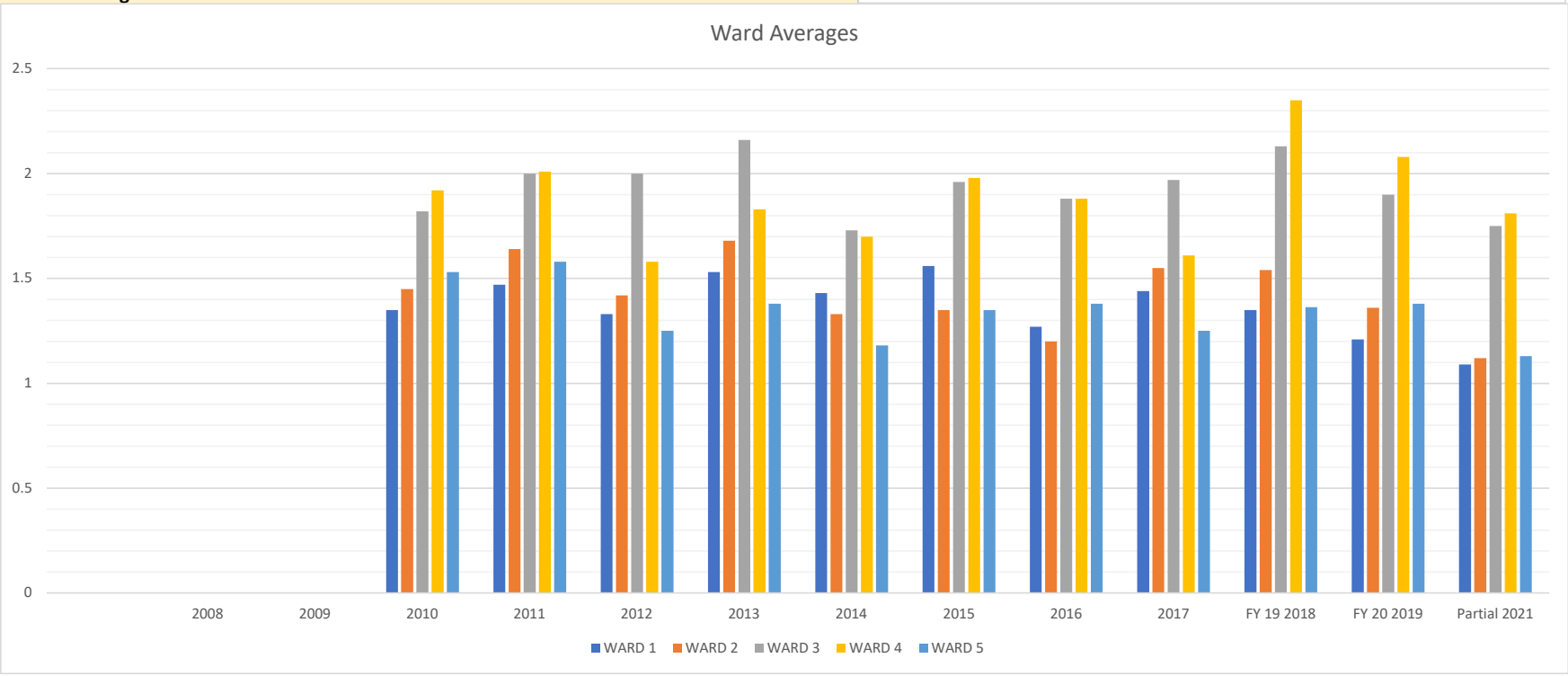
FY23 ICC Data

Site Captain/Team Name	If animal was entagled, what item were they entagled in?	x	y
Plum Point Park		-76.307	36.86034
Ocean View Beach		-76.2528	36.95559
ODU/Lamberts Point		-76.308	36.88105
East Ocean View Rec Center		-76.1946	36.92614
Bayview Elememtary		-76.236	36.93543
Harbor Park		-76.2795	36.84273
Rosemont Middle School	N/A	-76.2368	36.90551
Lafayette Park		-76.282	36.87857
Barraud PArk		-76.2655	36.86427
1900-1300 blocks of E. Ocean View Ave		-76.222	36.93865

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
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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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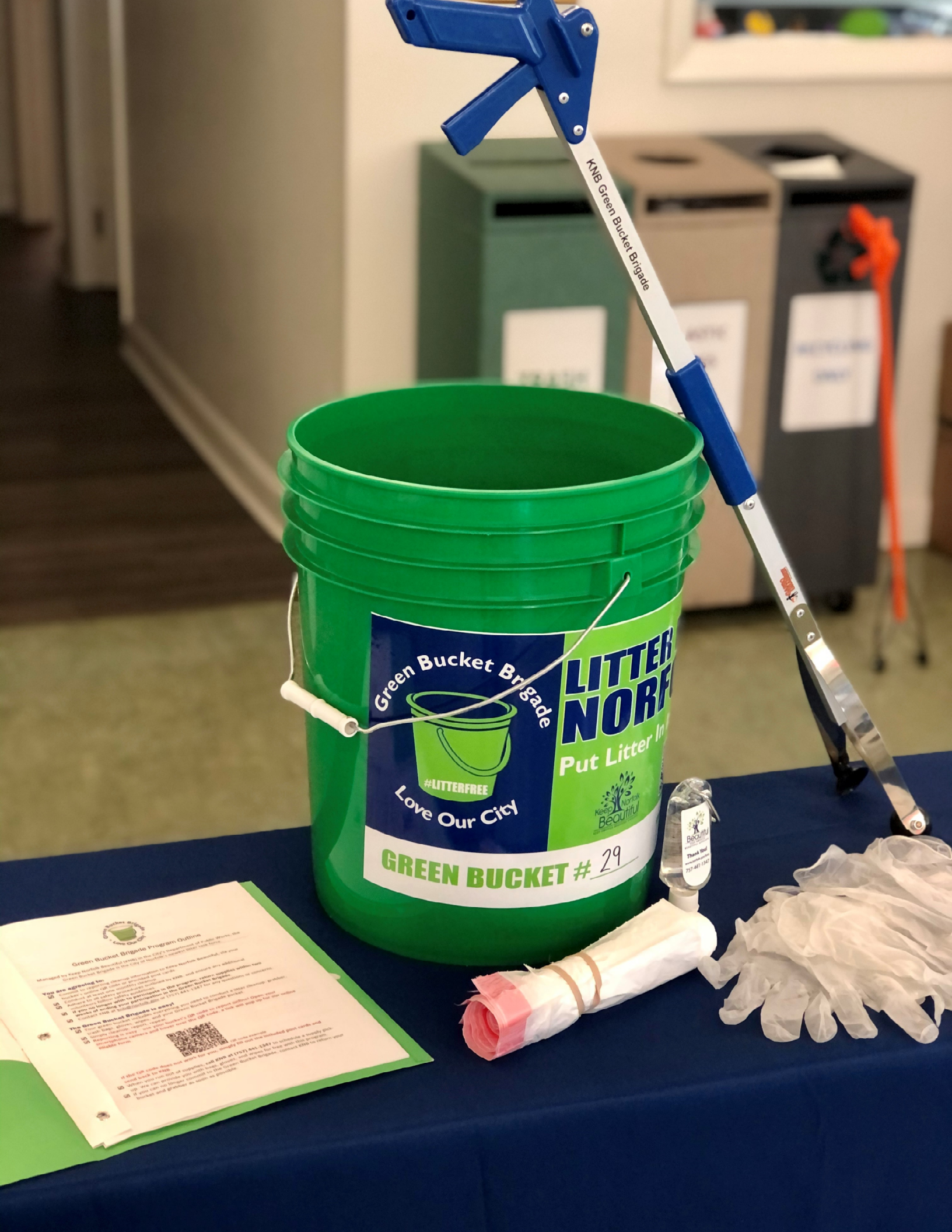
757-681-3477
jasmine.duncan@norfolk.gov

Keep Norfolk Beautiful - Beautification Events FY2023

Location	Date	First Name	Last Name	Group	# of public spaces cleaned/improved	# New/maintained garden/greenspace	# of trees planted	# plants, shrubs, flowers, and bulbs planted	# of Volunteers	Length of Event	Volunteer Hours	Bulk (non organic) LBS	Yard Waste Bags
Riverpoint Playground	7/9/2022 0:00	Ruth	Martin	LWP	1	1	0	0	17	2	34		
Midfields Wetlands Walk	7/23/2022 0:00	Ruth	Martin	LWP	1	1	0	0	23	2	46	0	55
Colonial Place Mayflower Rd	7/30/2022 0:00	John	Stewart	LWP	1	1	0	0	15	1.5	22.5	0	16
Wisconsin Square	7/9/2022 0:00	Mark	Fulton	Wisconsin Square Cleanup Corps		0	0	30	5	2	10	0	
Plum Point Park	9/22/2022 0:00	Morgan	Willett	ERT	1	1	0	0	5	4	20	0	11
Jeff Robertson Park	10/28/2022 0:00	Liz	Paiste	Garden Club of Norfolk		1	17	124	67	3	201	0	
Hermitage Museum and Gardens	11/1/2022 0:00	Phil	Riske	Hermitage Museum and Gardens	1	0	0	0	8	2.5	20	0	15
Granby Willowwood Native Plant Buffer	11/6/2022 0:00	Hunter	White	LWP	1	0	0	22	12	2	24	20	3
Jeff Robertson Park	11/10/2022 0:00	Liz	Paiste	Garden Club of Norfolk	1	1	0	1575	34	3.5	119	0	
Plum Point Park	11/20/2022 0:00	Morgan	Willett	ERT	1	0	0	0	4	2.5	10	80	4
ERT Trail Day Cleanup	4/22/2023 0:00	Morgan	Willett	Elizabeth River Trail	1	1	6	11	37	3.5	129.5		3
Bioretention Cell Cleanup and Planting	5/6/2023 9:00	Sarah	Sterzing	Chesterfield Heights CL	1	1		323	14	2	300	30	0
Phragmites Control at Knitting Mill Creek Living Shoreline	5/9/2023 0:00	Ruth	Martin	LWP	1				5	1	5	100	4
Weyanoke Tree Planting	4/21/2023 0:00	Keep Norfolk Beautiful		Dollar Tree	1		15		11	4.5	49.5	250	6
Phragmite Control	5/20/2023 0:00	Ruth	Martin	LWP	1	1		5	16	2.5	40	100	10

Keep Norfolk Beautiful - Cigarette Receptacle Giveaways FY2023

Business Name	Street Address	POC Contact Details	Business Type	Use (Public, Staff, both)	Receptacle Source (KNB Purchase, HRPDC, Other)	Unit Type (Standing, or Wall Mounted)	# of units awarded	Date of Award
City of Norfolk Police Department	811 E City Hall Ave-Room 100	joseph.miolla@norfolk.gov	City Department	Staff	HRPDC	1-Free-Standing	1	7/20/2022
CJ's Catered Greatness	215 Ethel Ave, Norfolk 23504	chefchaevis@gmail.com	Catering	Both	KNB	1-Free-Standing	1	8/10/2022
CSB Sites-Picked up by Goodman	To Come		Homeless Hotels	Both	HRPDC	2-Free Standing	2	9/26/2022
Bold Mariner	1901 E. OV Ave	caroline@boldmariner.com	Brewery	Both	HRPDC/KNB/KVB	2 Free Standing and 1 wall mount	3	10/4/2022
AW Shucks	2200 Colonial Ave	shucksnorfolk@gmail.com	Restaurant	Both	HRPDC	1-Free Standing	1	10/12/2022
Waste Management-City of Norfolk	1176 Pineridge Road		Business	staff	KVB	1-Free Standing	1	10/26/2022
Bettter Business Bureau	586 Virginian Ave	cbrown@hamptonroadsbbb.org	Association	Both	KVB	2 Free Standing	2	1/6/2023
Norfolk Elks Lodge 38	1231 Typo Ave	paynorfolklodge38@gmail.com	Faternal organization	Both	KVB	1-Free-Standing	1	1/27/2023
Ocean View Fishing Peir	414 W Ocean View Ave	carolinesleeper12@gmail.com	Restaurant/other	Both	KVB	2-Free Standing	2	2/8/2023
Stop N Go 4	711 East Virginia beach Blvd. Norfolk, VA 23504.	Bobby Patel	convenience store	both	HRPDC	standing	2	3/20/2023
CLPP at Storm Water	McKann	June Whitehurst	NPW	Staff	HRPDC	Standing	1	5/15/2023
CLPP Stanhope House	2715 Stanhope Avenue	Gail Parker (CH Civic League President)	Perm. Supportive Housing, Recovery and Homeless Prevention Program	1	HRPDC	Standing	1	5/15/2023
Captain Groovy's Grill & Raw Bar	8101 Shore Dr, Norfolk, VA 23518	Sandy White, Owner	Restaurant and Bar	Both	KVB	Wall Mounted	2	5/18/2023


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

Keep Norfolk Beautiful - Green Bucket Brigade Events FY2023

Green Bucket #	First Name	Last Name	Cleanup Date	Cleanup Location	Number of Bags	Lbs of Trash	Number of Volunteers
49	Mary	Babcock	7/2/2022 0:00	Ballentine Blvd	16	240	1
94	Dusti	Johnson-Brinker	7/3/2022 0:00	Pinewell	1	15	3
35	Gail	Irby	7/3/2022 0:00	Cottage Road Park	2	30	1
34	Kathy	Moore	7/3/2022 0:00	Cottage Road Park	2	30	1
50	Kelly	Flammia	7/3/2022 0:00	Ocean View Beach	4	60	1
99	Liz	Burns	7/5/2022 0:00	Pinewell	3	45	1
94	Dusti	Johnson-Brinker	7/6/2022 0:00	Pinewell	1	15	2
17	Jon	Landis	7/7/2022 0:00	Ocean View Beach	2	30	2
94	Dusti	Johnson-Brinker	7/12/2022 0:00	Pinewell	2	30	1
94	Dusti	Johnson-Brinker	7/13/2022 0:00	Pinewell	1	15	1
94	Dusti	Johnson-Brinker	7/14/2022 0:00	Pinewell	1	15	1
94	Dusti	Johnson-Brinker	7/15/2022 0:00	Pinewell	1	15	1
112	Alexandre	Migala	7/16/2022 0:00	Ocean View Beach	3	45	1
94	Dusti	Johnson-Brinker	7/18/2022 0:00	Pinewell	1	15	1
94	Dusti	Johnson-Brinker	7/19/2022 0:00	Pinewell	1	15	1
60	Sam	Haga	7/19/2022 0:00	907 Colley Ave	1	15	1
94	Dusti	Johnson-Brinker	7/21/2022 0:00	Pinewell	1	15	1
79	Jeff	Stark	7/21/2022 0:00	38th Street	2	30	1
94	Jerome	Brinker	7/22/2022 0:00	Pinewell beach	2	30	2
94	Dusti	Johnson-Brinker	7/23/2022 0:00	Pinewell Beach	2	30	1
112	Alexandre	Migala	7/24/2022 0:00	OV Community Beach	6	90	1
94	Jerome	Brinker	7/24/2022 0:00	Pinewell Beach	2	30	2
94	Dusti	Johnson-Brinker	7/25/2022 0:00	Pinewell Beach Ocean View	1	15	2
17	Jon	Landis	7/26/2022 0:00	Ocean View Beach	4	60	1
94	Dusti	Johnson-Brinker	7/27/2022 0:00	Pinewell Ocean View	1	15	1
36	Nicole	Knudson	7/27/2022 0:00	Colley Ave 4900 Block	1	15	1
112	Alexandre	Migala	7/30/2022 0:00	Community Beach Park	2	30	1
13	Chaevis	Johnson El	7/30/2022 0:00	LaValette Ave	4	60	1
94	Dusti	Johnson-Brinker	7/31/2022 0:00	Pinewell Beach	1	15	1
28	Jennifer	Van Davier	7/31/2022 0:00	Lakewood Park	1	15	2
94	Dusti	Johnson-Brinker	8/1/2022 0:00	Pinewell Beach	2	30	1
76	Darrel	Huff	8/2/2022 0:00		1	15	1
94	Dusti	Johnson-Brinker	8/2/2022 0:00	Pinewell Beach	2	30	2
94	Dusti	Johnson-Brinker	8/3/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	8/5/2022 0:00	Pinewell Beach	1	15	1
112	Alexandre	Migala	8/7/2022 0:00	OV Community Beach	2	30	1
17	Jon	Landis	8/7/2022 0:00	Ocean View Beach	2	30	2
94	Dusti	Johnson-Brinker	8/8/2022 0:00	Pinewell Beach	1	15	1
94	Jerome	Brinker	8/9/2022 0:00	Pinewell Beach	3	45	2
94	Dusti	Johnson-Brinker	8/11/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	8/13/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	8/15/2022 0:00	Pinewell Beach	2	30	1
94	Dusti	Johnson-Brinker	8/16/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	8/16/2022 0:00	Pinewell Beach	3	45	1
94	Jerome	Brinker	8/17/2022 0:00	Pinewell Beach	2	30	2
94	Dusti	Johnson-Brinker	8/18/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	8/22/2022 0:00	Pinewell Beach	2	30	1
94	Dusti	Johnson-Brinker	8/24/2022 0:00	Community Beach	1	15	1
94	Dusti	Johnson-Brinker	8/25/2022 0:00	Community Beach	1	15	1
0	Ke	Kimidy	8/26/2022 0:00	Pinewell Beach	1	15	1
36	Nicole	Knudson	8/26/2022 0:00	Colley Ave	1	15	1
102	Dane	Blythe	8/27/2022 0:00	Newport Avenue	1	15	1
94	Dusti	Johnson-Brinker	8/29/2022 0:00	Community Beach OV	1	15	1
94	Jerome	Brinker	8/30/2022 0:00	Pinewell Beach	2	30	2
94	Dusti	Johnson-Brinker	8/31/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	9/1/2022 0:00	Pinewell Beach	1	15	2
94	Dusti	Johnson-Brinker	9/4/2022 0:00	Community Beach	2	30	2
94	Dusti	Johnson-Brinker	9/5/2022 0:00	Pinewell Beach	1	15	2
94	Dusti	Johnson-Brinker	9/5/2022 0:00	Pinewell Beach	1	15	1
17	Jon	Landis	9/5/2022 0:00	OV Beach	2	30	2
99	Liz	Burns	9/5/2022 0:00	Pinewell Beach	3	45	1
94	Dusti	Johnson-Brinker	9/6/2022 0:00	Pinewell Beach	2	30	1
94	Dusti	Johnson-Brinker	9/7/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	9/9/2022 0:00	Community Beach	2	30	1
94	Jerome	Brinker	9/11/2022 0:00	Pinewell Beach	2	30	2
94	Dusti	Johnson-Brinker	9/12/2022 0:00	Community Beach	2	30	1
94	Dusti	Johnson-Brinker	9/12/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	9/13/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	9/14/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	9/16/2022 0:00	Pinewell Beach	1	15	1
115	Carmen	Bryant	9/17/2022 0:00	Bayview Elementary School	3	45	13
94	Dusti	Johnson-Brinker	9/17/2022 0:00	Pinewell Beach	1	15	1
116	Jayme	Otero	9/18/2022 0:00	Evelyn Ott School of Dance	1	15	2
94	Jerome	Brinker	9/18/2022 0:00		1	15	2
94	Dusti	Johnson-Brinker	9/20/2022 0:00	Pinewell Beach	2	30	1
94	Dusti	Johnson-Brinker	9/21/2022 0:00	Pinewell Beach	0.5	7.5	1
36	Nicole	Knudson	9/21/2022 0:00	Colley Ave	1	15	1

Keep Norfolk Beautiful - Green Bucket Brigade Events FY2023

Green Bucket #	First Name	Last Name	Cleanup Date	Cleanup Location	Number of Bags	Lbs of Trash	Number of Volunteers
94	Dusti	Johnson-Brinker	9/22/2022 0:00	Pinewell Beach	1	15	1
17	Jon	Landis	9/25/2022 0:00	Ocean View Beach	1	15	1
94	Dusti	Johnson-Brinker	9/26/2022 0:00	Pinewell Beach	1	15	1
28	Jennifer	VanDavier	9/28/2022 0:00	St. Marys	1	15	2
10	Ayla	Marhev	10/1/2022 0:00	Community Beach	21	315	1
94	Jerome	Brinker	10/1/2022 0:00	Pinewell Beach	4	60	2
94	Dusti	Johnson-Brinker	10/6/2022 0:00	Community Beach Park	1	15	1
94	Dusti	Johnson-Brinker	10/7/2022 0:00	Pinewell Beach Oceanview	1	15	2
94	Dusti	Johnson-Brinker	10/9/2022 0:00	Pinewell Beach	2	30	2
94	Dusti	Johnson-Brinker	10/11/2022 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	10/12/2022 0:00	Community Beach Oceanview	1	15	1
94	Dusti	Johnson-Brinker	10/13/2022 0:00	Community Beach	1	15	1
17	Jon	Landis	10/13/2022 0:00	Ocean View Beach	2	30	1
94	Dusti	Johnson-Brinker	10/14/2022 0:00	Community Beach Ocean	1	15	2
94	Dusti	Johnson-Brinker	10/15/2022 0:00	Community Beach Ocean View	1	15	1
94	Dusti	Johnson-Brinker	10/16/2022 0:00	Community Beach Ocean View	1	15	1
94	Dusti	Johnson-Brinker	10/18/2022 0:00	Community Beach	1	15	1
28	Jennifer	VanDavier	10/18/2022 0:00	St. Mary's	1	15	3
87	Christine	Dore	10/21/2022 0:00	W. Princess Anne , Hampton Blvd., Baldwin, Matoka, and Spotswood	1	15	2
94	Dusti	Johnson-Brinker	10/21/2022 0:00	Community Beach	1	15	1
102	Dane	Blythe	10/26/2022 0:00	Newport Ave between New Hampshire and Mayflower	1	15	1
36	Nicole	Knudson	10/28/2022 0:00	Colley Ave	1	15	1
4	Jennifer	Adams	10/30/2022 0:00	Willow Wood Drive	6	90	1
72	Julia	Cornelius	10/30/2022 0:00	Granby St. From Princess Anne to Shirley	3	45	1
94	Dusti	Johnson-Brinker	11/1/2022 0:00	Community Beach	1	15	1
94	Jerome	Brinker	11/2/2022 0:00	Pinewell Beach	1	15	2
94	Jerome	Brinker	11/3/2022 0:00	Pinewell Beach	3	45	3
94	Dusti	Johnson-Brinker	11/5/2022 0:00	Community Beach	1	15	1
94	Dusti	Johnson-Brinker	11/6/2022 0:00	Community Beach	1	15	1
94	Dusti	Johnson-Brinker	11/7/2022 0:00	Community Beach	1	15	1
99	Liz	Burns	11/7/2022 0:00	Pinewell Beach	2	30	1
94	Dusti	Johnson-Brinker	11/12/2022 0:00	Community Beach	1	15	2
94	Dusti	Johnson-Brinker	11/12/2022 0:00	Comm Beach OV	1	15	1
18	Sheri	Hogue	11/13/2022 0:00	Bancker Rd	1	15	1
94	Dusti	Johnson-Brinker	11/15/2022 0:00	Community Beach	1	15	1
94	Dusti	Johnson-Brinker	11/15/2022 0:00	Comm Beach OV	1	15	1
94	Dusti	Johnson-Brinker	11/17/2022 0:00	Community beach	1	15	1
94	Dusti	Johnson-Brinker	11/18/2022 0:00	Comm Beach OV	1	15	1
88	Carmen	Bryant	11/19/2022 0:00	Bayview Elementary	2	30	3
94	Dusti	Johnson-Brinker	11/20/2022 0:00	Community Beach	1	15	1
94	Jerome	Brinker	11/26/2022 0:00	Pinewell Beach	2	30	2
36	Nicole	Knudson	11/26/2022 0:00	Colley Ave from 49th to 51st	1	15	1
94	Dusti	Johnson-Brinker	11/27/2022 0:00	Community Beach	1	15	1
94	Dusti	Johnson-Brinker	12/1/2022 0:00	Community Beach OceanView	0.5	7.5	1
116	Jayme	Otero	12/1/2022 0:00	Evelyn Ott School of Dance	1	15	2
88	Carmen	Bryant	12/10/2022 0:00	Bayview Elementary	2	30	3
115	Carmen	Bryant	12/10/2022 0:00	Bayview Elementary	4	60	7
94	Dusti	Johnson-Brinker	12/10/2022 0:00	Community Beach	1	15	2
94	Jerome	Brinker	12/17/2022 0:00	Pinewell Beach	2	30	2
17	Jon	Landis	12/17/2022 0:00	Ocean View Beach	2	30	2
60	Sam	Haga	12/27/2022 0:00	907 colley block	1	15	1
94	Jerome	Brinker	1/2/2023 0:00	Pinewell Beach	1	15	2
87	Christine	Dore	1/5/2023 0:00	West Princess Anne Rd. Hampton Blvd. and Baldwin Ave	2	30	2
94	Dusti	Johnson-Brinker	1/5/2023 0:00	Community Beach	1	15	1
94	Dusti	Johnson-Brinker	1/6/2023 0:00	Community Beach	0.5	7.5	1
94	Jerome	Brinker	1/7/2023 0:00	Pinewell Beach	1	15	2
13	Chaevis	El	1/7/2023 0:00	LaValette Avenue	5	75	1
26	Darryl	Huff	1/11/2023 0:00		1	15	1
28	Jennifer	VanDavier	1/12/2023 0:00	St. Marys	1	15	2
102	Dane	Blythe	1/14/2023 0:00	Delaware Ave from 38th St to Colonial Place Dog park	2	30	1
94	Jerome	Binker	1/16/2023 0:00	Pinewell Beach	0.5	7.5	2
99	Liz	Burns	1/16/2023 0:00	Pinewell	0.5	7.5	1
94	Jerome	Brinker	1/21/2023 0:00	Pinewell Beach	1	15	2
17	Jon	Landis	1/29/2023 0:00	Ocean View Beach	1	15	1
36	Nicole	Knudson	1/31/2023 0:00	Colley Ave 4900 Block	1	15	1
102	Dane	Blythe	2/4/2023 0:00	Mayflower and Newport Ave	1	15	1
13	Chaevis	Johnson El	2/4/2023 0:00	LaValette Avenue and Lafayette Park Perimeter	3	45	1
94	Dusti	Johnson-Brinker	2/6/2023 0:00	Pinewell Beach	2	30	2
94	Dusti	Johnson-Brinker	2/7/2023 0:00	Community Beach	0.5	7.5	1
94	Dusti	Johnson-Brinker	2/8/2023 0:00	Pinewell Beach	0.5	7.5	1
94	Dusti	Johnson-Brinker	2/9/2023 0:00	Pinewell Beach Oceanview	1	15	1
35	Fail	Irby	2/11/2023 0:00	Cottage Road Park	6	90	1
18	Sheri	Hogue	2/15/2023 0:00	Westcliff Dr. and Bancker Rd.	1	15	1
94	Jerome	Brinker	2/15/2023 0:00	Pinewell Beach	2	30	2
94	Jerome	Brinker	2/16/2023 0:00		1	15	2
94	Jerome	Brinker	2/17/2023 0:00		1	15	2
94	Dusti	Johnson-Brinker	2/19/2023 0:00	Pinewell Beach	1	15	1

Keep Norfolk Beautiful - Green Bucket Brigade Events FY2023

Green Bucket #	First Name	Last Name	Cleanup Date	Cleanup Location	Number of Bags	Lbs of Trash	Number of Volunteers
94	Dusti	Johnson-Brinker	2/20/2023 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	2/21/2023 0:00	Pinewell Beach OV	2	30	2
94	Dusti	Johnson-Brinker	2/22/2023 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	2/23/2023 0:00	Pinewell Beach	1	15	1
94	Dusti	Johnson-Brinker	2/25/2023 0:00		1	15	1
94	Dusti	Johnson-Brinker	2/26/2023 0:00	Community Beach	1	15	2
34	Kathy	Moore	2/26/2023 0:00	Cottage Road Park	4	60	1
94	Dusti	Johnson-Brinker	2/27/2023 0:00	Community Beach	1	15	1
94	Dusti	Johnson-Brinker	2/28/2023 0:00	Community Beach	1	15	2
94	Dusti	Johnson-Brinker	3/1/2023 0:00	Community Beach	1	15	1
88	Carmen	Bryant	3/1/2023 0:00	E Bay View Blvd and Bay View Elementary	3	45	1
94	Jerome	Brinker	3/2/2023 0:00	Pinewell Beach	1	15	2
94	Jerome	Brinker	3/4/2023 0:00	Pinewell Beach	1	15	2
88	Carmen	Bryant	3/4/2023 0:00	Bayview Elementary		45	2
13	Chaevis	Johnson El	3/4/2023 0:00	LaValette Ave	4	60	1
94	Dusti	Johnson-Brinker	3/5/2023 0:00	Pinewell Beach	1	15	2
35	Gail	Irby	3/5/2023 0:00	Cottage Road Park	4	60	1
94	Dusti	Johnson-Brinker	3/6/2023 0:00	Community Beach OV	0.5	7.5	1
313	Robert	Lauser	3/9/2023 0:00	Norview High School	7	105	10
33	Kathy	Moore	3/12/2023 0:00	Cottage Road	4	60	2
35	Gail	Irby	3/12/2023 0:00	Cottage Road Park	2	30	1
94	Dusti	Johnson-Brinker	3/15/2023 0:00	Comm Beach OV	1	15	1
313	Robert	Lauser	3/16/2023 0:00	Norview High School	3	45	13
94	Dusti	Johnson-Brinker	3/16/2023 0:00	Community Beach Oceanview	1	15	1
94	Dusti	Johnson-Brinker	3/21/2023 0:00	Comm Beach OV	1	15	1
94	Dusti	Johnson-Brinker	3/24/2023 0:00	Pinewell OV	1	15	1
94	Dusti	Johnson-Brinker	3/25/2023 0:00	Pinewell OV	18	270	7
94	Dusti	Johnson-Brinker	3/26/2023 0:00	Comm Beach OV	0.5	7.5	1
94	Dusti	Johnson-Brinker	3/27/2023 0:00	Comm Beach OV	0.5	7.5	1
315	Robert	Lauser	3/28/2023 0:00	Norview HS	6	90	8
94	Jerome	Brinker	3/28/2023 0:00	Pinewell Beach	1	15	2
87	Christine	Dore	3/28/2023 0:00	W Princess Anne / Hampton Blvd	1	15	2
94	Dusti	Johnson-Brinker	3/29/2023 0:00	Comm Beach OV	2	30	1
94	Dusti	Johnson-Brinker	3/29/2023 0:00	Comm Beach OV	2	30	2
94	Dusti	Johnson-Brinker	3/30/2023 0:00	Comm Beach OV	1	15	2
36	Nicole	Knudson	3/31/2023 0:00	4900 blk of Colley	1	15	1
94	Dusti	Johnson-Brinker	4/2/2023 0:00	Comm Beach OV	2	30	1
94	Dusti	Johnson-Brinker	4/3/2023 0:00	Pinewell Beach OV	1	15	1
60	Sam	Haga	4/4/2023 0:00	907 Colley	1	15	1
94	Dusti	Johnson-Brinker	4/5/2023 0:00	Comm Beach OV	1	15	1
94	Jerome	Brinker	4/10/2023 0:00	Pinewell beach	1	15	2
94	Dusti	Johnson Brinker	4/13/2023 0:00	Comm Beach OV	2	30	2
112	Alexandre	Migala	4/30/2023 0:00	OV Community Beach	1	15	1
94	Dusti	Johnson-Brinker	5/1/2023 0:00	Community Beach OV	2	30	1
94	Dusti	Johnson-Brinker	5/2/2023 0:00	Community Beach OV	1	15	1
94	Dusti	Johnson-Brinker	5/3/2023 0:00	Community Beach OV	1	15	1
94	Dusti	Johnson-Brinker	5/4/2023 0:00	Community Beach OV	1	15	1
94	Dusti	Johnson-Brinker	5/5/2023 0:00	Community Beach OV	1	15	1
28	Jennifer	Vandavier	5/5/2023 0:00	Albero Home	1	15	4
94	Dusti	Johnson-Brinker	5/7/2023 0:00	Community Beach OV	2	30	1
94	Dusti	Johnson-Brinker	5/8/2023 0:00	Community Beach OV	3	45	1
94	Dusti	Johnson-Brinker	5/9/2023 0:00	Community Beach OV	1	15	1
94	Dusti	Johnson-Brinker	5/10/2023 0:00	Community Beach OV	2	30	1
320	Charity	Murray	5/10/2023 0:00	Oceanair Elementary School	1	15	1
94	Dusti	Johnson-Brinker	5/16/2023 0:00	Community Beach OV	1	15	1
94	Dusti	Johnson-Brinker	5/18/2023 0:00	Community Beach OV	1	15	1
94	Dusti	Johnson-Brinker	5/18/2023 0:00	Community Beach	2	30	1
13	Chaevis	Johnson El	5/21/2023 0:00	2900 Block of Marne Ave, 2900-3000 Blocks of Chesapeake Blvd, 2800 Block	4	60	2
94	Dusti	Johnson-Brinker	5/22/2023 0:00	Community Beach	2	30	1
94	Dusti	Johnson-Brinker	5/23/2023 0:00	Community Beach	2	30	1
94	Dusti	Johnson-Brinker	5/25/2023 0:00	Community Beach OV	2	30	1
323	Jazmine	Garcia	5/26/2023 0:00	Campostella Cypress St. Melon Ave	3	45	12
94	Dusti	Johnson-Brinker	5/31/2023 0:00	Community Beach OV	1	15	1
318	Allison	Hazzard	5/31/2023 0:00	Blair Middle School	1	15	22
94	Dusti	Johnson-Brinker	6/2/2023 0:00	Community Beach Oceanview	2	30	1
112	Alexandre	Migala	6/2/2023 0:00	OV Community Beach	1	15	1
94	Dusti	Johnson-Brinker	6/5/2023 0:00	Community Beach OV	1	15	1
94	Dusti	Johnson-Brinker	6/5/2023 0:00	Pinewell Beach	1	15	2
94	Dusti	Johnson-Brinker	6/6/2023 0:00	Community Beach OV	2	30	2
36	Nicole	Knudsen	6/7/2023 0:00	Colley Ave. 49th St.	1	15	2
94	Dusti	Johnson-Brinker	6/11/2023 0:00	Community Beach OV	1	15	1
112	Alexandre	Migala	6/13/2023 0:00	OV Community Beach	2	30	1
94	Dusti	Johnson-Brinker	6/13/2023 0:00	Community Beach OV	4	60	2
94	Jerome	Brinker	6/13/2023 0:00	Pinewell Beach	1	15	2
94	Dusti	Johnson-Brinker	6/14/2023 0:00	Community Beach OV	3	45	1
94	Dusti	Johnson-Brinker	6/15/2023 0:00	Community Beach OV	2	30	1
94	Dusti	Johnson-Brinker	6/19/2023 0:00	Community Beach OV	4	60	1

Keep Norfolk Beautiful - Green Bucket Brigade Events FY2023

Green Bucket #	First Name	Last Name	Cleanup Date	Cleanup Location	Number of Bags	Lbs of Trash	Number of Volunteers
112	Alexandre	Migala	6/19/2023 0:00	OV Community Beach	5	75	1
94	Dusti	Johnson-Brinker	6/23/2023 0:00	Community Beach	2	30	2
112	Alexandre	Migala	6/25/2023 0:00	OV Community Beach	3	45	1

Keep Norfolk Beautiful - Pet Waste Bags FY2023

Station Location	Address of Station	Civic League/Group	Name	# of Bags	Date of pickup
Mowbray Arch and Fairfax Ave.	536 Mowbray Arch	Caring for Creation and Christ and St. Luke's	Kim Montalvo	1600	11/1/2022
Inleft Rd and Lynn River	8500 Lynn River Road	Bayview-Inlet and Lynn River	Megan Coleman	800	9/12/2022
Beach View beach access	9600 Beach View St.	Cottage Line CL	Paul Evans	800	7/18/2022
Beach View beach access	9600 Beach View St.	Cottage Line CL	Paul Evans	1600	12/1/2022
Cape View beach access	1872 Ocean View Ave.	Cottage Line CL	Ken Paulson	800	7/18/2022
Beaumont St. beach access/1600 E Ocean View	1538 East Ocean View Ave.	Cottage Line CL	Ken Paulson	800	7/18/2022
Triangle Dog Park	1017 Cambridge Crescent	Larchmont	Dorothy Winn	1600	8/11/2022
Triangle Dog Park	1017 Cambridge Crescent	Larchmont	Dorothy Winn	1600	11/4/2022
Triangle Dog Park	1017 Cambridge Crescent	Larchmont	Dorothy Winn	1600	2/8/2023
Freemason Green	300 College Place	Freemason Area Assoc.	Jack Kavanaugh	1600	9/12/2022
Jeff Robertson Park	1400 Azalea Court	West Ghent		1600	12/5/2022
Warwick Ave. Beach Access	1140 Warwick Ave.	Cottage Line CL	Paul Evans	800	12/1/2022
Suburban Park School	7210 Galveston Blvd.	Suburban Acres	Doug and C L	1600	10/20/2022
Mowbray Arch and Fairfax Ave.	536 Mowbray Arch	Caring for Creation and Christ and St. Luke's	Bruce Dalcher	800	2/9/2023
Boutetout St.	The Hague	Caring for Creation and Christ and St. Luke's	Bruce Dalcher	800	2/9/2023
Riverview	3837 Beach Ave.	Colonial Place/Riverview	Norman Colpitts	4800	3/28/2023
Mowbray Arch and Fairfax Ave	536 Mowbray Arch	Caring for Creation and Christ and St Lukes	Kim Montalvo	1600	4/20/2023
Triangle Dog Park	1017 Cambridge Crescent	Larchmont	Dorothy Winn	1600	5/18/2023
Jeff Robertson Park	1400 Azalea Court	West Ghent Civic League		1600	5/22/2023
Wells Parkway	9631 Wells Pkwy	Greater Pinewell Civic League		1600	5/22/2023

Keep Norfolk Beautiful - Presentations Outreach FY2023

Event/Workshop Name	Date	Presenter First Name	Presenter Last Name	Staffed (Y/N)	# of Attendees	Location Name	Length of Event(s)	Type of Event
Young Terrace National Night Out	8/3/2022 0:00	Sarah	Sterzing	Yes	85	Young Terrace	5	Table Display (outreach/education)
Neighborhood Expo	9/17/2022 0:00	Faith	Martin	yes	100	Northside Park	4	Table Display (outreach/education)
NSU Volunteer Fair	9/20/2022 0:00	Faith	Martin	yes	25	NSU	3	Table Display (outreach/education)
Talbot Park Garden Club	10/12/2022 0:00	Sarah	Sterzing	Yes	45	Talbot Park	1	Presentation (CL or other Org)
Faith and Blue Public Safety Day ODU	10/15/2022 0:00	Faith	Martin	Yes	25	ODU	2	Table Display (outreach/education)
Children's Harbor Hampton Roads	10/15/2022 0:00	Sarah	Sterzing	No	452	Granby High School	3	Table Display (outreach/education)
ODU STEM Volunteer and Job Fair	11/9/2022 0:00	Faith	Martin	Yes	50	ODU	4	Table Display (outreach/education)
Tucker House Recycling Presentation	11/15/2022 0:00	Faith	Martin	Yes	20	Tucker House	1	Presentation (CL or other Org)
Norfolk Collegiate Experiential Learning Fair	11/28/2022 0:00	Faith	Martin	Yes	25	Norfolk Collegiate	1	Table Display (outreach/education)
West Ghent Civic League Open House	1/19/2023 0:00	Sarah	Sterzing	Yes	150	St. Andrews Ep. Church	2.5	Table Display (outreach/education)
Placemaking Workshop	1/31/2023 0:00	Fleta	Jackson	yes	19	Pretlow Library	1.5	Workshop (public or adult specific)
HRPDC Regional Mtg: Litter Study	2/2/2023 10:00	Sarah	Sterzing	Y	46	HRPDC-Zoom	1	Presentation (CL or other Org)
Ballantine Place Civic League	3/16/2023 19:00	Sarah	Sterzing	Yes	23	Trinity Word of Faith Baptist Church	1.5	Presentation (CL or other Org)
Engage Norfolk	3/19/2023 9:00	Sarah	Sterzing	Y	200	Norfolk Scope Hall	5	Table Display (outreach/education)
Virginia Green Travel Alliance Conference with KAB and KVB	3/21/2023 11:00	Sarah	Sterzing	Y	24	VA Beach Convention Center	1	Presentation (CL or other Org)
Greater Pinewell Civic League	3/21/2023 18:30	Sarah	Sterzing	Y	22	Miles Memorial MC	2	Presentation (CL or other Org)
Meatless Monday - Lafayette Park	4/3/2023 0:00	Keep Norfolk Beautiful		Y	30	Lafayette Park	2	Table Display (outreach/education)
Chesterfield Heights Civic League	4/3/2023 18:30	Sarah	Sterzing	Y	19	Norfolk Stanhope House	2	Presentation (CL or other Org)
Meatless Monday - Storm Water	4/10/2023 0:00	Keep Norfolk Beautiful		Y	30	Storm Water	2	Table Display (outreach/education)
Meatless Monday - City Hall	4/17/2023 0:00	Keep Norfolk Beautfiul		Y	30	City Hall	2	Table Display (outreach/education)
S. Bayview Civic League	4/19/2023 18:30	Sarah	Sterzing	Y	17	Bayview UMC	2	Presentation (CL or other Org)
Newtown South Civic League	4/19/2023 19:00	Sarah	Sterzing	Y	12	Fairlawn Recreation Center	2	Presentation (CL or other Org)
TCC Sustainable Living Fair	4/20/2023 0:00	Faith	Martin	Y	35	Tidewater Community College	2	Table Display (outreach/education)
Assembly NFK Sustainability	4/27/2023 0:00	Faith	Martin	Y	6	Assembly NFK	1	Presentation (CL or other Org)
Chesterfield Heights Civic League	5/1/2023 18:30	Sarah	Sterzing	Y	27	Norfolk Stanhope House	2	Presentation (CL or other Org)
WNSB Radio	5/15/2023 9:00	Sarah	Sterzing	Y	6	NSU Radio Station	1	Presentation (CL or other Org)
OV Business Association	5/18/2023 0:00	Sarah	Sterzing	Y	52	Long Boards OV Marina	1.5	Presentation (CL or other Org)
Party for the Planet	5/20/2023 9:00	Sarah	Sterzing	Y	100	Virginia Zoo	5	Table Display (outreach/education)
Braywood Manor Tower Residents Association	6/13/2023 18:00	Sarah	Sterzing	Y	37	Community Room	1.5	Presentation (CL or other Org)

Keep Norfolk Beautiful - Youth Education Outreach FY2023

Activity/Presentation Name	Date	Group Type	Location Name	Organization/ Program Name	Number of Youth	Adult Attendees (If appliable)	Grade	Type of Program
3R's	7/5/2022 0:00	Camp	Kroc Center	Kamp Kroc	40		k-2	In-person Presentation
Wasteful trivia	7/7/2022 0:00	Camp	Kroc Center	Kamp Kroc	17		3rd-5th	In-person Presentation
Journey of a Plastic Bag	7/13/2022 0:00	Camp	VA Wesleyan	Girls on the Run	26		3rd-5th	In-person Presentation
Trash Can Painting	7/18/2022 0:00	Camp	KNB	Next Step To Success	11		7th-9th	In-person Presentation
Trash Can Painting	7/19/2022 0:00	Camp	KNB	Next Step To Success	9		7th-9th	In-person Presentation
Trash Can Painting	7/20/2022 0:00	Camp	KNB	Next Step To Success	3		7th-9th	In-person Presentation
Trash Can Painting	7/26/2022 0:00	Camp	KNB	Next Step To Success	6		7th-9th	In-person Presentation
Summer Family Fun Day/Preventable Journey	8/3/2022 0:00	Other	Richard Tucker Library		1	2	k-2	In-person Presentation
Summer Family Fun Day/Scavenger Hunt	8/17/2022 0:00	Other	Northside Park		21	18	PreK-6	In-person Presentation
Green Education Kit 3rd - 6th grade	9/1/2022 0:00	Classroom	Norfolk Public Schools	NPS	45		3rd-6th	Green Education Kit
PreK-K 3'Rs classroom kit	9/12/2022 0:00	Classroom	Norfolk Public Schools	NPS	30		preK-K	Green Education Kit
PreK-6th Grade	11/4/2022 0:00	After School Club/Camp	Norfolk Recreation Centers		45		PreK-6	Green Education Kit
Green Readers	11/14/2022 0:00	Classroom	Ingleside Elementary	NPS	20		3rd	In-person Presentation
4th Grade Classroom Kit	2/22/2023 0:00	Classroom	Granby Elementary School	NPS	75		4	Green Education Kit
PreK Classroom Kit	3/10/2023 0:00	Classroom	Richard Bowling	NPS	18		PreK	Green Education Kit
Green Learning Guide - 4th Grade Kit	3/10/2023 0:00	Homeschool	Homeschool		1		4	Green Education Kit
Henry the Heron	3/16/2023 0:00	Classroom	Granby Elementary School	NPS	39	2	2nd	In-person Presentation
Pre K Classroom Kit	3/17/2023 0:00	Classroom	Richard Bowling	NPS	19		PreK	Green Education Kit
Henry the Heron	3/17/2023 0:00	Classroom	Granby Elementary	NPS	39	2	2nd	In-person Presentation
Mary Calcott Elementary Career Day	3/31/2023 0:00	Classroom	Mary Calcott Elementary	NPS	120	6	1st - 5th	In-person Presentation
Recycle Relay	4/19/2023 0:00	Classroom	St. Patrick's Catholic School		80	4	3rd - 4th	In-person Presentation
Green Education Kit Pre-K	4/24/2023 0:00	Classroom	Richard Bowling Elementary	NPS	18		Pre-K	Green Education Kit
3R's Pre-K Classroom Kit	4/25/2023 0:00	Classroom	Richard Bowling Elementary	NPS	18		Pre-K	Green Education Kit
3 R's Pre-K Education Kit	4/24/2023 0:00	Classroom	Richard Bowling Elementary	NPS	18		Pre-K	Green Education Kit
Enviroscape Landfill Table	4/26/2023 0:00	Classroom	Chesterfield Academy Elementary	NPS	50		PreK - 5	In-person Presentation
Hague School Presentation	4/28/2023 0:00	Classroom	Hague School		23	2	9th and 10th	In-person Presentation
3R's Pre-K Presentation	5/3/2023 0:00	Classroom	Coleman Place Elementary	NPS	50	4	Pre-K	In-person Presentation
Green Learning Guide (6th Grade)	5/17/2023 0:00	Classroom	Blair Middle School	NPS	30		6th	Green Education Kit
3 R's Education Kit	5/30/2023 0:00	Classroom	Southside STEM Academy	NPS	100		K	Green Education Kit
Green Learning Guides - Homeschool Kit	6/23/2023 0:00	Homeschool	Homeschool		4		PreK - 6th	Green Education Kit
Preventable Journey	6/28/2023 0:00	Classroom	Acton Academy	Acton Academy	5		1st - 4th	In-person Presentation
Camp Kroc 3R's	7/21/2023 0:00	Camp	Salvation Army Kroc Center	Camp Kroc	80	4	K-6	In-person Presentation
Parks and Rec Summer Camp	7/24/2023 0:00	Camp	Crossroads Community Center	Norfolk Parks and Rec	25		k-6	In-person Presentation
Garden of Hope Litter Cleanup and Waste-ful Trivia	7/25/2023 0:00	Camp	Keep Norfolk Beautiful	Garden of Hope	30	3	6th - 8th	In-person Presentation



Special Waste Collection Event

SAVE THE DATE

NOVEMBER 5 | 9 AM - 12PM

Southside STEM Academy

1106 Campostella Road

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

Grocery bags and clear film

Household Hazardous Waste

Tree Giveaway

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
- Paint (5 can limit)
- Batteries
- Light bulbs
- Compact fluorescent bulbs
- Aerosol cans & propane tanks
- Nail polish remover
- Vehicle batteries

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 - Shred-It

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.

FREE Tree Giveaway

Free Tree Giveaway for Norfolk residents with proof of address. Thanks to Friends of Norfolk's Environment (FONE).

***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

11/5/2022

Inventory of Collected Materials				
	Gallons	**Count**	**Drum (55 Gal)**	**Pounds**
Latex Paint	210			2,099
Antifreeze	35			268
Used Oil	65			500
Gasoline	20			123
Acids	5			41
Liquid Poison	55			464
Solid Poison				40
Aerosols			0.50	24
Alkaline Batteries				31
Other Batteries		12		120
Oxidizers				3
Cleaners	12			101
Kerosene	0			0
Lead Acid Batteries		8		312
Propane Tanks		1		18.25
Helium Tanks		0		0
Fluorescent Bulbs		8		3.3
Paint related materials	55			464
Used cooking Oil	10			76
Fire Extinguishers		5		25
			TOTAL LBS	**4,713**

Norfolk Residents 78



Special Waste Collection Event

SAVE THE DATE

APRIL 15 | 9 AM - Noon

Norview High School

6501 Chesapeake Blvd

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

Grocery bags and clear film

Household Hazardous Waste

Electronics

Secure, on-site shredding

*Event entrance on Middleton Pl. **Proof of residency required.*

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
- Paint (5 can limit)
- Batteries
- Light bulbs
- Compact fluorescent bulbs
- Aerosol cans & propane tanks
- Nail polish remover
- Vehicle batteries

Electronics - SPSA Norfolk

- 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 - Shred-It

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.

***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 6501
Chesapeake Blvd

4/15/2023

Inventory of Collected Materials				
	Gallons	**Count**	**Drum (55 Gal)**	**Pounds**
Latex Paint	320			3,200
Antifreeze	40			306
Used Oil	60			462
Gasoline	20			123
Acids	3			25
Liquid Poison	55			464
Solid Poison				20
Aerosols			1.00	48
Alkaline Batteries				60
Other Batteries				71
Oxidizers	6			3
Cleaners	17			143
Kerosene	5			41
Lead Acid Batteries		13		507
Propane Tanks		7		128
Helium Tanks		2		36
Fluorescent Bulbs		35		14
Paint related materials	45			380
Used cooking Oil	7			53
Fire Extinguishers		8		40
			TOTAL LBS	**6,124**

Norfolk Residents HHW	218
Norfolk Residents E-Waste	76
Total	**294**

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

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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.

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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:

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HIGH-RISK COMMERCIAL AND INDUSTRIAL
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- 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

FY23 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
	2023	Aug-22	7/25/22	FISCHER'S AUTO BODY & AUTO ART	1170 LANCE RD	BAD ENOUGH INC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	GLENROCK RADIATOR SERVICE INC	5552 E VIRGINIA BEACH BLVD	GLENROCK RADIATOR SERVICE INC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	JOHNSON'S RV SERVICE CENTER	5572 RABY RD	JOHNSON'S RV SERVICE CENTER INC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	SPRING MENDERS INC	5580 RABY RD	SPRING MENDERS INC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	TRUCK REFRIGERATION REPAIR INC	1160 LANCE RD	TRUCK REFRIGERATION REPAIR INC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	PROFESSIONAL CERTIFIED AUTOMOTIVE	5334 E VIRGINIA BEACH BLVD	MERRITT, GERALD M	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	IMPORT CYCLE CENTER	5328 E VIRGINIA BEACH BLVD	IMPORT CYCLE CENTER LLC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	58 EAST AUTO REPAIR & BODY WORK	5622 E VIRGINIA BEACH BLVD	AGUILAR AGUILAR, JOSE A	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	INTERNATIONAL AUTOMOTIVE SERVICES LLC	1179 LANCE RD	INTERNATIONAL AUTOMOTIVE SERVICES LLC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	TMI TRUCK & EQUIPMENT	5640 RABY RD	TIDEWATER MACK INC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	B & L AUTO REPAIR	5595 RABY RD	B & L AUTO REPAIR LLC	811111.00	General Automotive Repair	86	CROWN POINT
	2023	Aug-22	7/25/22	7-ELEVEN STORE #19119A	5520 RABY RD	BHATTI, MANPREET	447110.00	Gas Station @ Convenience Store	86	CROWN POINT
	2023	Aug-22	7/25/22	7-ELEVEN 33387A	1301 N MILITARY HWY	FISCHER ENTERPRISES INC	447190.00	Gas Stations	86	CROWN POINT
	2023	Aug-22	7/25/22	TMI TRUCK & EQUIPMENT	5640 RABY RD	TIDEWATER MACK INC	441120.00	Used Car Dealer	86	CROWN POINT
	2023	Aug-22	7/25/22	JACK'S TOWING	1114 HARMONY RD	S & E INC	488410.00	Tow Truck Services	86	CROWN POINT
	2023	Aug-22	7/25/22	DALE OLD WRECKER SERVICE INC	5575 SABRE RD	DALE OLD WRECKER SERVICE INC	488410.00	Tow Truck Services	86	CROWN POINT
	2023	Aug-22	7/25/22	ANNA'S TOWING OF VIRGINIA INC	5575 SABRE RD	ANNA'S TOWING OF VIRGINIA INC	488410.00	Tow Truck Services	86	CROWN POINT
	2023	Aug-22	7/25/22	CENTURY TOWING SERVICE INC	5575 SABRE RD	CENTURY TOWING SERVICE INC	488410.00	Tow Truck Services	86	CROWN POINT
	2023	Aug-22	7/25/22	TURNER'S TOWING	5575 SABRE RD	ZEKE'S AUTO PARTS & SERVICE INC	488410.00	Tow Truck Services	86	CROWN POINT
	2023	Aug-22	7/25/22	PETE'S TOWING OF NORFOLK INC	5575 SABRE RD	PETE'S TOWING OF NORFOLK INC	488410.00	Tow Truck Services	86	CROWN POINT
	2023	Aug-22	7/25/22	MASTER'S TOWING OF NORFOLK INC	5575 SABRE RD	MASTER'S TOWING OF NORFOLK INC	488410.00	Tow Truck Services	86	CROWN POINT
	2023	Aug-22	7/25/22	JEFF'S TOWING OF NORFOLK INC	5575 SABRE RD	JEFF'S TOWING OF NORFOLK INC	488410.00	Tow Truck Services	86	CROWN POINT
	2023	Sep-22	8/12/22	SSS CAR WASH	908 E LITTLE CREEK RD	GMK CORP	811192.00	Car Wash	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	A-1 MOBILE DOG GROOMING	904 NEWELL AVE	SWANSON, TODD	812910.00	Pet Services (not Veterinary)	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	AT THE CURB LLC	834 LESNER AVE	AT THE CURB LLC	812910.00	Pet Services (not Veterinary)	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	AFFORDABLE AUTO BODY & REPAIR	7917 WESTCLIFF DR	PARKER, KENNETH J	811121.00	Auto Body & Paint Repair	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	AUDIO ONE	894 E LITTLE CREEK RD	AUDIO PROS INC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	A & M MOBILE REPAIR	884 E LITTLE CREEK RD	A & M MOBILE REPAIR INC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	J & M TIRE WORLD	872 E LITTLE CREEK RD	PBM INC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	MANNING'S AUTO REPAIR MOBILE	894 E LITTLE CREEK RD	MANNING, SAMUEL L	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	SURFSIDE AUTO CO	894 E LITTLE CREEK RD	SURFSIDE AUTO CO	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	BAVARIAN AUTO	892 E LITTLE CREEK RD	BAVARIAN AUTO LLC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	HOLLIDAY FOOD MART	8338 TIDEWATER DR	KRUTI INC	447110.00	Gas Station @ Convenience Store	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/12/22	BEACH AUTO BROKERS INC	940 E LITTLE CREEK RD	BEACH AUTO BROKERS INC	441110.00	New Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/12/22	INSTANT AUTO LOANS	930 E LITTLE CREEK RD	G & H SALES ASSOCIATES INC	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/12/22	AUTO EXPO	7912 ARDMORE RD	AUTO EXPO OF VIRGINIA INC	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	EROL BASHEKIMOGLU	834 LESNER AVE	BASHEKIMOGLU, EROL	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	SURFSIDE AUTO CO	946 E LITTLE CREEK RD	SURFSIDE AUTO CO	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/12/22	CHARLES BAKER JEEP HONDA	940 E LITTLE CREEK RD	CHARLES BAKER JEEP HONDA LLC	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	J & M TIRE WORLD	872 E LITTLE CREEK RD	PBM INC	423130.00	Tires & Tubes Wholesale	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	SUPER SPRAY CAR WASH	7927 CHESAPEAKE BLVD	GMK CORP	811192.00	Car Wash	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	EAGLE AUTO RENTALS	900 E LITTLE CREEK RD	RAY'S AUTO SALES INC	532111.00	Passenger Car Rental	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	AUTO CARE & TRUCK	7916 BECKET STREET	SMB CONTRACTORS LLC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	CORNER MART	7900 CHESAPEAKE BOULEVARD	ITTIFAQ INC	447110.00	Gas Station @ Convenience Store	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	CORNER MART	7900 CHESAPEAKE BLVD	ITTIFAQ INC	447190.00	Gas Stations	15	NORTH CHESAPEAKE BLVD.
	2023	Sep-22	8/15/22	YOUR KAR CO INC	7912 BECKET STREET	YOUR KAR CO INC	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2023	Oct-22	10/12/22	GREEN CLEAN AUTO WASH	501 E LITTLE CREEK RD	GREEN CLEAN LLC	811192.00	Car Wash	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	BESTWAYS AUTO	933 E LITTLE CREEK RD	BESTWAYS AUTO LLC	532112.00	Passenger Car Leasing	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	AUTO BRAKE CORP	7512 AVENUE J	AUTO BRAKE CORP	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	Mr. Tire Auto Service Center	7808 N MILITARY HWY	BRIDGESTONE RETAIL OPERATIONS LLC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	HARTMAN'S AUTO SERVICE	7913 TIDEWATER DR	HARTMAN, ROBERT E	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	Mr.Tire Auto SERVICE CENTER	7813 N MILITARY HWY		811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	COMPUTUNE	630 E LITTLE CREEK RD	PRT INC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	TUNE UP PLUS	818 E LITTLE CREEK RD	COLD SPY ON THE INSIDE LLC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	LITTLE CREEK TIRE & AUTO SERVICES	901 E LITTLE CREEK RD	HOSSIAN, SYED M & JESMIN, MILI	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	SAM'S CLUB #4733	741 E LITTLE CREEK RD	SAM'S EAST INC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	WAWA #8604	975 E LITTLE CREEK RD	WAWA INC	447110.00	Gas Station @ Convenience Store	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	7-ELEVEN 23345B	800 E LITTLE CREEK RD	DIPRIYA INC	447110.00	Gas Station @ Convenience Store	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/12/22	HARIT SHELL STATION	7501 TIDEWATER DR	HARIT CORPORATION	447190.00	Gas Stations	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	R & R MOTOR CO	919 E LITTLE CREEK RD	R & R MOTOR CO INC	441110.00	New Car Dealer	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	Mr Tire Auto Service Center	7813 N MILITARY HWY	MONRO MUFFLER BRAKE INC	441320.00	Tire Dealers	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	RNR CUSTOM WHEELS AND TIRES	818 E LITTLE CREEK RD	RNR OF VIRGINIA LLC	441320.00	Tire Dealers	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	LITTLE CREEK TIRE & AUTO	901 E LITTLE CREEK RD	HOSSIAN, SYED M & JESMIN, MILI	441320.00	Tire Dealers	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	Jays Tires	1327 E LITTLE CREEK RD	POP TS TIRES & RIMS LLC	441320.00	Tire Dealers	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	AUTOVISION LLC	951 E LITTLE CREEK RD	AUTOVISION LLC	441120.00	Used Car Dealer	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	D MOTORS LLC	881 E LITTLE CREEK RD	D MOTORS LLC	441120.00	Used Car Dealer	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	R & R MOTOR CO	919 E LITTLE CREEK RD	R & R MOTOR CO INC	488410.00	Tow Truck Services	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	Greater Grace Ministries	1301 E LITTLE CREEK RD		488410.00	church	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	PERFORMANCE UNLIMITED	7520 AVENUE J	J R RACING INC	423110.00	Auto Sales Wholesale	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	O'REILLY AUTO PARTS #3929	860 E LITTLE CREEK RD	O'REILLY AUTOMOTIVE STORES INC	423110.00	Auto Sales Wholesale	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	Tire Choice Auto & Service Center	1117 E LITTLE CREEK RD	MONRO MUFFLER BRAKE INC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Oct-22	10/13/22	CARMASTERS AUTOMOTIVE	931 E LITTLE CREEK RD	CARMASTERS AUTOMOTIVE LLC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2023	Nov-22	11/9/22	STYLN CAR WASH	3300 E PRINCESS ANNE RD	WALL, DEVON A	811192.00	Car Wash	74	CROMWELL ROAD INDUSTRIAL
VAR052167	2023	Nov-22	11/9/22	Mid-Atlantic Recycling	3307 HANBURY ST				74	CROMWELL ROAD INDUSTRIAL
VAR051844	2023	Nov-22	11/9/22	Mil-Spec Abrasives, LLC	3306 PETERSON ST				74	CROMWELL ROAD INDUSTRIAL

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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
	2023	Nov-22	11/9/22	EAST COAST TRUCK & AUTO BODY INC	2630 WYOMING AVE	EAST COAST TRUCK & AUTO BODY INC	811121.00	Auto Body & Paint Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	BILL HILL'S NORVIEW BODY SHOP	2641 FLORIDA AVE	HILL, WILLIAM D	811121.00	Auto Body & Paint Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	COLLISION BAY REPAIR	2404 CROMWELL RD	COLLISION REPAIR CTR OF NRFK LLC	811121.00	Auto Body & Paint Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	JFH AUTO BODY & GLASS	2704 CROMWELL RD	HENDRICKS, JOHN F	811121.00	Auto Body & Paint Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	BLACK'S AUTO SALES & REPAIR	3514 ARGONNE AVE	TNR ENTERPRISES INC	811118.00	Auto Mechanical & Electrical Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	EASTERN AUTOWERKS	2308 INGLESIDE RD	EASTERN AUTOWERKS INC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	JM AUTO & TRUCK REPAIR INC	3340 CROMWELL DR	J M AUTO & TRUCK REPAIR INC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	ACTION AUTO & TRUCK REPAIR	3518 ARGONNE AVE	OAKEY, ROY V	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	FLEET SERVICES	2636 FLORIDA AVE	WILLIAMS, JAMES H & WILLIAMS, DIAN	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	WILLIAM'S TRANSMISSIONS & AUTO REPAIR	2700 CROMWELL RD	WILLIAMS, CORETHIOUS	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	OUTLAW'S ROD & CUSTOM LLC	2712 WYOMING AVE	OUTLAW'S ROD & CUSTOM LLC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	KEITH MARTIN AUTOMOTIVE	2444 ALABAMA AVE	MARTIN, KEITH	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	TALENTED AUTOMOTIVE	2609 NEVADA AVE	LECROY, AMY L	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	HIGH IMPACT PERFORMANCE AUTO BODY REPAIR & DETAIL	2701 ARKANSAS AVE	TAYLOR, TERRANCE T	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	TIDEWATER FLEET SERVICES LLC	2700 NEVADA AVE	TIDEWATER FLEET SERVICES LLC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	THE MOBILE MAN AUTO REPAIR SERVICE	2638 FLORIDA AVE	POUNDS, RONALD	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	WAWA	3350 E PRINCESS ANNE RD	WAWA INC	447110.00	Gas Station @ Convenience Store	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	TNR AUTO	3514 ARGONNE AVE	TNR ENTERPRISES INC	441120.00	Used Car Dealer	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	DUKE'S CAB CO	2607 WYOMING AVE	DUKE'S CAB CO	485310.00	Taxi	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	EASTSIDE CAB CO	2613 NEVADA AVE	EASTSIDE CAB CO	485310.00	Taxi	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	C/O DUKE'S CAB CO	2607 WYOMING AVE	MALIK, SHAUKAT	485310.00	Taxi	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	J D'S A1 TOWING & SALVAGE	2433 FLORIDA AVE	MARRS, JAMES D	488410.00	Tow Truck Services	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/9/22	AFFORDABLE TOWING AND RECOVERY OF NORFOLK INC	2424 CROMWELL RD	AFFORDABLE TOWING & RECOVERY OF NOR	488410.00	Tow Truck Services	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/10/22	D & M AUTO RECOVERY	2707 ARKANSAS AVE	GUENTHER, ODELL A	488410.00	Tow Truck Services	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/17/22	FRAZIER AUTOMOTIVE SERVICES LLC	3200 TAIT TERRACE	FRAZIER AUTOMOTIVE SERVICES LLC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2023	Nov-22	11/17/22	7-ELEVEN #2511-24624A	3235 CHESAPEAKE BOULEVARD	MILLER, GARY	447110.00	Gas Station @ Convenience Store	74	CROMWELL ROAD INDUSTRIAL
VAR050352	2023	Nov-22	11/17/22	Virginia-Carolina Steel Incorporated	2411 Ingleside Road				74	CROMWELL ROAD INDUSTRIAL
	2023	Dec-22	12/2/22	RYDER TRANSPORTATION SERVICES	4600 E PRINCESS ANNE RD	RYDER TRUCK RENTAL INC	532111.00	Passenger Car Rental	49	COLEMAN PLACE
	2023	Dec-22	12/2/22	THE NEW GRAY'S BODY SHOP	1531 AZALEA GARDEN RD	J & R ENTERPISE INC	811121.00	Auto Body & Paint Repair	49	COLEMAN PLACE
	2023	Dec-22	12/3/22	RUSH AUTO REPAIR	4637 KINCAID AVE	CAPERS, CLINT	811118.00	Auto Mechanical & Electrical Repair	49	COLEMAN PLACE
	2023	Dec-22	12/3/22	COFFEYS BODY SHOP INC	1556 AZALEA GARDEN RD	COFFEYS BODY SHOP INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Dec-22	12/3/22	HENRY FORD'S USED AUTO SALES	1579 SEWELLS POINT RD	HENRY FORD ENTERPRISES INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Dec-22	12/3/22	STAKES ENTERPRISES INC	2428 FLORIDA AVE	STAKES ENTERPRISES INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Dec-22	12/6/22	WARREN AUTO REPAIR	1553 AZALEA GARDEN RD	WARREN, BRUCE ALLEN	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Dec-22	12/6/22	POOR TONYS TRANSMISSION SHOP	1551 AZALEA GARDEN RD	POOR TONYS INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Dec-22	12/6/22	BARRY LEE'S AUTOMOTIVE	1518 AZALEA GARDEN RD	WEATHERSPOON, BARRY K	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Dec-22	12/2/22	D & W AUTO WORKS	1531 AZALEA GARDEN RD	COMBRE, WALTER	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Dec-22	12/6/22	INDUSTRIAL PARK EXXON	4528 E PRINCESS ANNE RD	OKEY CORP	447110.00	Gas Station @ Convenience Store	49	COLEMAN PLACE
	2023	Dec-22	12/6/22	PRINCESS ANNE SHELL	3502 E PRINCESS ANNE RD	TRISHAKTI LLC	447110.00	Gas Station @ Convenience Store	49	COLEMAN PLACE
	2023	Dec-22	12/3/22	HENRY FORD'S USED AUTO SALES	1579 SEWELLS POINT RD	HENRY FORD ENTERPRISES INC	441120.00	Used Car Dealer	49	COLEMAN PLACE
	2023	Dec-22	12/3/22	A-1 MOTORS	1579 SEWELLS POINT RD	A-1 QUALITY SERVICES LLC	441120.00	Used Car Dealer	49	COLEMAN PLACE
	2023	Dec-22	12/7/22	BLACKOUT XCLUSIVE CAR CARE	1567 EARLY STREET	TIDEWATER BROTHERS LLC	811192.00	Car Wash	49	COLEMAN PLACE
	2023	Dec-22	12/7/22	TURK'S MOBILE CAR WASH	1534 HEMLOCK STREET	MATTHEW, TERRELL D	811192.00	Car Wash	49	COLEMAN PLACE
	2023	Dec-22	12/7/22	ANTIFREEZE RECYCLERS INC	1537 EARLY STREET	ANTIFREEZE RECYCLERS INC	562998.00	Misc Waste Management	49	COLEMAN PLACE
	2023	Dec-22	12/7/22	ROOSEVELT HATCH AUTO SERVICE INC	1553 ALDER STREET	ROOSEVELT HATCH AUTO SERVICE INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Dec-22	12/7/22	BRAKE MASTERS	1560 EARLY STREET	ORE, DALE T JR	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2023	Jan-23	1/3/23	ENTERPRISE RENT-A-CAR	1361 E LITTLE CREEK RD	ENTERPRISE LEASING CO OF NFLK/RICH	532112.00	Passenger Car Leasing	21	LARRYMORE
	2023	Jan-23	1/3/23	BYNUM'S WELDING & AUTO REPAIR	7418 N MILITARY HWY	BYNUM, LARRY	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/3/23	BO'S TIRES AND RIMS	1871 E LITTLE CREEK RD	BO'S TIRES INC	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/3/23	BAY AUTOMOTIVE CORPORATION	6970 N MILITARY HWY	BAY AUTOMOTIVE CORPORATION	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/11/23	FREEDOM FORD INC	7520 N MILITARY HWY	FREEDOM FORD INC	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/3/23	AMR-CAR ELECTRIC	7418 N MILITARY HWY	HOLLOMAN, JAMES HENRY	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/3/23	MERCHANT'S TIRE & AUTO #386	7400 N MILITARY HWY	MERCHANT'S LLC	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/3/23	SUNRISE AUTO & CYCLE SALES	1559 E LITTLE CREEK RD	SUNRISE AUTO & CYCLE SALES INC	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/3/23	AUTOSTAR ENTERPRISES	7418 N MILITARY HWY	W & C LTD	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/3/23	ACCURATE TUNE PLUS	1345 E LITTLE CREEK RD	WET AUTOMOTIVE SERVICES INC	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/5/23	C & E AUTO	7044 N MILITARY HWY	BROWN, JAMES JR	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/3/23	ACTION AUTO SPECIALIST	6970 N MILITARY HWY	BPGI LLC	811111.00	General Automotive Repair	21	LARRYMORE
	2023	Jan-23	1/11/23	7-ELEVEN STORE #22667A	1511 E LITTLE CREEK RD	PRICE, FELICITAS L	447190.00	Gas Stations	21	LARRYMORE
	2023	Jan-23	1/11/23	ENTERPRISE RENT-A-CAR	7436 N MILITARY HWY	ENTERPRISE LEASING CO OF NFLK/RICH	441110.00	New Car Dealer	21	LARRYMORE
	2023	Jan-23	1/3/23	BO'S TIRES AND RIMS	1871 E LITTLE CREEK RD	BO'S TIRES INC	441320.00	Tire Dealers	21	LARRYMORE
	2023	Jan-23	1/3/23	MERCHANT'S TIRE & AUTO #386	7400 N MILITARY HWY	MERCHANT'S LLC	441320.00	Tire Dealers	21	LARRYMORE
	2023	Jan-23	1/3/23	BAY AUTOMOTIVE CORPORATION	6970 N MILITARY HWY	BAY AUTOMOTIVE CORPORATION	441120.00	Used Car Dealer	21	LARRYMORE
	2023	Jan-23	1/11/23	FREEDOM FORD INC	7520 N MILITARY HWY	FREEDOM FORD INC	441120.00	Used Car Dealer	21	LARRYMORE
	2023	Jan-23	1/3/23	SUNRISE AUTO & CYCLE SALES	1559 E LITTLE CREEK RD	SUNRISE AUTO & CYCLE SALES INC	441120.00	Used Car Dealer	21	LARRYMORE
	2023	Jan-23	1/10/23	MOTOR MAX LLC	6630 N MILITARY HWY	MOTOR MAX LLC	441120.00	Used Car Dealer	21	LARRYMORE
	2023	Jan-23	1/11/23	PRIORITY BUY HERE PAY HERE	7520 N MILITARY HWY	CENTRAL ATLANTIC SALES INC	441120.00	Used Car Dealer	21	LARRYMORE
	2023	Jan-23	1/3/23	7 CITIES AUTOS & CYCLES	7418 N MILITARY HWY	HAMPTON ROADS ONLINE BUSINESS LLC	441120.00	Used Car Dealer	21	LARRYMORE
	2023	Jan-23	1/3/23	ACTION AUTO SPECIALIST	6990 N MILITARY HWY	BPGI LLC	441120.00	Used Car Dealer	21	LARRYMORE
	2023	Jan-23	1/3/23	BAY AUTOMOTIVE CORPORATION	6970 N MILITARY HWY	BAY AUTOMOTIVE CORPORATION	423110.00	Auto Sales Wholesale	21	LARRYMORE
	2023	Jan-23	1/3/23	ENTERPRISE RENT-A-CAR	7436 N MILITARY HWY	ENTERPRISE LEASING CO OF NFLK/RICH	423110.00	Auto Sales Wholesale	21	LARRYMORE
	2023	Jan-23	1/11/23	FREEDOM FORD INC	7520 N MILITARY HWY	FREEDOM FORD INC	423110.00	Auto Sales Wholesale	21	LARRYMORE
	2023	Jan-23	1/11/23	PRIORITY BUY HERE PAY HERE	7520 N MILITARY HWY	CENTRAL ATLANTIC SALES INC	423110.00	Auto Sales Wholesale	21	LARRYMORE
	2023	Feb-23	2/10/23	GREEN CLEAN AUTO WASH	3401 N MILITARY HWY	GREEN CLEAN LLC	811192.00	Car Wash	46	NORVELLA
	2023	Feb-23	2/2/23	ENTERPRISE RENT-A-CAR	3561 N MILITARY HWY	ENTERPRISE LEASING CO OF NFLK/RICH	532111.00	Passenger Car Rental	46	NORVELLA

FY23 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
	2023	Feb-23	2/8/23	THE HERTZ CORP	3323 N MILITARY HWY	HERTZ CORP, THE	532111.00	Passenger Car Rental	46	NORVELLA
	2023	Feb-23	2/14/23	COPPOLA, CARMINE	3424 AZALEA GARDEN RD	COPPOLA, CARMINE	811118.00	Auto Mechanical & Electrical Repair	46	NORVELLA
	2023	Feb-23	2/8/23	SOUTHERN DCJR AT THE NORFOLK AIRPORT	2747 N MILITARY HWY	GREENBRIER OF VIRGINIA INC	811118.00	Auto Mechanical & Electrical Repair	46	NORVELLA
	2023	Feb-23	2/14/23	BIG ALS MUFFLERS & BRAKES	3501 N MILITARY HWY	ANZELL AUTOMOTIVE INC	811111.00	General Automotive Repair	46	NORVELLA
	2023	Feb-23	2/8/23	AZALEA AUTO BODY & SALES	5277 WINDERMERE AVE	AZALEA AUTO BODY SALES INC	811111.00	General Automotive Repair	46	NORVELLA
	2023	Feb-23	2/8/23	J & M TIRE WORLD	3635 N MILITARY HWY	PBM INC	811111.00	General Automotive Repair	46	NORVELLA
	2023	Feb-23	2/2/23	SOUTHERN FIAT OF NORFOLK	2747 N MILITARY HWY	SOUTHERN OF VIRGINIA LLC	811111.00	General Automotive Repair	46	NORVELLA
	2023	Feb-23	2/11/23	MOBILITY SUPERCENTER	3301 N MILITARY HWY	MOBILITY OF NORFOLK LLC	811111.00	General Automotive Repair	46	NORVELLA
	2023	Feb-23	2/13/23	TIRE CITY	3655 N MILITARY HWY	AFFORDABLE AUTO REPAIR & TIRE LLC	811111.00	General Automotive Repair	46	NORVELLA
	2023	Feb-23	2/8/23	SOUTHERN DCJR AT THE NORFOLK AIRPORT	2747 N MILITARY HWY	GREENBRIER OF VIRGINIA INC	441110.00	New Car Dealer	46	NORVELLA
	2023	Feb-23	2/8/23	SOUTHERN FIAT OF NORFOLK	2747 N MILITARY HWY	SOUTHERN OF VIRGINIA LLC	441110.00	New Car Dealer	46	NORVELLA
	2023	Feb-23	2/12/23	BUD'S USED TIRES & BRAKE SERVICE	3345 N MILITARY HWY	COOK ENTERPRISE INC	441320.00	Tire Dealers	46	NORVELLA
	2023	Feb-23	2/13/23	TIRE CITY	3655 N MILITARY HWY	AFFORDABLE AUTO REPAIR & TIRE LLC	441320.00	Tire Dealers	46	NORVELLA
	2023	Feb-23	2/10/23	LIFESTYLE MOTOR GROUP	3335 N MILITARY HWY	J & D AUTO INC	441120.00	Used Car Dealer	46	NORVELLA
	2023	Feb-23	2/10/23	STEVES AUTO SALES INC	3469 N MILITARY HWY	STEVES AUTO SALES INC	441120.00	Used Car Dealer	46	NORVELLA
	2023	Feb-23	2/10/23	SOUTH BEACH MOTORS	3625 N MILITARY HWY	SOUTH BEACH INTERNATIONAL LLC	441120.00	Used Car Dealer	46	NORVELLA
	2023	Feb-23	2/2/23	EASTERN AUTO	3535 N MILITARY HWY	SHINES IINTERNATIONAL LLC	441120.00	Used Car Dealer	46	NORVELLA
	2023	Feb-23	2/8/23	DYNASTY AUTO SALES	3615 N MILITARY HWY	DYNASTY AUTO SALES INC	441120.00	Used Car Dealer	46	NORVELLA
	2023	Feb-23	2/10/23	MANAMA AUTO SALES LLC	3625 N MILITARY HWY	MANAMA AUTO SALES LLC	441120.00	Used Car Dealer	46	NORVELLA
	2023	Feb-23	2/10/23	ELEGANTE AUTO SALES	3625 N MILITARY HWY	ELEGANTE AUTO SALES INC	441120.00	Used Car Dealer	46	NORVELLA
	2023	Feb-23	2/8/23	LPR INC OF VA	3455 AZALEA GARDEN RD	LPR INC OF VA	485999.00	All Other Passenger Transportation	46	NORVELLA
	2023	Feb-23	2/8/23	SOUTHERN DCJR AT THE NORFOLK AIRPORT	2747 N MILITARY HWY	GREENBRIER OF VIRGINIA INC	423110.00	Auto Sales Wholesale	46	NORVELLA
	2023	Feb-23	2/8/23	SOUTHERN FIAT OF NORFOLK	2747 N MILITARY HWY	SOUTHERN OF VIRGINIA LLC	423110.00	Auto Sales Wholesale	46	NORVELLA
	2023	Feb-23	2/8/23	J & M TIRE WORLD	3635 N MILITARY HWY	PBM INC	423130.00	Tires & Tubes Wholesale	46	NORVELLA
VAR051722	2023	Feb-23	2/7/23	Heritage Crystal-Clean, LLC	5539 Faris Street	FCC ENVIRONMENTAL LLC	562998.00	Misc Waste Management	46	NORVELLA
	2023	Feb-23	2/9/23	BAY CITY CLASSICS	3335 CROFT STREET	BAY CITY CLASSICS INC	811121.00	Auto Body & Paint Repair	46	NORVELLA
	2023	Feb-23	2/9/23	GARY'S TRANSMISSIONS	3309 CROFT STREET	GARY'S TRANSMISSION INC	811111.00	General Automotive Repair	46	NORVELLA
	2023	Feb-23	2/9/23	ALL CITY TOWING & RECOVERY INC	5511 FARIS STREET	ALL-CITY TOWING & RECOVERY INC	488410.00	Tow Truck Services	46	NORVELLA
	2023	Feb-23	2/9/23	WESTSIDE BODYWORKS OF NORFOLK	5511 FARIS STREET	ALL-CITY TOWING & RECOVERY INC	488410.00	Tow Truck Services	46	NORVELLA
VAR050295	2023	Feb-23	2/9/23	United Parcel Service Norfolk	3313 Croft Street	UPS NORFOLK			46	NORVELLA
	2023	Mar-23	3/8/23	CITY WIDE CABS LLC	1908 NORVIEW AVE	CITY WIDE CABS LLC	532112.00	Passenger Car Leasing	22	AZALEA
	2023	Mar-23	3/8/23	GOLDSTARR LIMOUSINES INC	3588 N MILITARY HWY	GOLDSTARR LIMOUSINES INC	532112.00	Passenger Car Leasing	22	AZALEA
	2023	Mar-23	3/7/23	AVIS RENT A CAR	1700 NORVIEW AVE	AVIS RENT A CAR SYSTEM LLC	532111.00	Passenger Car Rental	22	AZALEA
	2023	Mar-23	3/7/23	AVIS RENT A CAR SYSTEM LLC	3474 N MILITARY HWY	AVIS RENT A CAR SYSTEM LLC	532111.00	Passenger Car Rental	22	AZALEA
	2023	Mar-23	3/7/23	BUDGET RENT A CAR SYSTEM INC	1700 NORVIEW AVE	BUDGET RENT A CAR SYSTEM INC	532111.00	Passenger Car Rental	22	AZALEA
	2023	Mar-23	3/10/23	M & A FINANCIAL	3554 N MILITARY HWY	M & A INC	532111.00	Passenger Car Rental	22	AZALEA
	2023	Mar-23	3/10/23	PATRIOT RENTAL & REPAIR	3562 N MILITARY HWY	PATRIOT RENTAL & REPAIR LLC	532111.00	Passenger Car Rental	22	AZALEA
	2023	Mar-23	3/7/23	MILITARY SHELL	6110 N MILITARY HWY	MILITARY SHELL LLC	811118.00	Auto Mechanical & Electrical Repair	22	AZALEA
	2023	Mar-23	3/7/23	J & M TIRE WORLD	3310 N MILITARY HWY	PBM INC	811111.00	General Automotive Repair	22	AZALEA
	2023	Mar-23	3/6/23	AAMCO TRANSMISSIONS	3330 N MILITARY HWY	LOMAR CORP	811111.00	General Automotive Repair	22	AZALEA
	2023	Mar-23	3/6/23	BUD'S USED TIRES & BRAKE SERVICE	3358 N MILITARY HWY	COOK ENTERPRISE INC	811111.00	General Automotive Repair	22	AZALEA
	2023	Mar-23	3/10/23	PATRIOT RENTAL & REPAIR	3562 N MILITARY HWY	PATRIOT RENTAL & REPAIR LLC	811111.00	General Automotive Repair	22	AZALEA
	2023	Mar-23	3/7/23	AZALEA AUTO CARE	5720 AZALEA GARDEN RD	AZALEA AUTO CARE INC	811111.00	General Automotive Repair	22	AZALEA
	2023	Mar-23	3/7/23	AZALEA GARDEN BP	3506 N MILITARY HWY	TIDEWATER CONVENIENCE INC	447110.00	Gas Station @ Convenience Store	22	AZALEA
	2023	Mar-23	3/10/23	PAPCO INC	2750 N MILITARY HWY	PAPCO INC	447190.00	Gas Stations	22	AZALEA
	2023	Mar-23	3/9/23	7-ELEVEN #36998A	3650 N MILITARY HWY	TALHA CORP	447190.00	Gas Stations	22	AZALEA
	2023	Mar-23	3/10/23	PATRIOT AUTO SALES INC	3554 N MILITARY HWY	PATRIOT AUTO SALES INC	441110.00	New Car Dealer	22	AZALEA
	2023	Mar-23	3/6/23	BUD'S USED TIRES & BRAKE SERVICE	3358 N MILITARY HWY	COOK ENTERPRISE INC	441320.00	Tire Dealers	22	AZALEA
	2023	Mar-23	3/6/23	ALL CARS	5712 AZALEA GARDEN RD	ALL CARS INC	441120.00	Used Car Dealer	22	AZALEA
	2023	Mar-23	3/10/23	VARIETY MOTORS INC	3530 N MILITARY HWY	VARIETY MOTORS INC	441120.00	Used Car Dealer	22	AZALEA
	2023	Mar-23	3/8/23	TRIMAX AUTO GROUP	6400 N MILITARY HWY	TRIMAX AUTO GROUP INC	441120.00	Used Car Dealer	22	AZALEA
	2023	Mar-23	3/8/23	TRIMAX AUTO WHOLESALE	6400 N MILITARY HWY	TRIMAX AUTO WHOLESALE INC	423110.00	Auto Sales Wholesale	22	AZALEA
	2023	Mar-23	3/7/23	J & M TIRE WORLD	3310 N MILITARY HWY	PBM INC	423130.00	Tires & Tubes Wholesale	22	AZALEA
	2023	Apr-23	4/11/23	FAY'S TRANSPORTATION & CONCIERGE	2802 KIMBALL TERRACE	ATLANTIC COACH TRANSPORTATION LLC	485320.00	Limousine Services	72	CHESTERFIELD
VAR050370	2023	Apr-23	4/11/23	Branscome Inc - Norfolk - Westminster	3425 Westminster Avenue				72	CHESTERFIELD
	2023	May-23	5/4/23	SEWELLS POINT TIRE & AUTO REPAIR	3439 SEWELLS POINT RD	SEWELLS POINT TIRE & AUTO LLC	811111.00	General Automotive Repair	45	NORVIEW
	2023	May-23	5/4/23	H & S AUTOMOTIVE & TIRES & RIMS REPAIRS	2729 AZALEA GARDEN RD	LANGFORD, HENSON	811111.00	General Automotive Repair	45	NORVIEW
	2023	May-23	5/4/23	FIVE POINTS SHELL	1231 NORVIEW AVE	LITTLE TONY AUTO TECH LLC	811111.00	General Automotive Repair	45	NORVIEW
	2023	May-23	5/4/23	RACE COAST NORVIEW	1243 NORVIEW AVE	TANAY LLC	447110.00	Gas Station @ Convenience Store	45	NORVIEW
	2023	May-23	5/4/23	SEWELLS POINT AUTO SALES	3439 SEWELLS POINT RD	SEWELLS POINT TIRE & AUTO LLC	441120.00	Used Car Dealer	45	NORVIEW
	2023	May-23	5/4/23	VIP & CELEBRITY LIMOUSINES INC	3141 AZALEA GARDEN RD	VIP & CELEBRITY LIMOUSINES INC	485320.00	Limousine Services	45	NORVIEW
	2023	May-23	5/5/23	CHIPS AUTOMOTIVE REPAIR	5818 CHESAPEAKE BLVD	ANDERSON, JAMES W	811111.00	General Automotive Repair	45	NORVIEW
	2023	May-23	5/5/23	TOMMY'S COMPLETE AUTO SERVICE	5766 CHESAPEAKE BLVD	LITTLE, THOMAS	811111.00	General Automotive Repair	45	NORVIEW
	2023	May-23	5/5/23	FIVE POINTS BP	6135 CHESAPEAKE BLVD	TIDEWATER CONVENIENCE INC	447110.00	Gas Station @ Convenience Store	45	NORVIEW
	2023	May-23	5/5/23	GOLDEN LIMOUSINE	5820 CHESAPEAKE BLVD	STONE, WILLIAM MARTIN SR	485320.00	Limousine Services	45	NORVIEW
	2023	May-23	5/18/23	C/O NORFOLK CAB CO	4567 DORA CIRCLE	ALMOND, EARL L	485310.00	Taxi	45	NORVIEW
	2023	May-23	5/25/23	C/O NORVIEW CARS	1076 BLAND STREET	DAQUIOAG, LEONARDO	485310.00	Taxi	45	NORVIEW
	2023	Jun-23	6/5/23	ONE STOP FOOD MART #352	2338 E PRINCESS ANNE RD	J & M INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	69	BRAMBLETON
	2023	Jun-23	6/5/23	7-ELEVEN STORE #27188	1510 E BRAMBLETON AVE	MASAND, RAJ	447110.00	Gas Station @ Convenience Store	69	BRAMBLETON

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
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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 - FY2023

Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Candlewood Suites	07-0098.1	ADOAN - 2021-02-18 12:47:25 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:23:22 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.; ADOAN - 2022-04-08 09:53:56 -- 2022-04-07: Met with Kyle from Beach Breeze Landscaping for the cleaning of Filterras and planting of trees. Estimated time frame by the end of the month April 2022. ; ADOAN - 2022-10-03 11:04:33 -- 2022-09-22: BMP has been maintained and trees replaced. ;	02/16/2021	Yes	Manufactured Treatment Device	2	09-22-2022	Private
Candlewood Suites	07-0098.2	ADOAN - 2021-02-18 12:50:48 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:24:15 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.;	02/16/2021	Yes	Manufactured Treatment Device	1	09-22-2022	Private
Candlewood Suites	07-0098.3	ADOAN - 2021-02-18 12:52:41 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:24:25 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.;	02/16/2021	Yes	Manufactured Treatment Device	1	09-22-2022	Private
Candlewood Suites	07-0098.4	ADOAN - 2021-02-18 12:55:54 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:24:35 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.;	02/16/2021	Yes	Manufactured Treatment Device	1	09-22-2022	Private
Candlewood Suites	07-0098.5	ADOAN - 2021-02-18 13:00:36 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:24:43 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.;	02/16/2021	Yes	Manufactured Treatment Device	1	09-22-2022	Private
Candlewood Suites	07-0098.6	ADOAN - 2021-02-18 13:02:18 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:24:54 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.;	02/16/2021	Yes	Manufactured Treatment Device	1	09-22-2022	Private
Candlewood Suites	07-0098.7	ADOAN - 2021-02-18 13:05:37 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:25:06 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.;	02/16/2021	Yes	Manufactured Treatment Device	1	09-22-2022	Private
Candlewood Suites	07-0098.8	ADOAN - 2021-02-18 13:09:11 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:25:15 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.;	02/16/2021	Yes	Manufactured Treatment Device	1	09-22-2022	Private
Candlewood Suites	07-0098.9	ADOAN - 2021-02-18 13:16:38 -- Maintain Filterra according to manufacturer specifications. Please provide maintenance records. Note: trees are too large fir the Filterra and they are encroaching into the steel grates. ; ADOAN - 2021-06-29 11:25:26 -- 6/28/2021 Filterra trees have been removed. Waiting on timeframe of replanting trees.;	02/16/2021	Yes	Manufactured Treatment Device	1	09-22-2022	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	3	11-02-2022	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	1	07-11-2022	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	1	07-11-2022	Private
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	1	02-13-2023	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	1	02-13-2023	Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
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	1	02-13-2023	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	1	02-13-2023	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	1	02-13-2023	Private
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	2	01-30-2023	Public
Lowery Road Pedestrian Improvements	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	1	02-10-2023	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	1	07-14-2022	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	1	07-14-2022	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	2	08-17-2022	Private
Sunset Dr. at Chesapeake Blvd Drainage	16-0048.1	ADOAN - 2022-04-05 07:18:18 -- On an annual PM schedule for June.;	04/01/2022	Yes	Manufactured Treatment Device	1	04-20-2023	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	1	07-28-2022	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	1	07-11-2022	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	1	07-11-2022	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	1	07-11-2022	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	1	07-12-2022	Public

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Third Police Precinct Parking Lot Addition	05-0200.1	MWHITE02 - 2022-05-04 11:16:41 -- Remove overgrown vegetation. Remove trash and debris. ;	05/04/2022	Yes	Extended Detention Basin	1	07-12-2022	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	1	07-12-2022	Public
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	07-11-2022	Private
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	07-11-2022	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	2	07-18-2022	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	1	08-22-2022	Public
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	1	07-26-2022	Private
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	1	08-17-2022	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	1	07-12-2022	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	2	08-09-2022	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	3	10-06-2022	Private
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	1	07-15-2022	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	1	07-20-2022	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	2	10-04-2022	Private

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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	2	10-04-2022	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	1	07-28-2022	Private
East Beach Phase 7-South Subdivision	20-0073.1	ADOAN - 2022-07-05 09:06:27 -- 2022-07-01: Permeable pavement for RQ. Excellent condition. This pavement was installed under 19-0043. The site is still under construction, but BMP and Tie-in have been completed. ;	07/01/2022	No	Permeable Pavement	0		Private
Miller Gas Station	04-0067.1	MWHITE02 - 2022-07-11 10:37:59 -- Received maintenance records from Steven's Maintenance 6/27/22.;	07/11/2022	No	Manufactured Treatment Device	0		Private
Lamberts Point Pond	01-0095.1	MWHITE02 - 2022-07-12 13:36:24 -- BMP has been maintained. ;	07/12/2022	No	Wet Pond	0		Public
ODU University Village	02-2367.1	MWHITE02 - 2022-07-12 13:25:22 -- BMP is in good condition;	07/12/2022	No	Wet Pond	0		Public
Lamberts Point Community Center	08-0008.1	MWHITE02 - 2022-07-12 13:46:46 -- Rain garden is well maintained. ;	07/12/2022	No	Bioretention	0		Public
Lamberts Point Community Center	08-0008.2	MWHITE02 - 2022-07-12 13:44:19 -- Pervious pavement with underground storage, in good condition. ;	07/12/2022	No	Manufactured Treatment Device	0		Public
Lamberts Point Community Center	08-0008.3	MWHITE02 - 2022-07-12 13:43:57 -- Pervious pavement is in good condition. ;	07/12/2022	No	Permeable Pavement	0		Public
Lamberts Point 26th St. Improvements	09-0072.1	MWHITE02 - 2022-07-12 13:09:41 -- Filterra is well maintained. ;	07/12/2022	No	Manufactured Treatment Device	0		Public
Lambert's Point Rec Center Parking Addition	10-0073.1	MWHITE02 - 2022-07-12 13:20:20 -- BMP is in good condition. ;	07/12/2022	No	Permeable Pavement	0		Public
RiverStar Homes Bioretention	S69.1	MWHITE02 - 2022-07-12 12:44:05 -- Bioretention in good condition. ;	07/12/2022	No	Bioretention Basins	0		Public
Green Gifford / Wells Fargo Bank commercial center	03-0015.1	MWHITE02 - 2022-07-13 15:04:34 -- Please remove accumulated sediment and vegetation from blocking the inlet and outlet. Please maintain vegetation and remove woody vegetation form the banks of the basin. Please remove trash and debris from the basin. ;	07/13/2022	Yes	Wet Pond	1	08-16-2022	Private
Cape Henry Subdivision	05-0008.1	MWHITE02 - 2022-07-13 13:52:25 -- BMP is well maintained. ;	07/13/2022	No	Detention Basin	0		Public

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Cape Henry Subdivision	05-0008.2	MWHITE02 - 2022-07-13 13:52:51 -- BMP is well maintained. ;	07/13/2022	No	Detention Basin	0		Public
Cape Henry Subdivision	05-0008.3	MWHITE02 - 2022-07-13 13:53:10 -- Swale is well maintained. ;	07/13/2022	No	Grass Channel	0		Public
Norfolk Academy Master Plan Phase I	14-0078.1	MWHITE02 - 2022-07-28 11:02:53 -- First inspection, field was completed but never inspected. BMP is well maintained and functioning (drains well), could not open observation wells (installed 5+ years ago), looked at the nearest connecting structure. Speak with Jason Watson if you have any questions. ;	07/13/2022	No	Infiltration Practices	0		Private
CVS E Va Bch Blvd. and Newton	10-0071.1	MWHITE02 - 2022-07-14 07:43:20 -- Please maintain the Filterra Unit according to the manufacturer's specifications and provide a copy of the maintenance records. ;	07/14/2022	Yes	Manufactured Treatment Device	0		Private
WHRO building addition	00-4523.1	MWHITE02 - 2022-07-18 13:37:05 -- Enclosed within security fence, appears to be functioning.;	07/18/2022	No	Infiltration Practices	0		Private
Colley Bay Living Shoreline	11-0048.1	MWHITE02 - 2022-07-18 07:56:32 -- Living shoreline is well maintained, see last inspection. Re-inspected to put back on July schedule.;	07/18/2022	No	Shoreline Management	0		Public
Colley Bay Living Shoreline	11-0048.2	MWHITE02 - 2022-07-18 07:59:22 -- Living shoreline is well maintained, see last inspection. Re-inspected to put back on July schedule. This one is more difficult to access. ;	07/18/2022	No	Shoreline Management	0		Public
Myrtle Park Imprvts-Richmond Cres-Living Shoreline	12-0042.1	MWHITE02 - 2022-07-18 07:22:14 -- Living shoreline is well maintained, see last inspection. Re-inspected to put back on July schedule. ;	07/18/2022	No	Shoreline Management	0		Public
Waterview 5 Lot Subdivision	13-0004.1	MWHITE02 - 2022-07-18 12:49:02 -- BMP is well maintained. ;	07/18/2022	No	Grass Channel	0		Private
Knitting Mill Creek Living Shoreline	13-0050.1	MWHITE02 - 2022-07-18 08:23:27 -- Living shoreline is well maintained, see last inspection. Re-inspected to put back on July schedule.;	07/18/2022	No	Shoreline Management	0		Public
Larchmont Elementary School	14-0084.1	MWHITE02 - 2022-07-18 13:13:11 -- Bank stabilized, continue to monitor erosion.;	07/18/2022	No	Wet Pond	0		School
Cape Henry Avenue Site Renovations and Improvement	91067.005.1	MWHITE02 - 2022-07-18 14:31:33 -- BMP is well maintained, downspouts connected. ;	07/18/2022	No	Infiltration Practices	0		Public
Heritage Bank & Trust	T457.1	MWHITE02 - 2022-07-18 13:20:44 -- BMP is well maintained.;	07/18/2022	No	Infiltration Practices	0		Private
Heritage Bank & Trust	T457.2	MWHITE02 - 2022-07-18 13:22:31 -- BMP is functioning after work done last year to allow water to drain into it. ;	07/18/2022	No	Infiltration Practices	0		Private

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Combined McKann Ave. Facility	T650.1	MWHITE02 - 2022-07-18 14:46:44 -- BMP is well maintained, regraded earlier this year. ;	07/18/2022	No	Wet Pond	0		Public
Combined McKann Ave. Facility	T650.2	MWHITE02 - 2022-07-18 14:56:49 -- Grit chambers PM performed 4/19/22. ;	07/18/2022	No	Manufactured BMP Systems	0		Public
Combined McKann Ave. Facility	T650.3	MWHITE02 - 2022-07-18 14:54:38 -- Grit chambers PM performed 4/19/22. ;	07/18/2022	No	Manufactured BMP Systems	0		Public
Division of Streets & Bridges	T768.1	MWHITE02 - 2022-07-18 14:38:11 -- Sweeper bay OWS is regularly vactored out (tracked by Casey for SWPPP. Last PM performed 4/19/22. ;	07/18/2022	No	Manufactured Treatment Device	0		Public
Volunteer Project Colley Bay Living Shoreline	V1.1	MWHITE02 - 2022-07-18 08:13:42 -- Living shoreline is well maintained, see last inspection. Re-inspected to put back on July schedule.;	07/18/2022	No	Shoreline Management	0		Public
Ray and Joan Kroc Center	11-0065.2	MWHITE02 - 2022-07-19 14:42:02 -- Please remove accumulated sediment and leaf debris from pervious concrete, gutters, and inlets throughout site. ;	07/19/2022	Yes	Permeable Pavement	0		Private
Pump Station 10 Service Area-Maryland Ave PS	17-0008.1	MWHITE02 - 2022-07-19 12:35:22 -- BMP is well maintained. ;	07/19/2022	No	Grass Channel	0		Public
Parker Ave. Drainage Improvements	18-0073.1	MWHITE02 - 2022-07-19 11:26:25 -- Cleaned 6/28/22 on PM. ;	07/19/2022	No	Manufactured Treatment Device	0		Public
Ray & Joan Krock Center	S103.1	MWHITE02 - 2022-07-19 14:23:43 -- BMP is maintained. WO in for PM. ;	07/19/2022	No	Wet Pond	0		Public
Walter H. Taylor Elementary School	T524.1	MWHITE02 - 2022-07-19 13:05:12 -- Please remove accumulated sediment from inlet grate area. ;	07/19/2022	Yes	Infiltration Practices	1	08-19-2022	School
Walter H. Taylor Elementary School	T524.2	MWHITE02 - 2022-07-19 13:10:23 -- BMP is maintained, inlet grate is clear of debris, other manhole is covered.;	07/19/2022	Yes	Infiltration Practices	1	08-19-2022	School
Walter H. Taylor Elementary School	T524.3	MWHITE02 - 2022-07-19 13:13:06 -- Please remove accumulated sediment and debris from inlet grate and weepholes. Manholes are free from debris. ;	07/19/2022	Yes	Infiltration Practices	1	08-19-2022	School
Townhouses	06-0003.1	MWHITE02 - 2022-07-20 15:20:28 -- BMP is well maintained.;	07/20/2022	No	Extended Detention Basin	0		Private
Fairmount Park Phase 13B	15-0010.1	MWHITE02 - 2022-07-20 09:16:11 -- Filterra is well maintained, PM in November. ;	07/20/2022	No	Manufactured Treatment Device	0		Public

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Fairmount Park Phase 13B	15-0010.2	MWHITE02 - 2022-07-20 11:13:03 -- Trees need to be replaced. ;	07/20/2022	Yes	Manufactured Treatment Device	0		Public
Fairmount Park Phase 13B	15-0010.3	MWHITE02 - 2022-07-20 10:47:53 -- Filterra is well maintained. PM in November (make sure trees are not growing into the grates).;	07/20/2022	No	Manufactured Treatment Device	0		Public
Fairmount Park Phase 13B	15-0010.4	MWHITE02 - 2022-07-20 10:57:40 -- Filterra is well maintained. PM in November. ;	07/20/2022	No	Manufactured Treatment Device	0		Public
Gosnold Drainage Improvements	15-0047.1	MWHITE02 - 2022-07-20 07:21:26 -- Blocked off by temporary fencing, setting up for PM. Initial inspection 1/5/22.;	07/20/2022	No	Manufactured Treatment Device	0		Public
Fairmount Park - Phase 14A	16-0056.1	MWHITE02 - 2022-07-20 07:52:08 -- WO in to be cleaned. ;	07/20/2022	No	Manufactured Treatment Device	0		Public
Fairmount Park - Phase 14A	16-0056.2	MWHITE02 - 2022-07-20 07:49:07 -- WO in to be cleaned. ;	07/20/2022	No	Manufactured Treatment Device	0		Public
CHKD Parking Lot	05-0169.1	MWHITE02 - 2022-07-21 14:59:19 -- Pervious pavers are well maintained. Re-installed Dec. of 2021. ;	07/21/2022	No	Permeable Pavement	0		Private
4013 Colley Mixed Use	16-0109.1	MWHITE02 - 2022-07-21 08:19:37 -- Please perform vacuum sweeping according to the manufacturer's specifications (this should be done annually). Please provide a copy of the maintenance records. Please fix broken observation well cap. ;	07/21/2022	Yes	Permeable Pavement 2	0		Private
STUART SCHOOL APARTMENTS	19-0086.1	MWHITE02 - 2022-07-21 14:18:01 -- Please perform vacuum sweeping according to the manufacturer's specifications (this should be done annually). Please provide a copy of the maintenance records.;	07/21/2022	Yes	Permeable Pavement	0		Private
Mazzika Restaurant	T4.1	MWHITE02 - 2022-07-21 15:13:43 -- BMP appears to be maintained, no standing water or accumulated sediment. Will probably need to be regraded next inspection. ;	07/21/2022	No	Infiltration Practices	0		Private
University Pizza Parking	02-0265.1	MWHITE02 - 2022-07-22 10:01:46 -- Swale is present but hard to distinguish. ;	07/22/2022	No	Grass Channel	0		Private
Townhomes	04-0132.1	MWHITE02 - 2022-07-22 15:04:34 -- BMP is well maintained. ;	07/22/2022	No	Infiltration Practices	0		Private
Townhomes	04-0132.2	MWHITE02 - 2022-07-22 15:07:27 -- Infiltration trench is maintained, not holding water. ;	07/22/2022	No	Permeable Pavement	0		Private
Lake Modoc	16-0054.1	MWHITE02 - 2022-07-22 15:23:03 -- BMP is well maintained. 2nd aerator is currently down.;	07/22/2022	No	Wet Pond 2	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
River Tower at Harbor's Edge	18-0061.1	MWHITE02 - 2022-07-22 10:39:47 -- Please vacuum sweep the permeable pavement system according to the manufacturer's specifications and provide a copy of the maintenance records. (Vacuum sweeping should be performed annually);	07/22/2022	Yes	Permeable Pavement 1	0		Private
River Tower at Harbor's Edge	18-0061.2	MWHITE02 - 2022-07-22 10:40:21 -- Please vacuum sweep the permeable pavement system according to the manufacturer's specifications and provide a copy of the maintenance records. (Vacuum sweeping should be performed annually);	07/22/2022	Yes	Permeable Pavement 1	0		Private
Harbors edge parking lot	19-0058.1	MWHITE02 - 2022-07-22 10:24:28 -- Please vacuum sweep the permeable pavement system and provide a copy of the maintenance records. (Vacuum sweeping should be performed annually);	07/22/2022	Yes	Permeable Pavement 1	0		Private
Harbors edge parking lot	19-0058.2	MWHITE02 - 2022-07-22 10:29:46 -- Please vacuum sweep the permeable pavement system and provide a copy of the maintenance records. (Vacuum sweeping should be performed annually);	07/22/2022	Yes	Permeable Pavement 1	0		Private
Harbors edge parking lot	19-0058.3	MWHITE02 - 2022-07-22 10:29:36 -- Please vacuum sweep the permeable pavement system and provide a copy of the maintenance records. (Vacuum sweeping should be performed annually);	07/22/2022	Yes	Permeable Pavement 1	0		Private
Harbors edge parking lot	19-0058.4	MWHITE02 - 2022-07-22 10:29:22 -- Please vacuum sweep the permeable pavement system and provide a copy of the maintenance records. (Vacuum sweeping should be performed annually);	07/22/2022	Yes	Permeable Pavement 1	0		Private
Verizon Virginia, Inc.	02-0283.1	MWHITE02 - 2022-07-25 13:28:38 -- BMP is well maintained. ;	07/25/2022	No	Infiltration Practices	0		Private
FOR Kids Residence	04-0120.1	MWHITE02 - 2022-07-25 14:02:58 -- Swale not very defined, railway timbers serving as a check dam. ;	07/25/2022	No	Infiltration Practices	0		Private
W 29th St Parking Lot	11-0076.1	MWHITE02 - 2022-07-25 11:11:29 -- Please vacuum sweep the pervious concrete according to the manufacturer's specifications and provide a copy of the maintenance records. ;	07/25/2022	Yes	Permeable Pavement	1	09-07-2022	Private
SF DEMO & PARKING LOT	18-0100.1	MWHITE02 - 2022-07-25 13:16:53 -- BMP is well maintained. No maintenance specifications called out in plans, address as-needed. ;	07/25/2022	Yes	Permeable Pavement 1	0		Private
SF DEMO & PARKING LOT	18-0100.2	MWHITE02 - 2022-07-25 12:56:39 -- BMP is well maintained. ;	07/25/2022	No	Permeable Pavement 1	0		Private
CHKD Medical Tower II	19-0028.1	MWHITE02 - 2022-07-25 14:29:18 -- BMP is well maintained. Continuous flow of water from AC condensate on, monitor for sediment clogging trash rack.;	07/25/2022	No	Detention Basin	0		Private
CHKD Medical Tower II	19-0028.2	MWHITE02 - 2022-07-25 14:22:11 -- BMP is well maintained. ;	07/25/2022	No	Bioretention	0		Private
Norfolk Terminal Phase 1	21-0033.1	MWHITE02 - 2022-07-25 14:49:33 -- BMP is well maintained, released June 2022. ;	07/25/2022	No	Manufactured Treatment Device	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Cullifer Construction Company	T282.1	MWHITE02 - 2022-07-25 13:38:04 -- Reminded the company not to park in the infiltration basin. BMP is otherwise functioning.;	07/25/2022	No	Infiltration Practices	0		Private
Turbo Wash Dry Cleaners	T755.1	MWHITE02 - 2022-07-25 11:32:54 -- BMP is well maintained. ;	07/25/2022	No	Infiltration Practices	0		Private
Duplex Lot Y	08-0090.1	MWHITE02 - 2022-07-26 10:45:00 -- BMP is well maintained.;	07/26/2022	No	Bioretention	0		Private
Duplex Lot X	08-0091.1	MWHITE02 - 2022-07-26 10:55:50 -- BMP is well maintained. ;	07/26/2022	No	Bioretention	0		Private
Duplex Lot X	08-0091.2	MWHITE02 - 2022-07-26 10:58:10 -- BMP is well maintained. ;	07/26/2022	No	Bioretention	0		Private
Mount Hermon Baptist Church Parking Addition	09-0058.1	MWHITE02 - 2022-07-26 11:29:07 -- BMP is well maintained.;	07/26/2022	No	Extended Detention Basin	0		Private
Mount Hermon Baptist Church Parking Addition	09-0058.2	MWHITE02 - 2022-07-26 11:29:19 -- BMP is well maintained. ;	07/26/2022	No	Detention Basin	0		Private
Mount Hermon Baptist Church Parking Addition	09-0058.3	MWHITE02 - 2022-07-26 11:29:29 -- BMP is well maintained. ;	07/26/2022	No	Detention Basin	0		Private
Killam Avenue Eatery	12-0016.1	MWHITE02 - 2022-07-27 07:27:46 -- BMP is well maintained. ;	07/26/2022	No	Infiltration Practices	0		Private
Bolling Square Apartments Phase I	03-0280.1	MWHITE02 - 2022-07-27 09:35:41 -- BMP is well maintained. ;	07/27/2022	No	Bioretention	0		Private
Bolling Square Apartments Phase I	03-0280.2	MWHITE02 - 2022-07-27 12:41:26 -- BMP is well maintained.;	07/27/2022	No	Bioretention	0		Private
Bolling Square Apartments Phase I	03-0280.3	MWHITE02 - 2022-07-27 12:47:04 -- Swale is well maintained. ;	07/27/2022	No	Grass Channel	0		Private
Islamic Center	10-0050.1	MWHITE02 - 2022-07-27 13:03:44 -- BMP is maintained, they have removed and paved the island on the side.;	07/27/2022	No	Bioretention	0		Private
Killam Avenue Eatery	12-0016.1	MWHITE02 - 2022-07-27 07:26:21 -- Duplicate inspection form ;	07/27/2022	No	Infiltration Practices	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Sewells Point Elementary	20-0044.1	MWHITE02 - 2022-08-02 09:16:45 -- BMP installed, filterra activation letter received. First inspection. ;	07/27/2022	No	Manufactured Treatment Device	0		School
Single Family - 613 New Hampshire Ave	B21-02440.1	ADOAN - 2022-07-27 08:54:10 -- Post construction/initial inspection.;	07/27/2022	No	Cisterns and Rain Barrels	0		Private
Single Family - 613 New Hampshire Ave	B21-02440.2	ADOAN - 2022-07-27 08:50:19 -- Post construction/initial inspection.;	07/27/2022	No	Cisterns and Rain Barrels	0		Private
Single Family - 613 New Hampshire Ave	B21-02440.3	ADOAN - 2022-07-27 08:54:24 -- Post construction/initial inspection.;	07/27/2022	No	Cisterns and Rain Barrels	0		Private
Single Family - 613 New Hampshire Ave	B21-02440.4	ADOAN - 2022-07-27 08:55:04 -- Post construction/initial inspection.;	07/27/2022	No	Cisterns and Rain Barrels	0		Private
Single Family - 613 New Hampshire Ave	B21-02440.5	ADOAN - 2022-07-27 08:55:42 -- Post construction/initial inspection.;	07/27/2022	No	Infiltration Practices	0		Private
Single Family - 617 New Hampshire Ave	B21-02453.1	ADOAN - 2022-07-27 09:04:03 -- Post construction/initial inspection.;	07/27/2022	No	Cisterns and Rain Barrels	0		Private
Single Family - 617 New Hampshire Ave	B21-02453.2	ADOAN - 2022-07-27 09:06:12 -- Post construction/initial inspection.;	07/27/2022	No	Cisterns and Rain Barrels	0		Private
Single Family - 617 New Hampshire Ave	B21-02453.3	ADOAN - 2022-07-27 09:07:08 -- Post construction/initial inspection.;	07/27/2022	No	Cisterns and Rain Barrels	0		Private
Single Family - 617 New Hampshire Ave	B21-02453.4	ADOAN - 2022-07-27 09:07:38 -- Post construction/initial inspection.;	07/27/2022	No	Cisterns and Rain Barrels	0		Private
Single Family - 617 New Hampshire Ave	B21-02453.5	ADOAN - 2022-07-27 09:08:20 -- Post construction/initial inspection.;	07/27/2022	No	Infiltration Practices	0		Private
PABP APARTMENTS	19-0091.1	MWHITE02 - 2022-07-28 14:41:49 -- Isolator Row BMP just released in May. ;	07/28/2022	No	Manufactured Treatment Device	0		Private
PABP APARTMENTS	19-0091.2	MWHITE02 - 2022-07-28 14:44:39 -- Isolator Row BMP just released in May. ;	07/28/2022	No	Manufactured Treatment Device	0		Private
Norfolk Cruise Terminal	05-0060.1	MWHITE02 - 2022-08-02 07:47:14 -- BMP is well maintained, PM in August. ;	08/02/2022	No	Manufactured Treatment Device	0		Public

SWMF INSPECTIONS/REINSPECTIONS - FY2023

Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Norfolk Cruise Terminal	05-0060.2	MWHITE02 - 2022-08-02 07:43:44 -- BMP is well maintained, on PM for August. ;	08/02/2022	No	Manufactured Treatment Device	0		Public
Wells Fargo	09-0039.4	MWHITE02 - 2022-08-02 13:24:50 -- BMP maintained 8/2/22.;	08/02/2022	No	Manufactured Treatment Device	0		Public
Consolidated Courts Complex	10-0060.1	MWHITE02 - 2022-08-02 09:45:20 -- BMP is holding water, will have inlet flushed and reinspect.;	08/02/2022	Yes	Bioretention	0		Public
Consolidated Courts Complex	10-0060.2	MWHITE02 - 2022-08-02 14:58:09 -- BMP is well maintained.;	08/02/2022	No	Bioretention	0		Public
Consolidated Courts Complex	10-0060.3	MWHITE02 - 2022-08-02 15:01:52 -- BMP has some phragmites, RPOS is treating and they are discussing the landscaping. Timeline is unknown. Maintained in the meantime. ;	08/02/2022	No	Bioretention	0		Public
Consolidated Courts Complex	10-0060.4	MWHITE02 - 2022-08-02 15:01:35 -- Maintained in June, ok.;	08/02/2022	No	Manufactured Treatment Device	0		Public
Ballentine Elementary School Lake	S2.1	MWHITE02 - 2022-08-02 08:03:23 -- BMP is well maintained, vegetation maintenance was performed in the spring. ;	08/02/2022	No	Wet Pond	0		Public
Cape Henry Filterra	SCHF.1	MWHITE02 - 2022-08-02 08:34:23 -- On October PM schedule, some accumulated sediment. ;	08/02/2022	No	Manufactured Treatment Device	0		Public
Pope Avenue Street Improvements	T69.1	MWHITE02 - 2022-08-02 07:57:10 -- BMP is well maintained. WO put in for removal of some trash and sediment. ;	08/02/2022	Yes	Manufactured Treatment Device	0		Public
Plume Ln. Parking Garage	T715.1	MWHITE02 - 2022-08-02 08:23:02 -- BMP is well maintained. PM in August. ;	08/02/2022	No	Manufactured Treatment Device	0		Public
McKann Ave Street Expansion	06-0032.1	MWHITE02 - 2022-08-03 14:39:37 -- BMP is well maintained, some accumulated sediment, on PM for Oct. ;	08/03/2022	No	Manufactured BMP Systems	0		Public
McKann Ave Street Expansion	06-0032.2	MWHITE02 - 2022-08-03 14:41:42 -- BMP is well maintained, PM in Oct. ;	08/03/2022	No	Manufactured BMP Systems	0		Public
Slover Library	11-0027.1	MWHITE02 - 2022-08-03 08:10:51 -- BMP maintained 8/3/22. Well maintained. ;	08/03/2022	No	Manufactured Treatment Device	0		Public
Boush Street Garage	03-295.1	MWHITE02 - 2022-08-05 12:55:11 -- WO created, accumulated trash and debris. ;	08/05/2022	Yes	Manufactured Treatment Device	1	01-31-2023	Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Historic Fort Norfolk- South Hampton Avenue	10-0049.1	MWHITE02 - 2022-08-05 13:50:54 -- Filterra needs tree replaced, WO placed. ;	08/05/2022	Yes	Manufactured Treatment Device	1	02-02-2023	Public
Historic Fort Norfolk- South Hampton Avenue	10-0049.2	MWHITE02 - 2022-08-05 14:21:15 -- Filterra needs tree replaced, WO placed. ;	08/05/2022	Yes	Manufactured Treatment Device	1	02-02-2023	Public
MacArthur Mall Museum Expansion	11-0031.1	MWHITE02 - 2022-08-05 11:23:20 -- Filterra is well maintained, PM created for Oct/Apr. ;	08/05/2022	No	Manufactured Treatment Device	0		Public
MacArthur Mall Museum Expansion	11-0031.2	MWHITE02 - 2022-08-05 11:35:34 -- Underground detention basin is free of debris and functioning. ;	08/05/2022	No	Detention Basin	0		Public
Lafayette Boulevard Streetscape Improvements	16-0025.1	MWHITE02 - 2022-08-05 09:59:22 -- BMP is well maintained, PM for August. ;	08/05/2022	No	Manufactured Treatment Device	0		Public
Nauticus	91067.009.1	MWHITE02 - 2022-08-05 11:57:47 -- PM for August. Well maintained.;	08/05/2022	No	Manufactured Treatment Device	0		Public
Norfolk Public Health Center	T522.1	MWHITE02 - 2022-08-05 13:34:47 -- BMP is clear of sediment and debris, well maintained. ;	08/05/2022	No	Infiltration Practices	0		Public
Cedar Grove Parking Lot	T66.1	MWHITE02 - 2022-08-05 10:21:20 -- BMP was maintained last year and a flow path was re-established, PM is scheduled for September. Holding water after frequent rain for the last couple of weeks, will continue to monitor. ;	08/05/2022	No	Detention Basin	0		Public
Bus Transfer Station	13-0085.1	MWHITE02 - 2022-08-08 14:37:34 -- BMP well maintained, WO in for Oct. ;	08/08/2022	No	Manufactured Treatment Device	0		Public
Bus Transfer Station	13-0085.2	MWHITE02 - 2022-08-08 14:43:06 -- CDS unit maintained in May, on PM. ;	08/08/2022	No	Manufactured Treatment Device	0		Public
Bus Transfer Station	13-0085.3	MWHITE02 - 2022-08-08 14:36:54 -- BMP well maintained, WO in for Oct. ;	08/08/2022	No	Manufactured Treatment Device	0		Public
E. Water Street Open Space	20-0049.1	MWHITE02 - 2022-08-08 15:06:07 -- BMP is well maintained and well vegetated. ;	08/08/2022	No	Bioretention 1	0		Public
E. Water Street Open Space	20-0049.2	MWHITE02 - 2022-08-08 15:03:26 -- BMP is well maintained and well vegetated. ;	08/08/2022	No	Bioretention 1	0		Public
E. Water Street Open Space	20-0049.3	MWHITE02 - 2022-08-08 15:04:24 -- BMP is well maintained and well vegetated. ;	08/08/2022	No	Bioretention 1	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Tidewater Park Elementary	00-4306.1	MWHITE02 - 2022-08-09 07:48:24 -- Please remove accumulated sediment from parking lot, curb cut entrance, and swale entrance. Please re-establish swale entrance to reconnect flow path. Please address bare spots within the basin and remove soil, grass, and debris from on top of the drop inlets. ;	08/09/2022	Yes	Detention Basin	1	02-02-2023	School
Willard Elementary School Parking Lot	03-136.1	MWHITE02 - 2022-08-09 09:55:00 -- Minor sediment accumulation, but appears to be functioning well. ; MWHITE02 - 2022-08-09 09:59:09 -- Please remove accumulated sediment from the parking lot and curb cut inlet.;	08/09/2022	Yes	Infiltration Practices	0		School
Downtown Pump Station (PS 145)	07-0088.1	MWHITE02 - 2022-08-09 08:48:10 -- Some minor sediment accumulation.;	08/09/2022	No	Manufactured Treatment Device	0		Public
Forest Lawn Cemetary	10-0069.1	MWHITE02 - 2022-08-09 13:33:15 -- BMP maintained. ;	08/09/2022	No	Infiltration Practices	0		Public
Forest Lawn Mausoleum	14-0045.1	MWHITE02 - 2022-08-09 14:06:41 -- BMP is well maintained. ;	08/09/2022	No	Detention Basin	0		Public
Replacement Pump Station No. 4A	16-0026.1	MWHITE02 - 2022-08-09 08:27:49 -- BMP is well maintained, swale is clearly defined. ;	08/09/2022	No	Grass Channel	0		Public
Norfolk Courts Rear Access	16-0105.1	MWHITE02 - 2022-08-09 07:26:01 -- BMP is well maintained. ;	08/09/2022	No	Infiltration 1	0		Public
City Hall North Garage Replacement	18-0056.1	MWHITE02 - 2022-08-09 08:59:39 -- BMP is well maintained, pavers look good, no trash or debris. ;	08/09/2022	No	Permeable Pavement 1	0		Public
Green Clean	20-0059.1	MWHITE02 - 2022-08-09 15:15:50 -- Credit purchase, report created by mistake.;	08/09/2022	No	Credit Purchase	0		Private
Green Clean	20-0059.2	MWHITE02 - 2022-08-09 15:19:01 -- Cistern well maintained and connected to downspout.;	08/09/2022	No	Cisterns and Rain Barrels	0		Private
Green Clean	20-0059.3	MWHITE02 - 2022-08-09 15:17:51 -- Cistern well maintained and connected to downspout.;	08/09/2022	No	Cisterns and Rain Barrels	0		Private
Green Clean	20-0059.4	MWHITE02 - 2022-08-09 15:18:27 -- Cistern well maintained and connected to downspout.;	08/09/2022	No	Cisterns and Rain Barrels	0		Private
Green Clean	20-0059.5	MWHITE02 - 2022-08-09 15:18:37 -- Cistern well maintained and connected to downspout.;	08/09/2022	No	Cisterns and Rain Barrels	0		Private
Green Clean	20-0059.6	MWHITE02 - 2022-08-09 15:18:49 -- Cistern well maintained and connected to downspout.;	08/09/2022	No	Cisterns and Rain Barrels	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
WVEC Parking Lot improvements	01-0055.1	MWHITE02 - 2022-08-11 15:20:44 -- BMP is well maintained.;	08/11/2022	No	Infiltration Practices	0		Private
Riverpark Condominiums	02-0075.1	MWHITE02 - 2022-08-11 15:08:56 -- BMP is well maintained, there is no noticeable sediment or debris, minimal water from rain last night. ;	08/11/2022	No	Manufactured Treatment Device	0		Private
Southside Aquatic Center	11-0020.1	MWHITE02 - 2022-08-11 14:55:51 -- PM in september, will re-inspect after.;	08/11/2022	No	Detention Basin	0		Public
Norfolk Multi-Modal Transportation Center	12-0044.1	MWHITE02 - 2022-08-11 13:06:37 -- Filterra is well maintained, next PM in October. ;	08/11/2022	No	Manufactured Treatment Device	0		Public
NRHA Broad Creek Ph. 5	14-0022.1	MWHITE02 - 2022-08-11 13:36:55 -- BMP is maintained, some trash and debris but is on a maintenance schedule. ;	08/11/2022	No	Extended Detention Basin	0		Public
Jeff Robertson Park	15-0014.1	MWHITE02 - 2022-08-11 14:10:23 -- Wetland is well maintained. ;	08/11/2022	No	Stormwater Wetland	0		Public
Penske Trucking	07-0054.1	MWHITE02 - 2022-08-12 10:00:09 -- Maintained. Kenyatta James, the location manager, confirms that they perform regular Filterra maintenance. Provided with checklist to fill out to better record future maintenance. ;	08/12/2022	No	Manufactured Treatment Device	0		Private
Penske Trucking	07-0054.2	MWHITE02 - 2022-08-12 10:01:38 -- Maintained. Kenyatta James, the location manager, confirms that they perform regular Filterra maintenance. Provided with checklist to fill out to better record future maintenance. ;	08/12/2022	No	Manufactured Treatment Device	0		Private
Partrea Apartments	13-0026.1	MWHITE02 - 2022-08-12 10:11:57 -- Maintained by NRHA.;	08/12/2022	No	Manufactured Treatment Device	0		Private
Givens Enterprise	GIVENS.1	MWHITE02 - 2022-08-12 11:25:46 -- Please remove accumulated sediment from the swale and swale entrance. ;	08/12/2022	Yes	Grass Channel	1	05-02-2023	Private
Norfolk Collegiate Lower School	T478.1	MWHITE02 - 2022-08-12 15:09:41 -- BMP is well maintained, cattails and overgrowth cleared out in the spring. ;	08/12/2022	No	Extended Detention Basin	0		Private
H.B. Hunter Parking Lot	T614.1	MWHITE02 - 2022-08-12 10:36:49 -- Please remove accumulated sediment, trash, and vegetation along the curb line and curb cut inlets into the infiltration basins. ;	08/12/2022	Yes	Infiltration Practices	1	05-02-2023	Private
H.B. Hunter Parking Lot	T614.2	MWHITE02 - 2022-08-12 10:45:06 -- Please remove accumulated sediment, trash, and vegetation along the curb line and curb cut inlets into the infiltration basins. ;	08/12/2022	Yes	Infiltration Practices	1	05-02-2023	Private
H.B. Hunter Parking Lot	T614.3	MWHITE02 - 2022-08-12 10:45:15 -- Please remove accumulated sediment, trash, and vegetation along the curb line and curb cut inlets into the infiltration basins. ;	08/12/2022	Yes	Infiltration Practices	1	05-02-2023	Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Harbor Heights	05-0073.1	MWHITE02 - 2022-08-15 15:19:20 -- Please maintain the Contech Stormfilter in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	08/15/2022	Yes	Manufactured Treatment Device	1	05-04-2023	Private
McRae Commons Condo Units	05-0145.1	MWHITE02 - 2022-08-15 15:18:34 -- OK;	08/15/2022	No	Infiltration Practices	0		Private
CVS E Va Bch Blvd. and Newton	10-0071.1	MWHITE02 - 2022-08-15 12:33:46 -- Please maintain the Filterrra Unit according to the manufacturer's specifications and provide a copy of the maintenance record.;	08/15/2022	Yes	Manufactured Treatment Device	1	08-25-2022	Private
Chrysler Museum - Gallery Project	T222.1	MWHITE02 - 2022-08-15 14:58:32 -- BMP is well maintained, roof drain must be connected below grade. See site 11-0057. ;	08/15/2022	No	Infiltration Practices	0		Private
Rotunda Condominiums	05-0156.1	MWHITE02 - 2022-08-16 15:14:58 -- Please maintain the Filterra Units in accordance with the manufacturer's specifications and provide a copy of the maintenance records.;	08/16/2022	Yes	Manufactured Treatment Device	1	04-27-2023	Private
Rotunda Condominiums	05-0156.2	MWHITE02 - 2022-08-16 15:19:33 -- U/G infiltration system is well maintained. ;	08/16/2022	No	Manufactured Treatment Device	0		Private
Rotunda Condominiums	05-0156.3	MWHITE02 - 2022-08-16 15:17:18 -- Please maintain the Filterra unit according to the manufacturer's specifications and provide a copy of the maintenance records. ;	08/16/2022	Yes	Manufactured Treatment Device	1	04-27-2023	Private
Widgeon Point	06-0110.1	MWHITE02 - 2022-08-16 09:44:13 -- Please maintain the Filterra Unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	08/16/2022	Yes	Manufactured Treatment Device	0		Private
Widgeon Point	06-0110.2	MWHITE02 - 2022-08-16 09:44:52 -- Please maintain the Filterra Unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records.;	08/16/2022	Yes	Manufactured Treatment Device	0		Private
Widgeon Point	06-0110.3	MWHITE02 - 2022-08-16 09:45:03 -- Please maintain the Filterra Unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records.;	08/16/2022	Yes	Manufactured Treatment Device	0		Private
Widgeon Point	06-0110.4	MWHITE02 - 2022-08-16 09:45:14 -- Please maintain the Filterra Unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records.;	08/16/2022	Yes	Manufactured Treatment Device	0		Private
Chrysler Museum Expansion and Renovation	11-0057.1	MWHITE02 - 2022-08-16 14:59:39 -- Please maintain the Filterra Unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	08/16/2022	Yes	Manufactured Treatment Device	1	04-27-2023	Private
Chrysler Museum Expansion and Renovation	11-0057.2	MWHITE02 - 2022-08-16 15:01:57 -- Please maintain the Filterra Unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. ;	08/16/2022	Yes	Manufactured Treatment Device	0		Private
Starbucks - The Corner Shops	16-0063.1	MWHITE02 - 2022-08-17 13:23:43 -- Urban bioretention is well maintained, no erosion. ;	08/17/2022	No	Bioretention- Micro 1	0		Private

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Starbucks - The Corner Shops	16-0063.2	MWHITE02 - 2022-08-17 13:39:30 -- BMP is well maintained. ;	08/17/2022	No	Permeable Pavement 1	0		Private
Norview High School	02-0010.1	MWHITE02 - 2022-08-22 15:19:08 -- BMP is well maintained. ;	08/22/2022	No	Wet Pond	0		School
EOV Basketball Ct.	21-0060.1	MWHITE02 - 2022-08-22 07:43:08 -- First inspection, bmp is well maintained. ;	08/22/2022	No	Infiltration 1	0		Public
Sherwood Forest Elementary School	05-0087.1	MWHITE02 - 2022-08-23 12:51:00 -- Please remove accumulated sediment from in and in front of the flared end inlet pipe. ;	08/23/2022	Yes	Detention Basin	0		School
Duplex	06-0045.1	MWHITE02 - 2022-08-23 10:51:52 -- BMP is well maintained. ;	08/23/2022	No	Manufactured Treatment Device	0		Public
Duplex	06-0045.2	MWHITE02 - 2022-08-23 11:06:34 -- BMP is well maintained. ;	08/23/2022	No	Bioretention	0		Public
Duplex	06-0045.3	MWHITE02 - 2022-08-23 10:57:01 -- Tree needs to be replaced. ;	08/23/2022	Yes	Manufactured Treatment Device	1	01-31-2023	Public
Coleman Place Elementary School	06-0059.1	MWHITE02 - 2022-08-23 12:34:20 -- Please address erosion. ;	08/23/2022	No	Wet Pond	2	02-23-2023	School
Norview Community Center	06-0116.1	MWHITE02 - 2022-08-23 13:51:11 -- Please address erosion and place stone at curb inlets to prevent future erosion. Please re-stabilize/replant bioretention basin. ;	08/23/2022	Yes	Bioretention Basins	0		Public
Dey Street and Texas Avenue Roadway Extention	07-0017.1	MWHITE02 - 2022-08-23 11:44:30 -- BMP is well maintained. ;	08/23/2022	No	Infiltration Practices	0		Public
Palmetto St Drainage Improvement	11-0071.1	MWHITE02 - 2022-08-23 11:27:57 -- Maintained in August, monitor growth. ;	08/23/2022	No	Detention Basin	0		Public
MCNUTT COURT POND	S105.1	MWHITE02 - 2022-08-23 14:30:27 -- BMP is well maintained, see notes. Put in the system May 2022. ;	08/23/2022	No	Detention Basin	0		Public
MCNUTT COURT POND	S105.2	MWHITE02 - 2022-08-23 14:31:21 -- BMP is well maintained, see notes. Put in the system May 2022. ;	08/23/2022	No	Detention Basin	0		Public
Norview Community Center	06-0116.2	MWHITE02 - 2022-08-24 14:59:13 -- BMP is well maintained. ;	08/24/2022	No	Infiltration Practices	0		Public

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Central Business Park Pond Retrofit	16-0047.1	MWHITE02 - 2022-08-24 15:12:07 -- BMP is well maintained. ;	08/24/2022	No	Wet Pond 1	0		Public
Kennebaeck Ave Azalea Garden Rd Drainage	16-0060.1	MWHITE02 - 2022-08-24 14:55:01 -- BMP was maintained in June. ;	08/24/2022	No	Manufactured Treatment Device	0		Public
Norfolk Commerce Pond #3	S11.1	MWHITE02 - 2022-08-24 14:40:34 -- Please address erosion near inlet pipe at Almeda Ave. Please remove accumulated sediment from other inlet pipe closer to Military Hwy. ;	08/24/2022	Yes	Detention Basin	1	01-30-2023	Public
Sherwood Forest Elementary	01-0198.1	MWHITE02 - 2022-08-25 07:26:19 -- Please remove accumulated sediment from the parking lot, curb and gutter, and curb cut inlets and create a flow path into the BMP. ;	08/25/2022	Yes	Infiltration Practices	0		School
Pretty Lake Terrace - Infrastructure Only	03-0129.1	MWHITE02 - 2022-08-25 15:19:16 -- BMP is well maintained. ;	08/25/2022	No	Grass Channel	0		Public
Tarrallton Elementary Parking Lot	06-0142.1	MWHITE02 - 2022-08-25 15:16:13 -- BMP is well maintained. ;	08/25/2022	No	Grass Channel	0		School
Little Creek Elementary Parking Lot	06-0143.1	MWHITE02 - 2022-08-25 15:09:45 -- Please remove accumulated sediment from curb cut inlet and re-establish a flow path into the bmp. ;	08/25/2022	Yes	Grass Channel	2	02-10-2023	School
Tarrallton Park Improvements	07-0031.1	MWHITE02 - 2022-08-25 15:20:27 -- BMP is well maintained, no accumulated debris or sediment. ;	08/25/2022	No	Manufactured Treatment Device	0		Public
2nd Patrol Division	09-0030.1	MWHITE02 - 2022-08-25 09:51:25 -- Repairs from 2021 seem to have held. There is another spot with an issue adjacent to the repair that needs to be addressed. Please maintain pavers per the manufacturer's specifications and remove all accumulated debris and sediment. ;	08/25/2022	Yes	Permeable Pavement	1	01-30-2023	Public
Towing Operations Center	13-0061.1	MWHITE02 - 2022-08-25 08:05:24 -- June PM was marked complete, crew went to the wrong site. New WO has been created with more specific directions. ;	08/25/2022	Yes	Bioretention	0		Public
Templar Boulevard Ditch Restoration	16-0046.1	MWHITE02 - 2022-08-25 14:57:24 -- Ditch is in good condition. ;	08/25/2022	No	Other Retrofit- Stormwater Treatment	0		Public
1600 E. Little Creek Rd-Aldi	17-0093.1	ADOAN - 2022-08-25 15:02:30 -- 2022-08-25: Area of dead grass was reseeded and matted. Overall site in excellent condition. ;	08/25/2022	No	Detention Basin	0		Private
Norview Middle School	92067.082.1	MWHITE02 - 2022-08-25 09:21:24 -- BMP is well maintained. ;	08/25/2022	No	Extended Detention Basin	1	02-10-2023	School
Norview Middle School	92067.082.2	MWHITE02 - 2022-08-25 09:25:32 -- Please address broken inlet pipe and the erosion around it. Please remove any accumulated sediment and debris from the inlet pipes and outlet structure. ;	08/25/2022	Yes	Extended Detention Basin	1	02-10-2023	School

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Bay Oaks Place Extension	01-0026.1	MWHITE02 - 2022-08-29 08:19:44 -- BMP is well maintained, 4 curb inlets w U/G infiltration.;	08/29/2022	No	Manufactured Treatment Device	0		Public
Blair Middle School	03-0090.1	MWHITE02 - 2022-08-29 13:11:44 -- Remove debris and accumulated sediment throughout the infiltration trench. ;	08/29/2022	Yes	Infiltration Practices	1	01-30-2023	School
Blair Middle School	03-0090.2	MWHITE02 - 2022-08-29 13:27:38 -- Please remove all trash and debris from the basin and structures. ;	08/29/2022	Yes	Detention Basin	1	01-30-2023	School
Ghent Elementary School Bus Loop	05-0088.1	MWHITE02 - 2022-08-29 13:59:24 -- BMP is well maintained. ;	08/29/2022	No	Infiltration Practices	0		School
Parking Lot	08-0103.1	MWHITE02 - 2022-08-29 14:49:56 -- BMP is well maintained, minimal sediment and debris in the structure. ;	08/29/2022	No	Infiltration Practices	0		Public
Parking Lot	08-0103.2	MWHITE02 - 2022-08-29 14:30:30 -- Riser is missing cap and is a safety issue. WO has been placed. Pipe also needs to be cleaned after repair is made. ;	08/29/2022	Yes	Infiltration Practices	1	01-31-2023	Public
Parking Lot	08-0103.3	MWHITE02 - 2022-08-29 14:43:12 -- BMP is well maintained, minimal sediment and debris in structure. ;	08/29/2022	No	Infiltration Practices	0		Public
Bay Oaks Park	13-0046.1	MWHITE02 - 2022-08-29 07:35:59 -- BMP is well maintained. ;	08/29/2022	No	Detention Basin	0		Public
Bay Oaks Park	13-0046.2	MWHITE02 - 2022-08-29 07:42:27 -- BMP is well maintained.;	08/29/2022	No	Detention Basin	0		Public
Lake Whitehurst Harvesting Facility	T125.1	MWHITE02 - 2022-08-29 08:01:21 -- WO placed to remove sediment and debris from structure. ;	08/29/2022	Yes	Detention Basin	1	01-30-2023	Public
Southside Aquatic Center	11-0020.1		08/31/2022	Yes	Detention Basin	1	11-03-2022	Public
Southside Library	18-0087.1	CLVANLE - 2022-08-31 13:32:22 -- BMP functioning well. No litter or overgrowth of vegetation present.;	08/31/2022	Yes	Bioretention 1	0		Public
Southside Library	18-0087.2		08/31/2022	Yes	Bioretention 1	1	11-03-2022	Public
WEST 38TH STRTEET APARTMENTS CIVIL SITE PLANS	21-0029.1	MWHITE02 - 2022-08-31 14:11:56 -- First inspection post-construction. BMP in good condition. ;	08/31/2022	No	Manufactured Treatment Device	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
U-Haul Center	T293.1	MWHITE02 - 2022-08-31 13:58:57 -- BMP is well maintained. ;	08/31/2022	No	Infiltration Practices	0		Private
Campostella Elementary	14-0073.1	CLVANLE - 2022-09-28 13:30:37 -- Well maintained. Low water levels due to few rainfall events.;	09/28/2022	No	Wet Pond	0		School
Norfolk Commerce Pond #2	S10.1	CLVANLE - 2022-09-28 13:57:18 -- Well maintained.;	09/28/2022	No	Wet Pond	0		Private
Norfolk Commerce Pond #1	S9.1	CLVANLE - 2022-09-28 14:05:28 -- Well maintained.;	09/28/2022	No	Wet Pond	0		Private
Home Depot, Broad Creek Crossing	T548.1	CLVANLE - 2022-09-28 13:13:21 -- Well maintained. Low water levels due to few rainfall events.;	09/28/2022	No	Wet Pond	0		Private
Commander Corporate Center	06-0040.1	CLVANLE - 2022-10-10 09:07:06 -- Please remove all high vegetation grasses around pond, as well as any woody vegetation.
 Please rework rip-rap at all inlet/outlet pipes to remove sediment accumulation.
 Please remove small rock that was placed on rip-rap at outfall.;	10/06/2022	No	Wet Pond	1	01-17-2023	Private
Ford Motor Company Body Shop & Final Area Addition	T487.1	ADOAN - 2022-10-13 08:42:50 -- 2022-10-11: During a routine inspection at another site, staff noted that the BMP had been completely cleared, dug out, and reseeded/jutematted. BMP has been maintained. ;	10/11/2022	No	Detention Basin	0		Private
AIM Technical School Parking Lot & SWM	19-0042.1	CLVANLE - 2022-10-14 10:05:49 -- BMP is in good condition. Plantings around the pond are thriving.;	10/12/2022	No	Wet Pond 1	0		Private
BJ's Wholesale Warehouse	T121.1	CLVANLE - 2022-10-13 15:04:55 -- Water levels low due to low precipitation levels;	10/12/2022	No	Wet Pond	0		Private
Berkley Basketball Court	09-0015.1	CLVANLE - 2022-10-19 13:27:25 -- BMP in good condition.;	10/18/2022	No	Infiltration Practices	0		Public
Jeff Robertson Park - parking lot	09-0068.1	CLVANLE - 2022-10-19 13:12:48 -- The Garden Club of Norfolk is in the process of providing revitalization to this BMP.;	10/18/2022	No	Infiltration Practices	0		Public
Norfolk Premium Outlets	15-0045.1	CLVANLE - 2022-10-19 10:40:55 -- BMP well maintained.;	10/18/2022	No	Wet Pond 1	0		Private
Norfolk Premium Outlets	15-0045.2	CLVANLE - 2022-10-19 11:01:29 -- BMP well maintained.;	10/18/2022	No	Wet Pond 1	0		Private
Norfolk Premium Outlets	15-0045.3	CLVANLE - 2022-10-19 10:58:27 -- BMP well maintained.;	10/18/2022	No	Wet Pond 1	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Lake Wright Executive Center	98-3611.1	CLVANLE - 2022-10-19 11:14:47 -- BMP was well maintained.;	10/18/2022	No	Wet Pond	0		Private
7-Eleven Site Improvements	21-0051.2	ADOAN - 2022-12-13 07:17:44 -- 2022-10-31: Initial inspection after construction completed. Site is in excellent condition. ;	10/31/2022	No	Manufactured Treatment Device	0		Private
Office Warehouse	05-0195.1	CLVANLE - 2022-11-17 08:57:20 -- Remove sediment accumulation blocking inlet pipe at the bottom of the outfall structure. Remove all trash and debris from basin and dispose of in a lawful manner.; CLVANLE - 2023-01-12 15:11:40 -- Inspection date moved to 2/17/2023 per request from Mehul Shah.;	11/14/2022	Yes	Extended Detention Basin	1	04-20-2023	Private
YMCA Family Center on Granby Street	12-0024.1	CLVANLE - 2022-11-17 10:09:11 -- Please maintain the Filterra units in accordance with the manufacturer's recommendations. Please provide a copy of the maintenance records.
 ;	11/15/2022	No	Manufactured Treatment Device	1	04-20-2023	Private
YMCA Family Center on Granby Street	12-0024.2	CLVANLE - 2022-11-17 10:42:32 -- Please maintain the Filterra units in accordance with the manufacturer's recommendations. Please provide a copy of the maintenance records.;	11/15/2022	Yes	Manufactured Treatment Device	1	04-20-2023	Private
Multi-Family Residential Development	21-0001.1	ADOAN - 2022-11-15 11:03:27 -- 2022-11-15: Initial Inspection after construction. BMP good.;	11/15/2022	No	Detention Basin	0		Private
Osprey Watch	18-0028.1	ADOAN - 2022-12-05 10:36:50 -- 2022-11-16: Post construction Inspection. Final stabilization of pond. ROW still holding bond. ;	11/16/2022	No	Wet Pond 1	0		Public
841 Redgate Ave - Site Improvements CHKD	18-0004.1	ADOAN - 2023-02-09 10:01:51 -- 2022-11-28: Spillway to storm drain contains accumulated sediment and trash. Repaired curb cut from eroding by installing 57 stone. ;	11/28/2022	Yes	Grass Channel	0		Private
Duplex	03-0308.1	MEHAINE - 2022-12-01 13:00:43 -- Function was adequate at the time of inspection;	12/01/2022	No	Detention Basin	0		Private
Duplex	03-0308.2	MEHAINE - 2022-12-01 13:06:22 -- Function was adequate at the time of inspection;	12/01/2022	No	Detention Basin	0		Private
Saint Pius Church Addition	04-0135.1	MEHAINE - 2022-12-01 10:14:06 -- BMP is old but was functional at the time of inspection. Inspection was performed during actual rain event. Sediment accumulation coupled with mowing operations will eventually cause the need for sediment removal or regrading, but current conditions are adequate.;	12/01/2022	No	Grass Channel	0		Private
4206 Pretty Lake two family	08-0073.1	MEHAINE - 2022-12-01 11:23:46 -- Site is in good condition;	12/01/2022	No	Infiltration Practices	0		Private
Duplex	08-0099.1	MEHAINE - 2022-12-01 11:03:19 -- Swales are functional. Inspection was done during rain event; no ponding, sediment transport, litter presence noted. vegetation is thin, but adequate.;	12/01/2022	No	Grass Channel	0		Private
Coastal Villas by the Bay	15.0025.3	MEHAINE - 2022-12-01 13:36:51 -- Minor maintenance required- remove leaves and debris from outfall structure;	12/01/2022	Yes	Grass Channel	1	04-20-2023	Private

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Coastal Villas by the Bay	15-0025.1	MEHAINE - 2022-12-01 13:20:53 -- Bioretention- lid is off of sanitary sewer pipe, no discharge noted. Turf area is thin but surrounded but is not eroding.;	12/01/2022	No	Bioretention 2	0		Private
Coastal Villas by the Bay	15-0025.2	MEHAINE - 2022-12-01 13:29:35 -- Minor maintenance is required. Remove debris accumulation from outfall basin, remove sediment accumulation from mouth of swale, remove sediment accumulation from curb and gutter caused by blocked swale.;	12/01/2022	Yes	Grass Channel	1	04-19-2023	Private
Liberty Tax Service	T699.1	MEHAINE - 2022-12-01 10:42:34 -- Remaining grass swale on lot where building has been demolished. Swale is intact, vegetation is maintained. Archive status pending redevelopment plan approval.;	12/01/2022	No	Grass Channel	0		Private
Duplex	05-0124.1	MEHAINE - 2022-12-08 10:57:36 -- Gravel infiltration beds have been in place for a long time. Beds are completely vegetated but continue to provide infiltration.;	12/05/2022	No	Infiltration Practices	0		Private
Bay Oaks Place Extension NRHA	T212.1	MEHAINE - 2022-12-08 10:51:49 -- Site was clean, no sediment accumulation. Leaf accumulation was as expected for the season;	12/05/2022	No	Infiltration Practices	0		Public
Bay Oaks Place	T509.1	MEHAINE - 2022-12-08 10:17:11 -- Pavement was clean, area is fully vegetated, no evidence of trash in pipe or pooling outside of the system;	12/05/2022	No	Infiltration Practices	0		Public
Fire Station	T574.1	MEHAINE - 2022-12-08 11:26:13 -- Excessive sediment accumulation in parking lot against curb cut to swale. Sediment accumulation in swale is impeding water flow to yard drain. Maintenance required. ;	12/05/2022	Yes	Grass Channel	1	01-20-2023	Public
Bay Oaks Place (NRHA)	T58.1	MEHAINE - 2022-12-08 10:41:55 -- Site is clean, no erosion from adjacent properties into system. Leaf accumulation is not excessive and to be expected for the season. Litter is not an issue.;	12/05/2022	No	Infiltration Practices	0		Public
McDonald's rebuild	07-0113.1	MEHAINE - 2022-12-09 13:57:38 -- Sediment accumulation present in the gutter and curb inlet. Inlet chamber is full of leaves, litter and various trash. There is an odor of grease. Inlet chamber and infiltration pipe need maintenance.;	12/09/2022	Yes	Infiltration Practices	1	12-16-2022	Private
Bay Point Club House	92067.013.1	MEHAINE - 2022-12-09 13:43:18 -- Infiltration trenches are well maintained. Gravel surface is clean, there are no eroded or compromised sections, and the site is clean.;	12/09/2022	No	Infiltration Practices	0		Private
Pretty Lake Townhouses	03-0303.1	MEHAINE - 2022-12-12 09:12:58 -- There is a pile of pine rounds dumped in the back of the dry pond that must be removed.;	12/12/2022	Yes	Extended Detention Basin	1	01-10-2023	Private
Virginia Paving Co.	99-4218.1	MEHAINE - 2022-12-12 13:19:43 -- The wet and dry detention facilities are in overall good condition but require maintenance.
 1. The wet pond accepts sheet flow from much of the paved area of the property and has an accumulation of sediment along the entire edge of the asphalt and into the rock
 embankment of the pond that needs to be removed from both the pavement and rocks.
 2. Vegetation control is necessary within the entire structure, with attention given to the elimination of volunteer trees and the removal of accumulated vegetative debris.
 3. Remove and prevent future fluids accumulation around and under the bulldozer and the excavator as discussed during inspection.;	12/12/2022	No	Wet Pond	0		Private
Trail of the Tiger Exhibit	07-0126.1	CLVANLE - 2022-12-19 14:34:47 -- BMP was maintained by Coastal Pipe Services. All filters were replaced and storm chamber cleaned out.;	12/14/2022	No	Manufactured Treatment Device	0		Public
Colonna's Shipyard Shafting Workshop	21-0028.2		12/16/2022	No	Permeable Pavement 1	0		Private

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Virginia Paving Co.	99-4218.2	MEHAINE - 2022-12-16 12:10:55 -- Facility needs maintenance. Outfall needs to be cleared to ditch; severe erosion at driveway culvert needs to be filled and matted.;	12/16/2022	Yes	Detention Basin	1	04-20-2023	Public
Vinings Landing Marine Center	04-0026.1	MEHAINE - 2022-12-27 10:47:49 -- Structure is in general good condition and free from sediment. The outfall pipe shows signs of seal failure and needs to be parged. The outfall pipe end at the water also needs to be cleaned out to allow for positive drainage.;	12/19/2022	Yes	Manufactured Treatment Device	1	02-27-2023	Private
Vinings Landing Marine Center	04-0026.2	MEHAINE - 2022-12-27 10:57:04 -- Hydrodynamic separator structure #2 is in working order with minimal sediment. No maintenance required.;	12/19/2022	No	Manufactured BMP Systems	0		Private
Vinings Landing Marine Center	04-0026.3	MEHAINE - 2022-12-27 11:08:26 -- Structure does not show sediment accumulation, however, it is not supposed to hold water. Outfall pipe does not allow for complete positive drainage. Remove vegetation overgrowth from outfall pipe end at bulkhead.;	12/19/2022	Yes	Manufactured BMP Systems	1	02-27-2023	Private
Jet Aircraft Ground Run-Up Enclosure	06-0048.1		12/19/2022	No	Infiltration Practices	0		Private
Norfolk Airport Garage	09-0020.1		12/19/2022	No	Wet Pond	0		Private
Oakleaf Forest	09-0024.14	MEHAINE - 2022-12-19 10:49:21 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Plants and soil components must be removed and replaced to restore stormwater treatment function.;	12/19/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.15	MEHAINE - 2022-12-19 10:23:48 -- Filterra device is nonfunctional. Sediment accumulation is at maximum level. Device must be redone to restore stormwater functions. ;	12/19/2022	No	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.16	MEHAINE - 2022-12-19 10:33:37 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Plant and soil components must be removed and replaced to restore stormwater treatment capacity.;	12/19/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.17	MEHAINE - 2022-12-19 10:51:45 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/19/2022	No	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.18	MEHAINE - 2022-12-19 11:00:03 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/19/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.24	MEHAINE - 2022-12-19 10:14:42 -- Filterra device is nonfunctional. Sediment accumulation is at maximum level. Device must be redone to restore stormwater functions.;	12/19/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.3	MEHAINE - 2022-12-19 11:37:44 -- Filterra device has reduced treatment capacity due to sediment accumulation. Future renovation should be scheduled.;	12/19/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.4	MEHAINE - 2022-12-19 11:25:28 -- Filterra device has reduced treatment capacity due to sediment accumulation. Future renovation should be scheduled.;	12/19/2022	Yes	Manufactured Treatment Device	0		Public

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Terminal and Councourse Improvements	12-0031.1		12/19/2022	No	Wet Pond	0		Private
Landmark Avaiation	T498.1		12/19/2022	No	Extended Detention Basin	0		Private
Airport Long Term Parking	T746.1		12/19/2022	No	Grass Channel	0		Private
Oakleaf Forest	09-0024.1	MEHAINE - 2022-12-20 11:27:44 -- Filterra is in good condition and does not appear to be at capacity. Suggest planning for renovation within 2 years.;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.10	MEHAINE - 2022-12-20 14:02:48 -- Filterra device has reduced capacity due to sediment accumulation. Future renovation should be scheduled.;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.11	MEHAINE - 2022-12-20 12:39:47 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.12	MEHAINE - 2022-12-20 11:50:34 -- Filterra device has reduced treatment capacity due to sediment accumulation. Future renovation should be scheduled.;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.13	MEHAINE - 2022-12-20 11:40:50 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	No	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.19	MEHAINE - 2022-12-20 14:48:28 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.2	MEHAINE - 2022-12-20 11:34:01 -- Filterra device does not appear to be at maximum capacity and is still functional. Suggest planning for renovation within 2 years. ;	12/20/2022	No	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.20	MEHAINE - 2022-12-20 14:41:24 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.21	MEHAINE - 2022-12-20 14:52:28 -- Filterra device has reduced capacity due to sediment accumulation. Future renovation should be scheduled. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.22	MEHAINE - 2022-12-20 15:00:00 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.23	MEHAINE - 2022-12-20 15:03:39 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public

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Oakleaf Forest	09-0024.5	MEHAINE - 2022-12-20 14:24:26 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.6	MEHAINE - 2022-12-20 14:20:12 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.7	MEHAINE - 2022-12-20 14:29:24 -- Filterra device is no longer functional due to excessive sediment accumulation inside the device. Filtering components must be removed and replaced according to manufacturer protocol to restore stormwater treatment capacity. ;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.8	MEHAINE - 2022-12-20 14:35:06 -- Filterra device has reduced capacity due to sediment accumulation. Future renovation should be scheduled.;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Oakleaf Forest	09-0024.9	MEHAINE - 2022-12-20 14:14:04 -- Filterra device has reduced treatment capacity due to sediment accumulation. Future renovation should be scheduled.;	12/20/2022	Yes	Manufactured Treatment Device	0		Public
Norfolk Botanical Garden- NATO Tower Renovations	17-0053.1	MEHAINE - 2022-12-27 14:34:59 -- System is in good order. There is no evidence of containment compromise or sediment overload. Infiltration surfaces are kept clean.;	12/20/2022	No	Permeable Pavement	0		Public
Norfolk Botanical Gardens Admin Bldg Parking	17-0095.1	MEHAINE - 2022-12-28 10:27:07 -- Pavement and outfall are clean.;	12/20/2022	No	Permeable Pavement 1	0		Public
Norfolk Botanical Gardens Admin Bldg Parking	17-0095.2	MEHAINE - 2022-12-28 10:33:05 -- Roadway and contributing sheet flow areas are clean; vegetative detritus is not excessive;	12/20/2022	No	Sheetflow to Conserved Open Space	0		Public
Norfolk Botanical Gardens - Visitors Reception	T103.1	MEHAINE - 2022-12-28 10:22:02 -- This pond will be removed/reworked this year.;	12/20/2022	No	Wet Pond	0		Public
Sarah Lee Baker Perennial Garden	T288.1	MEHAINE - 2022-12-28 10:14:21 -- Site was in excellent condition- still no idea where the tank is. ;	12/20/2022	No	Infiltration Practices	0		Private
Norfolk Botantical Gardens Production House	T466.1	MEHAINE - 2022-12-27 14:28:42 -- Swales are maintained, no evidence of erosion or sediment accumulation. ;	12/20/2022	No	Grass Channel	0		Public
Gypsum Plant Expansion	05-0075.1	MEHAINE - 2022-12-27 12:40:26 -- Basin is in overall good condition. Vegetation and sediment accumulations need to be removed from inlet and outfall pipe ends;	12/21/2022	Yes	Extended Detention Basin	1	02-07-2023	Private
Saint Pauls COGIC	02-0007.1	MEHAINE - 2022-12-22 15:10:10 -- Channel drain needs to be repaired and cleaned out.;	12/22/2022	Yes	Infiltration Practices	1	04-20-2023	Private
Saint Pauls COGIC	02-0007.2	MEHAINE - 2022-12-22 15:17:37 -- Channel drain needs to be cleaned out;	12/22/2022	Yes	Infiltration Practices	1	04-20-2023	Private

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Saint Pauls COGIC	02-0007.3	MEHAINE - 2022-12-22 15:21:40 -- Channel drain needs to be cleaned out;	12/22/2022	Yes	Infiltration Practices	1	04-20-2023	Private
Campostella Heights Seventh Day Adventist Church	05-0110.1	MEHAINE - 2022-12-22 14:23:05 -- site is stable, observation port is no longer evident.;	12/22/2022	No	Infiltration Practices	0		Private
New Hope United Church of Christ	06-0096.1	MEHAINE - 2022-12-22 13:59:42 -- Basin is clean, no sediment deposits from downspouts, vegetation has been maintained and provides complete stabilization. There is no litter on site. There is no sediment accumulation in the outfall.;	12/22/2022	No	Detention Basin	0		Private
Metropolitan Funeral Service	06-0134.1	MEHAINE - 2022-12-22 14:13:05 -- Pavement is old- does not show evidence of puddling. Some sediment is present but is consistent with being between maintenance visits. Outfall basin has some leaves but is clean.;	12/22/2022	No	Permeable Pavement	0		Private
St. Paul's Church Parking Lot Expansion	07-0038.1	MEHAINE - 2022-12-22 14:49:22 -- Curb cuts to sheet flow to bioretention system requires maintenance. Outfall is clogged with leaves and sediment. Please notify inspector when maintenance is complete.;	12/22/2022	Yes	Bioretention	1	04-20-2023	Private
Clairmont Apartments	15-0006.1	MEHAINE - 2022-12-27 09:50:25 -- Retention basin is in overall good condition; however, at the #3 outfall, the tree needs to be removed and the pipe end needs to be parged. There is also general floating litter and debris that needs to be removed.;	12/22/2022	Yes	Wet Pond 1	1	04-14-2023	Private
Coastal Services	17-0056.1	MEHAINE - 2022-12-27 12:21:28 -- The conservation area is in generally fair condition. Had discussion with Clayton regarding new plantings when new BMP on another section of the property is complete. Boat motor needs to be removed from gravel diaphragm. Litter needs to be picked up around the site.;	12/22/2022	Yes	Rooftop or Impervious Surface Discor	1	01-26-2023	Private
Metro Machine - Lot D Parking	14-0060.1	MEHAINE - 2022-12-27 08:03:50 -- Detention basin is in overall good condition, however, there are necessary repairs. There is an inlet flume that is eroded and has a sediment accumulation at the end in the basin, and a seasonal leaf removal is in order.;	12/27/2022	Yes	Detention Basin	1	04-14-2023	Private
Bay Disposal	02-0012.1	MEHAINE - 2022-12-29 07:31:31 -- Extended detention basin requires maintenance. Vegetation is significantly overgrown, needs to be cut back and the debris removed from the basin. Sediment accumulations from sheetflow along the edge of the parking lot need to be removed. Excellent work with inlet protection in the main yard. ;	12/28/2022	Yes	Extended Detention Basin	1	04-20-2023	Private
Metro Machine Parking Addition Phase II	10-0025.1	MEHAINE - 2022-12-28 12:05:28 -- Filterra unit was recently serviced, was clean and no litter was present. Contributing curb and gutter and asphalt surfaces were clean.;	12/28/2022	No	Manufactured Treatment Device	0		Private
Bay Disposal Material Recovery Facility	14-0001.1	MEHAINE - 2022-12-29 07:54:28 -- Outfall structure requires repair to comply with approved site plan specifications. Accumulated sediment from sheetflow to structure must be removed and vegetation established. Litter presence is extreme but expected. Excellent work with parking lot inlet protection. ;	12/28/2022	Yes	Detention Basin	0		Private
Lake Wright Executive Center	98-3611.2	MEHAINE - 2022-12-29 08:12:07 -- Wet pond requires work. There is an excessive litter and trash presence. There is an excessive vegetative debris presence. Inlet pipes are holding water up into the system indicating a lower storage capacity. Pond depth needs to be confirmed as in accordance with site plan specifications. Outfall structure is compromised and is missing the trash rack. Correction of deficiencies pending location of site plan. I have reached out to Planning for assistance. ; MEHAINE - 2023-03-28 08:03:39 -- After receipt of plan sheets from engineering firm, there is no detail to correct overflow. The pond does appear to be at or very near its functioning depth and bottom configuration. There is no erosion of the banks and the litter is removed routinely with adjacent building maintenance;	12/28/2022	Yes	Wet Pond	0		Private
AAA Parking Lot Expansion	05-0157.1	MEHAINE - 2023-01-03 14:14:16 -- Filterra has been maintained;	01/03/2023	No	Manufactured Treatment Device	0		Private
Leigh Medical Office Building	07-0061.1	MEHAINE - 2023-01-03 14:40:45 -- Sediment accumulation at curb cuts is impeding the flow of runoff water into the swale. Sediment and vegetative debris accumulations in the swale itself need to be removed.;	01/03/2023	Yes	Dry Swale	0		Private

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Leigh Medical Office Building	07-0061.2	MEHAINE - 2023-01-03 14:55:06 -- Leaves. litter and other flowable debris need to be removed from the Filterra chamber- required maintenance needs to be performed.;	01/03/2023	Yes	Manufactured Treatment Device	0		Private
Leigh Medical Office Building	07-0061.3	MEHAINE - 2023-01-03 15:02:12 -- Leaves. litter and other flowable debris need to be removed from the Filterra chamber and surrounding contributing system. Required maintenance needs to be performed. There is a water line leak that is causing undue runoff into the device.;	01/03/2023	Yes	Manufactured Treatment Device	1	03-28-2023	Private
Leigh Medical Office Building	07-0061.4	MEHAINE - 2023-01-03 15:08:28 -- Leaves. litter and other flowable debris need to be removed from the Filterra chamber and contributing drainage system. Required maintenance needs to be performed.;	01/03/2023	Yes	Manufactured Treatment Device	1	03-28-2023	Private
USAA Parking Garage	13-0017.1	MEHAINE - 2023-01-03 13:34:15 -- Leaves. litter and other flowable debris needs to be removed from the Filterra chamber- required maintenance needs to be perfomed.;	01/03/2023	Yes	Manufactured Treatment Device	1	03-21-2023	Private
USAA Parking Garage	13-0017.2	MEHAINE - 2023-01-03 13:42:02 -- Leaves. litter and other flowable debris need to be removed from the Filterra chamber- required maintenance needs to be performed.;	01/03/2023	Yes	Manufactured Treatment Device	1	03-21-2023	Private
USAA Parking Garage	13-0017.3	MEHAINE - 2023-01-03 13:46:55 -- Leaves. litter and other flowable debris need to be removed from the Filterra chamber- required maintenance needs to be performed.;	01/03/2023	Yes	Manufactured Treatment Device	1	03-21-2023	Private
USAA Parking Garage	13-0017.4	MEHAINE - 2023-01-03 13:51:35 -- Leaves. litter and other flowable debris need to be removed from the Filterra chamber- required maintenance needs to be performed.;	01/03/2023	Yes	Manufactured Treatment Device	1	03-21-2023	Private
USAA Parking Garage	13-0017.5	MEHAINE - 2023-01-03 14:01:15 -- Leaves. litter and other flowable debris need to be removed from the Filterra chamber- required maintenance needs to be performed.;	01/03/2023	Yes	Manufactured Treatment Device	1	03-21-2023	Private
AAAA Self Storage	04-0023.1	MEHAINE - 2023-01-04 13:53:27 -- Filterra device requires significant maintenance. The plants have outgrown the structure, there is a significant litter presence, and the device has not been maintained. ;	01/04/2023	Yes	Manufactured Treatment Device	1	04-14-2023	Private
AAAA Self Storage	04-0023.2	MEHAINE - 2023-01-04 14:07:19 -- Filterra unit is in overall good condition, but has not had maintenance is full of litter and leaf debris.;	01/04/2023	Yes	Manufactured Treatment Device	1	04-14-2023	Private
AAAA Self Storage	04-0023.3	MEHAINE - 2023-01-04 14:26:47 -- Filterra device requires significant maintenance. The plants have outgrown the structure, there is a significant litter presence, and the device has not been maintained. ;	01/04/2023	Yes	Manufactured Treatment Device	1	04-14-2023	Private
AAAA Self Storage	04-0023.4	MEHAINE - 2023-01-04 14:32:00 -- Filterra device requires significant maintenance. The plants have outgrown the structure, there is a significant litter presence, and the device has not been maintained. ;	01/04/2023	Yes	Manufactured Treatment Device	1	04-14-2023	Private
AAAA Self Storage	04-0023.5	MEHAINE - 2023-01-04 14:35:46 -- Filterra device requires maintenance. There is a significant litter presence, and the device has not been maintained. ;	01/04/2023	Yes	Manufactured Treatment Device	1	04-14-2023	Private
AAAA Self Storage	04-0023.6	MEHAINE - 2023-01-04 14:43:50 -- Filterra device requires significant maintenance. There is a significant litter presence, and the device has not been maintained. ;	01/04/2023	Yes	Manufactured Treatment Device	1	04-14-2023	Private

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Bauer Compressors Expansion	12-0085.1	MEHAINE - 2023-01-04 14:56:46 -- Filterra is in good condition. Annual maintenance is scheduled in January.;	01/04/2023	No	Manufactured Treatment Device	0		Private
Bauer Compressors Expansion	12-0085.2	MEHAINE - 2023-01-04 15:01:57 -- Hydrodynamic separator was in good condition with no obvious sediment accumulation and minimal floatables. Very little sheen in the water. Grates were clean, pavement area treated was clean.;	01/04/2023	No	Manufactured Treatment Device	0		Private
Bauer Compressors Expansion	12-0085.3	MEHAINE - 2023-01-04 15:07:14 -- Seepage from storage zone was clear. No litter was present in the outfall or observation port. Asphalt area treated was clean.;	01/04/2023	No	Manufactured Treatment Device	0		Private
Land "N" Sea	04-0095.1	MEHAINE - 2023-01-05 07:21:49 -- There is trash and litter collected in the basin. Inlet pipes need to be cleared. ;	01/05/2023	Yes	Detention Basin	0		Private
Land "N" Sea	04-0095.2	MEHAINE - 2023-01-05 07:30:12 -- Filterra needs maintenance/renovation according to manufacturer specifications. Device is no longer functional indicated by sediment discharge into outfall.;	01/05/2023	Yes	Manufactured Treatment Device	0		Private
Land "N" Sea	04-0095.3	MEHAINE - 2023-01-05 07:40:50 -- Filterra requires maintenance/renovation according to manufacturer specifications. Device is no longer functional.;	01/05/2023	Yes	Manufactured Treatment Device	0		Private
Land "N" Sea	04-0095.4	MEHAINE - 2023-01-05 07:45:21 -- Filterra device requires maintenance/renovation according to manufacturer's specifications. Device is no longer functional.;	01/05/2023	Yes	Manufactured Treatment Device	0		Private
Land "N" Sea	04-0095.5	MEHAINE - 2023-01-05 07:49:51 -- Filterra device requires significant maintenance/renovation according to manufacturer's specifications. Device is no longer functional.;	01/05/2023	Yes	Manufactured Treatment Device	0		Private
Land "N" Sea	04-0095.6	MEHAINE - 2023-01-05 07:54:24 -- Channel vegetation needs to be maintained. Litter and leaves need to be removed. Outfall is partially obstructed ;	01/05/2023	Yes	Grass Channel	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.1	MEHAINE - 2023-01-05 15:07:47 -- Bioretention is in excellent condition. Downspout extensions have reduced erosion. Contractor will restore area upon completion of deck.;	01/05/2023	No	Bioretention- Micro 1	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.2	MEHAINE - 2023-01-05 15:12:42 -- 3751 Brennan Ave Bioretention is well kept and in excellent condition;	01/05/2023	No	Bioretention- Micro 1	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.3	MEHAINE - 2023-01-05 15:19:15 -- 3755 Brennan Dr Bioretention is in good condition and is well maintained;	01/05/2023	No	Bioretention- Micro 1	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.4	MEHAINE - 2023-01-05 15:24:46 -- 818 Hagan Ave Bioretention is in excellent condition- project is underway, will recheck;	01/05/2023	No	Bioretention- Micro 1	0		Private
Royal Farms	16-0115.1	MEHAINE - 2023-01-06 09:26:14 -- Overall condition of detention pond is good, but there is an excessive amount of litter in the basin area. The inlet pipe and curb cuts show sediment accumulations that need to be removed. Clear litter and sediment from outfall structure.;	01/05/2023	Yes	Detention Basin	0		Private

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Royal Farms	16-0115.2	MEHAINE - 2023-01-06 09:36:07 -- Overall condition of detention pond is good, but there is an excessive amount of litter in the basin area. The inlet pipe and curb cuts show sediment accumulations that need to be removed. Clear litter and sediment from outfall structure.;	01/05/2023	Yes	Detention Basin	0		Private
Royal Farms	16-0115.3	MEHAINE - 2023-01-06 09:45:51 -- Overall condition of detention pond is good, but there is an excessive amount of litter in the basin area. The inlet pipe and curb cuts show sediment accumulations that need to be removed. Clear litter and sediment from outfall structure.;	01/05/2023	Yes	Detention Basin	0		Private
Royal Farms	16-0115.5	MEHAINE - 2023-01-06 09:50:33 -- Device has not been serviced in the memory of the manager on site. Routine service is required per manufacturers specifications.;	01/05/2023	Yes	Manufactured Treatment Device	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.1	MEHAINE - 2023-01-05 14:39:02 -- Permeable asphalt is very clean and in excellent condition; MEHAINE - 2023-01-05 14:46:13 -- Permeable asphalt is very clean and in excellent condition;	01/05/2023	No	Permeable Pavement 1	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.2	MEHAINE - 2023-01-05 14:46:49 -- Permeable asphalt is very clean and in excellent condition;	01/05/2023	No	Permeable Pavement 1	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.3	MEHAINE - 2023-01-05 14:50:34 -- Permeable asphalt is very clean and in excellent condition;	01/05/2023	No	Permeable Pavement 1	0		Private
VIRGINIA EYE CONSULTANTS	20-0075.4	MEHAINE - 2023-01-05 14:53:10 -- Basin outfalls and inlets are in good condition with no evidence of sediment accumulation. Banks are not eroded or collapsed, vegetation is routinely maintained. There is some casual litter present but area shows evidence of routine maintenance.;	01/05/2023	No	Other Retrofit- Runoff Reduction	0		Private
814 Brennan Ave-5 lot subdivision	16-0091.5	MEHAINE - 2023-01-06 08:47:31 -- 814 Hagan Ave Bioretention is in excellent condition. Left Scoop The Poop info and swag for resident.;	01/06/2023	No	Bioretention- Micro 1	0		Private
1400 Sewells Point Rd- Site Improvement	20-0037.1	MEHAINE - 2023-01-09 08:52:37 -- Hydrodynamic separator is clean and has been serviced. ;	01/06/2023	No	Manufactured Treatment Device	1	04-17-2023	Private
1400 Sewells Point Rd- Site Improvement	20-0037.2	MEHAINE - 2023-01-09 09:13:47 -- Back hydrodynamic separator has not been serviced. Device needs to be cleaned, separated floatables and sediment need to be removed.;	01/06/2023	Yes	Manufactured Treatment Device	1	04-17-2023	Private
1400 Sewells Point Rd- Site Improvement	20-0037.3	MEHAINE - 2023-01-18 08:30:57 -- Back underground storage has not been serviced. Access lid is loose in asphalt. There is excessive accumulation of sediment and vegetative debris in system. Outfall is not accessible. Parking lot has not been swept.;	01/06/2023	Yes	Manufactured Treatment Device	1	04-17-2023	Private
1400 Sewells Point Rd- Site Improvement	20-0037.4	MEHAINE - 2023-01-18 09:22:09 -- Front underground storage field has been maintained. The outfall area needs to be cleaned. Leaves and other parking lot detritus should not be blown into the outfall ditch.;	01/06/2023	Yes	Manufactured Treatment Device	1	04-17-2023	Private
HRT Park and Ride	01-0197.1	MEHAINE - 2023-01-12 07:58:42 -- Detention basin is in fairly good condition. Seasonal maintenance has been done.;	01/09/2023	No	Wet Pond	0		Private
HRT Park and Ride	01-0197.2	MEHAINE - 2023-01-12 08:07:18 -- Underground storage needs to be serviced. There are two places with severe erosion contributing excessive sediment to the system. Parking lot needs to be routinely swept to reduce sediment and debris incursion into the system. Sludge/sediment/vegetative debris is clearly visible in maintenance ports.;	01/09/2023	Yes	Manufactured Treatment Device	1	05-03-2023	Private

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Land & Coates	08-0096.1	MEHAINE - 2023-01-10 07:37:57 -- Detention pond is in overall very good condition. Litter and seasonal vegetative debris need to be removed. Sediment accumulation at inlet pipe needs to be removed and all denuded areas stabilized.;	01/09/2023	Yes	Detention Basin	1	01-17-2023	Private
Woodlawn Memorial Gardens	15-0038.1	MEHAINE - 2023-01-12 13:07:53 -- Inspection port grates need to be secured and filter cloth removed. There are soil piles within the bioretention swale that are not specified and have no stabilization measures in place. Vegetation is adequate; dead plants need to be replaced.;	01/09/2023	Yes	Bioretention 1	0		Private
Woodlawn Memorial Gardens	15-0038.2	MEHAINE - 2023-01-12 12:41:47 -- Bioretention is not constructed to approved plan. Inspection ports are not present. There are large denuded areas upflow of the bioretention with no stabilization measures in place. Vegetation is adequate; dead plants need to be replaced.;	01/09/2023	Yes	Bioretention 1	0		Private
Woodlawn Memorial Gardens	15-0038.3	MEHAINE - 2023-01-12 12:49:48 -- Bioretention is not constructed to approved plan. Inspection ports are not present. There are large denuded areas upflow of the bioretention with no stabilization measures in place. Vegetation is adequate; dead plants need to be replaced.;	01/09/2023	Yes	Bioretention 1	0		Private
Woodlawn Memorial Gardens	15-0038.4	MEHAINE - 2023-01-12 13:01:25 -- Inspection port grates need to be secured and filter cloth removed. There are soil piles within the bioretention swale that are not specified and have no stabilization measures in place. Vegetation is adequate; dead plants need to be replaced.;	01/09/2023	Yes	Bioretention 1	0		Private
Woodlawn Memorial Gardens	15-0038.5	MEHAINE - 2023-01-12 12:54:23 -- Inspection port grates need to be secured and filter cloth removed. There are soil piles within the bioretention swale that are not specified and have no stabilization measures in place. Vegetation is adequate; dead plants need to be replaced.;	01/09/2023	Yes	Bioretention 1	0		Private
Salvation Army Parking Lot	17-0080.1	MEHAINE - 2023-01-11 07:45:31 -- Retention pond is in overall good condition. There is excessive casual litter presence and sediment/leaf accumulation that need to be removed so the device can function correctly.; MEHAINE - 2023-01-11 07:50:35 -- Trash rack/screen needs to be emptied and attached to overflow;	01/09/2023	Yes	Wet Pond 1	1	02-14-2023	Private
Woodlawn Mausoleum	21-0030.2	MEHAINE - 2023-02-13 08:23:32 -- Swale has been maintained, no erosion or ponding evidence seen. ;	01/09/2023	No	Dry Swale 1	0		Private
VAMAC	18-0039.1	MEHAINE - 2023-01-10 07:55:21 -- Swale is in excellent condition- reminded owner to keep area clear.;	01/10/2023	No	Dry Swale 2	0		Private
Walmart @ Military Hwy	02-0174.1	MEHAINE - 2023-01-19 08:44:10 -- Hydrodynamic separator needs to maintained. There is excessive sediment accumulation in the device.;	01/17/2023	Yes	Manufactured Treatment Device	0		Private
Walmart @ Military Hwy	02-0174.2	MEHAINE - 2023-01-19 08:51:02 -- Hydrodynamic separator needs to maintained. There is excessive sediment accumulation in the device.;	01/17/2023	Yes	Manufactured Treatment Device	0		Private
Building Addition at Circle South	07-0127.1	MEHAINE - 2023-01-19 08:04:36 -- Filterra needs maintenance. Vegetative debris accumulation is excessive in the contributing drainage area as well as the actual device.;	01/17/2023	Yes	Manufactured Treatment Device	1	03-21-2023	Private
Building Addition at Circle South	07-0127.2	MEHAINE - 2023-01-19 08:13:43 -- Filterra needs maintenance. Vegetative debris accumulation is excessive in the contributing drainage area as well as the actual device.;	01/17/2023	Yes	Manufactured Treatment Device	1	03-21-2023	Private
Virginia Wesleyan College - Physical Plant	92067.053.1	MEHAINE - 2023-01-18 13:40:12 -- BMP is old but still functional. This inspection was within 12 hours of a significant rainfall and there was no evidence of device failure or need for additional maintenance.;	01/17/2023	No	Extended Detention Basin	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Virginia Wesleyan College - Physical Plant	92067.053.2	MEHAINE - 2023-01-18 13:42:59 -- BMP is old but still functional. This inspection was within 12 hours of a significant rainfall and there was no evidence of device failure or need for additional maintenance.;	01/17/2023	No	Extended Detention Basin	0		Private
Building Addition at Circle South	07-0127.3	MEHAINE - 2023-01-19 08:17:50 -- Vegetative debris accumulation is excessive in the contributing drainage area and needs to be maintained.;	01/18/2023	Yes	Manufactured Treatment Device	1	03-21-2023	Private
E Princess Anne Road-Tidewater Tech parking	18-0104.1	MEHAINE - 2023-01-18 15:17:36 -- Filterra was clean and in good condition;	01/18/2023	No	Manufactured Treatment Device	0		Private
E Princess Anne Road-Tidewater Tech parking	18-0104.2	MEHAINE - 2023-01-18 15:21:37 -- Underground storage appears maintained, no sediment or debris is visible through access ports;	01/18/2023	No	Manufactured Treatment Device	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.1	MEHAINE - 2023-01-18 14:01:08 -- Initial post-construction inspection. Site is new;	01/18/2023	No	Bioretention- Micro 1	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.10	MEHAINE - 2023-01-18 14:40:06 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 1	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.11	MEHAINE - 2023-01-18 14:43:43 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 2	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.12	MEHAINE - 2023-01-18 14:47:48 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 1	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.13	MEHAINE - 2023-01-18 14:50:05 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 2	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.14	MEHAINE - 2023-01-18 14:52:17 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 2	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.2	MEHAINE - 2023-01-18 14:04:02 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 1	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.3	MEHAINE - 2023-01-18 14:07:22 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 2	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.4	MEHAINE - 2023-01-18 14:13:20 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 1	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.5	MEHAINE - 2023-01-18 14:15:44 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 2	0		Private

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Subdivsion development plan 828 & 840 Redgate Ave	19-0026.6	MEHAINE - 2023-01-18 14:18:29 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 1	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.7	MEHAINE - 2023-01-18 14:21:17 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 2	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.8	MEHAINE - 2023-01-18 14:30:19 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 1	0		Private
Subdivsion development plan 828 & 840 Redgate Ave	19-0026.9	MEHAINE - 2023-01-18 14:35:21 -- Initial post-construction inspection- site is new;	01/18/2023	No	Bioretention- Micro 2	0		Private
Checkered Flag Honda Expansion	17-0039.1	MEHAINE - 2023-01-19 07:06:47 -- Chamber at the car wash was in use at the time of inspection. Operation was observed. Device has been serviced.;	01/19/2023	No	Manufactured Treatment Device	0		Private
Checkered Flag Honda Expansion	17-0039.2	MEHAINE - 2023-01-19 07:12:46 -- Underground storage field is in good condition. There is some casual litter in the lot but not excessive or unmanaged. Water in observation ports is clean.;	01/19/2023	No	Manufactured Treatment Device	0		Private
St. Mary's Home for Disabled Children	01-0203.1	MEHAINE - 2023-01-20 14:04:24 -- Pond was in good condition. Vegetation has been periodically maintained; pond has no litter. No sediment accumulation in outfalls;	01/20/2023	No	Wet Pond	0		Private
Sentara Medical Group	02-0048.1	MEHAINE - 2023-01-20 13:46:12 -- Pond is functional but requires maintenance. There is a significant litter presence which needs to be removed. Bank is being undercut around the perimeter of the pond at the water level which needs to be corrected.;	01/20/2023	Yes	Detention Basin	1	03-21-2023	Private
Warehouses	05-0180.1	MEHAINE - 2023-01-20 15:11:58 -- BMP requires significant maintenance. Vehicles must be removed from extended detention basin area. Waste concrete pile must be removed from pond. Railroad ties must be removed from basin. Accumulated sediment must be removed from basin. Reestablish drainage patterns to BMP from contributing drainage area.;	01/20/2023	Yes	Extended Detention Basin	1	02-28-2023	Private
Grand Furniture	10-0052.1	MEHAINE - 2023-01-20 14:46:12 -- Vegetation around the perimeter of the wet pond BMP needs to be maintained. There is a significant litter presence that needs to be removed.;	01/20/2023	Yes	Wet Pond	1	02-13-2023	Private
Leigh Hall Assisted Living Building	13-0064.1	MEHAINE - 2023-01-20 14:17:37 -- Hydrodynamic separator has not been serviced and requires maintenance. Please send maintenance record when complete.;	01/20/2023	Yes	Manufactured Treatment Device	0		Private
Gospel Church of Deliverance	91067.003.1	MEHAINE - 2023-01-23 07:42:32 -- Could not fully access site. Parking lot is clean, pond appears to be maintained.;	01/20/2023	No	Detention Basin	0		Private
Village Foods - Azalea Garden & Village Intersec	91067.022.1	MEHAINE - 2023-01-23 07:58:43 -- Pond is in fair condition. Sediment accumulation needs to be removed from outfall into pond, vegetation has not been maintained. There is sediment and debris accumulation in contributing drainage area.;	01/20/2023	Yes	Wet Pond	0		Private
Fairlawn Elementary School Parking Lot	01-0114.1	MEHAINE - 2023-01-23 13:34:04 -- Swale is in fair condition. The sidewalk span needs to be correctly installed to avoid collapse and blockage of flow. Seasonal leaf removal has not occurred in either the swale area or in the contributing drainage area and needs to be done. ;	01/23/2023	Yes	Grass Channel	0		School

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Fuel Express at Farm Fresh	02-0001.1	MEHAINE - 2023-01-23 13:52:24 -- BMP is in excellent condition and functional.;	01/23/2023	No	Bioretention	0		Private
ABC Supply Company	02-0103.1	MEHAINE - 2023-01-23 14:10:29 -- Pond is in good condition, maintained and functional.;	01/23/2023	No	Detention Basin	0		Private
Towing Operations Center	13-0061.1	MEHAINE - 2023-01-23 13:57:28 -- BMP is in good condition and has been mowed sometime in the fall.;	01/23/2023	No	Bioretention	0		Public
Fairlawn Recreation Center Addition	T414.1	MEHAINE - 2023-01-23 13:40:50 -- BMP is in fair condition. Seasonal leaf cleanup has not occurred and needs to. Accumulated sediment and debris along the edge of the basketball court needs to be removed to allow for free sheet flow into the device. There is excessive vegetation and vegetative debris in the outfall ditch that needs to be addressed.;	01/23/2023	Yes	Detention Basin	1	02-13-2023	Public
Subaru Showroom & Service Center	03-149.1	MEHAINE - 2023-01-27 08:26:15 -- Please provide maintenance records for device. Fully cover or remove exposed barrel of detergent from contributing drainage area and properly store. Contributing drainage area should be kept swept and litter or leaf-free to reduce maintenance burden on stormwater device.;	01/26/2023	Yes	Manufactured Treatment Device	1	03-07-2023	Private
Nash Warehouse	05-0165.1	MEHAINE - 2023-01-27 10:04:41 -- Provide records of completed annual maintenance to system. Remove sediment/contaminant measure from system. ;	01/26/2023	Yes	Manufactured Treatment Device	0		Private
Nash Warehouse	05-0165.2	MEHAINE - 2023-01-27 10:12:15 -- Provide records of completed annual maintenance to system. ;	01/26/2023	Yes	Manufactured Treatment Device	0		Private
Nash Warehouse	05-0165.3	MEHAINE - 2023-01-27 10:24:01 -- Contributing drainage area swale needs to be repaired. Gravel has no fabric base, there is excessive sediment collected in secondary gravel flume. Remove sediment accumulation at outlet pipe end and remove blocks from overflow. Remove tank overflow from BMP; repair erosion and denuded area at gravel pad. Repair erosion at curb cuts; remove sediment accumulations from rock flumes. Redirect sheet flow from roof drains to lawn area for infiltration. Untreated stormwater runoff cannot be directed off property. ;	01/26/2023	Yes	Detention Basin	0		Private
City Line Self Storage	07-0052.1	MEHAINE - 2023-01-27 09:15:56 -- Basin is in generally fair condition. Sediment accumulations need to be removed from pipe outlets. Erosion needs to be repaired at curb cut and flume.;	01/26/2023	Yes	Extended Detention Basin	0		Private
Harris Teeter Fuel	20-0077.1	MEHAINE - 2023-01-27 15:08:45 -- Initial post-construction inspection;	01/27/2023	No	Manufactured Treatment Device	0		Private
3011 E. Oceanview Ave	B22-00732	ADOAN - 2023-01-30 09:01:22 -- 2023-01-27: BMP just sodded for final construction inspection. BMP excellent. ;	01/27/2023	No	Infiltration Practices	0		Private
3021 E. Oceanview Ave	B22-01112.1	ADOAN - 2023-01-30 09:05:13 -- 2023-01-27: BMP just sodded for final construction inspection. BMP excellent.;	01/27/2023	No	Infiltration Practices	0		Private
Woodfin Oil	00-4244.1	MEHAINE - 2023-01-31 07:55:19 -- Unit requires annual maintenance- please provide your records that indicate the unit has been maintained.;	01/30/2023	Yes	Manufactured Treatment Device	0		Private
Titustown Recreation Center	00-4462.1	MEHAINE - 2023-01-31 08:25:46 -- Basin has been maintained;	01/30/2023	No	Extended Detention Basin	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
LAKE TAYLOR	17-0004.1	MEHAINE - 2023-02-01 07:05:49 -- Structural failures are documented, repairs are in process of sourcing funds;	01/31/2023	No	Wet Pond 2	0		Public
Lydia Roper House	21-0048.1	MEHAINE - 2023-02-01 13:19:53 -- Pavement is clean- lot has not been opened for use as of 2-1-2023;	02/01/2023	No	Permeable Pavement 2	0		Private
Dollar Tree Hangar	21-0063.1	MEHAINE - 2023-02-02 07:20:21 -- Initial post-construction inspection;	02/01/2023	No	Manufactured Treatment Device	0		Private
Lake Taylor Hospital additions	09-0033.1	MEHAINE - 2023-02-08 07:33:08 -- Pond is in generally good condition. Site visit occurred after a significant rain event, device appeared to be functioning as designed.;	02/06/2023	No	Wet Pond	0		Private
Lake Taylor Hospital additions	09-0033.2	MEHAINE - 2023-02-08 07:40:26 -- Pond is in good condition and appears to be functioning as designed;	02/06/2023	No	Detention Basin	0		Private
Lowery Road Pedestrian Improvements	15-0028.1	MEHAINE - 2023-02-07 13:48:29 -- Filterra unit has not been maintained. Tree needs to be replaced, unit needs to be serviced. ;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Lowery Road Pedestrian Improvements	15-0028.2	MEHAINE - 2023-02-07 14:02:27 -- Filterra is in good condition, leaf load is as to be expected for the season.;	02/06/2023	No	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.1	MEHAINE - 2023-02-08 09:55:18 -- Filterra unit is not functional- debris and sediment removal required. Remove tree debris and replace.;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.10	MEHAINE - 2023-02-08 09:23:16 -- Filterra needs annual maintenance;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.2	MEHAINE - 2023-02-08 09:18:04 -- Filterra needs annual maintenance;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.3	MEHAINE - 2023-02-08 09:50:00 -- Filterra unit is not functional- debris and sediment removal required.;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.4	MEHAINE - 2023-02-08 09:59:01 -- Filterra unit is not functional- debris and sediment removal required.;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.5	MEHAINE - 2023-02-08 10:03:06 -- Filterra unit is not functional- debris and sediment removal required.;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.6	MEHAINE - 2023-02-08 09:44:58 -- Filterra unit needs annual maintenance. Remove dead tree and debris and replace.;	02/06/2023	Yes	Manufactured Treatment Device	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Premium Outlets Boulevard	15-0043.7	MEHAINE - 2023-02-08 09:38:50 -- Filterra unit needs annual maintenance. Remove dead tree and debris and replace.;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.8	MEHAINE - 2023-02-08 09:33:39 -- Filterra unit needs annual maintenance. Remove and dispose of inlet protection measures from completed construction.;	02/06/2023	No	Manufactured Treatment Device	0		Public
Premium Outlets Boulevard	15-0043.9	MEHAINE - 2023-02-08 09:28:25 -- Filterra needs annual maintenance;	02/06/2023	Yes	Manufactured Treatment Device	0		Public
Lake Taylor Hospital Parking Lot Addition	11-0007.1	MEHAINE - 2023-02-10 08:35:56 -- BMP was in fairly good condition and relatively clean. ;	02/08/2023	No	Extended Detention Basin	0		Private
Silver Lake-Duck Pond	S14.1	MEHAINE - 2023-02-10 08:46:50 -- Curb flumes need to cleaned and sediment accumulation removed from the ends at the water. Litter needs to be removed from edge of pond;	02/08/2023	Yes	Wet Pond	0		Public
Meadow Lake	S15.1	MEHAINE - 2023-02-10 09:54:00 -- Remove leaves and accumulated sediment from curb flume and adjacent drainage area., clean leaves out of curb drop inlet and pipe, and remove leaves and debris from outfall structure.;	02/08/2023	No	Wet Pond	0		Public
Lake Scott	S8.1	MEHAINE - 2023-02-10 10:19:03 -- Pond is in very good condition. Outfall and outlets are clean. Some sediment removal at the outfall may be necessary in a few years but is not desperate at the time of this inspection.;	02/09/2023	No	Wet Pond	0		Public
Fairlawn Elementary School Parking Lot	01-0114.1	MEHAINE - 2023-02-13 13:56:21 -- work hAS BEEN COMPLETED;	02/10/2023	No	Grass Channel	0		School
Norview Community Center	06-0116.1	MEHAINE - 2023-02-10 15:05:29 -- Maintenance has been completed;	02/10/2023	No	Bioretention Basins	0		Public
Norview Community Center	06-0116.2		02/10/2023	No	Infiltration Practices	0		Public
Police Training Center Track	06-0071.1	MEHAINE - 2023-02-13 15:00:36 -- Swale is maintained and all inlets flow;	02/13/2023	No	Grass Channel	0		Public
Police Training Center Track	06-0071.2	MEHAINE - 2023-02-13 15:08:28 -- Vegetation needs to be maintained. Accumulated vegetative debris needs to be removed from the pond bottom;	02/13/2023	Yes	Extended Detention Basin	0		Public
VB Blvd Improvements at Newtown Rd	18-0010.1	MEHAINE - 2023-02-13 15:17:50 -- Hydrodynamic separator is doing its job- accumulated sediment and litter need to be removed from device.;	02/13/2023	Yes	Manufactured Treatment Device	0		Public
VB Blvd Improvements at Newtown Rd	18-0010.2	MEHAINE - 2023-02-13 15:25:50 -- Hydrodynamic separator is doing its job- accumulated litter and sediment need to be removed from the device and the common outfall structure shared with 18-0010.1;	02/13/2023	Yes	Manufactured Treatment Device	0		Public

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NPD 2nd Prencinct Training Center	T276.1	MEHAINE - 2023-02-13 14:06:43 -- Basin is getting shallow and could stand to be dredged. Inlet pipe is coming apart. Overall shoreline is in above average condition with little or no erosion or sloughing. Vegetation needs annual maintenance but is not prohibitive to inspecting the pond.;	02/13/2023	No	Wet Pond	0		Public
IKEA	17-0014.1	MEHAINE - 2023-02-15 11:44:20 -- This is the back underground storage field. Inspection found minimal sediment and litter collection in the chambers and observation ports. ;	02/14/2023	Yes	Manufactured Treatment Device	0		Private
IKEA	17-0014.2	MEHAINE - 2023-02-15 11:51:56 -- This is the large underground storage that serves the customer parking area. Inspection revealed excessive sediment and litter accumulations in most of the inlets and observation ports. Device needs to be serviced. ;	02/14/2023	Yes	Manufactured Treatment Device	0		Private
Elm Court Development	T153.1	MEHAINE - 2023-02-15 09:24:49 -- Site was in good condition. Inspection was within 48 hrs of a significant rain event. Resident had complaint of vegetation from neighbor impedeing water movement. Inspection revealed no obstruction.;	02/14/2023	No	Detention Basin	0		Private
Elm Court Development	T153.2	MEHAINE - 2023-02-15 09:33:10 -- Inspection occurred within 48 hrs of a significant rain event. BMP was in pretty good condition and was maintained.;	02/14/2023	No	Infiltration Practices	0		Public
Calvary Presbyterian	03-317.1	MEHAINE - 2023-02-16 07:42:04 -- Device is old but remains functional. Site was wet but no ponding was observed.;	02/15/2023	No	Grass Channel	0		Private
Bauer Compressors - Building Expansion	05-0128.1	MEHAINE - 2023-02-15 09:49:48 -- Vegetation and sediment accumulations need to be removed from outfall area. Vegetation needs to be removed from channel to basin. Litter needs to be removed from everything.;	02/15/2023	Yes	Wet Pond	0		Private
Social Security Building	06-0016.1	MEHAINE - 2023-02-16 08:26:42 -- Pond is in overall very good condition. Grounds maintenance provider must discontinue their practice of directly depositing leaves and other site debris in the BMP. Current accumulation must be removed.;	02/15/2023	Yes	Infiltration Practices	1	04-19-2023	Private
La Quinta Hotel	06-0030.1	MEHAINE - 2023-02-16 09:16:59 -- Vegetative debris must be removed from basin. Parking lot flume was fairly clean, vegetation has been maintained and basin is in relatively good condition.;	02/15/2023	Yes	Detention Basin	1	02-27-2023	Private
Commander Corporate Center	06-0040.1	MEHAINE - 2023-02-16 08:50:45 -- Evidence of vegetation maintenance was around pond. There was minimal litter presence. Flumes and outfalls were clean.;	02/15/2023	No	Wet Pond	0		Private
Calvary Presbyterian Church	06-0091.1	MEHAINE - 2023-02-16 07:55:22 -- Device is old but remains functional. Site was wet but no ponding was observed.;	02/15/2023	No	Grass Channel	0		Private
Ingleside Elementary School Gymnasium	11-0034.1	MEHAINE - 2023-02-16 11:08:18 -- Swale is in excellent shape. It's wet in the general area but not in excess given recent rain event.;	02/15/2023	No	Detention Basin	0		School
Cook Out Restaurant	12-0003.1	MEHAINE - 2023-02-16 10:23:38 -- Filterra device requires maintenance. There is excessive sediment and debris accumulation in the device, at the inlet to the device and in the immediate contributing drainage area.;	02/15/2023	Yes	Manufactured Treatment Device	0		Private
Metro Towing Company, Inc.	14-0094.1	MEHAINE - 2023-02-16 08:11:59 -- Gravel bed has not been compromised;	02/15/2023	No	Permeable Pavement 1	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Target Store	T286.1	MEHAINE - 2023-02-28 08:31:22 -- Site has some casual litter but pond is in good condition overall.;	02/16/2023	No	Wet Pond	0		Private
Home Depot, Broad Creek Crossing	T548.1	MEHAINE - 2023-02-24 15:06:42 -- Pond is old, some sloughing is evident along water edge, outfall is vegetated but unobstructed. There is a lot of casual litter but inspection was the morning after a significant rainfall;	02/16/2023	No	Wet Pond	0		Private
Savannah Suites	04-0111.1	MEHAINE - 2023-02-21 13:51:26 -- Filterra unit is clean and appears fully functional;	02/21/2023	No	Manufactured Treatment Device	0		Private
Savannah Suites	04-0111.2	MEHAINE - 2023-02-21 13:55:06 -- Filterra unit is clean and appears fully functional;	02/21/2023	No	Manufactured Treatment Device	0		Private
Savannah Suites	04-0111.3	MEHAINE - 2023-02-21 13:58:01 -- Filterra unit is clean and appears fully functional;	02/21/2023	No	Manufactured Treatment Device	0		Private
Savannah Suites	04-0111.4	MEHAINE - 2023-02-21 14:00:10 -- Filterra unit is clean and appears fully functional;	02/21/2023	No	Manufactured Treatment Device	0		Private
Savannah Suites	04-0111.5	MEHAINE - 2023-02-21 14:03:45 -- The outlet pipe from the top of the property is conveying a disproportionate amount of unknown sediment into the basin. The source of the sediment plume must be determined and controlled and the remaining sediment in the basin must be removed. Any denuded area must be stabilized.;	02/21/2023	Yes	Detention Basin	0		Private
Savannah Suites	04-0111.6	MEHAINE - 2023-02-21 14:08:07 -- Storage device is in good condition and does not appear to be holding sediment or trash.;	02/21/2023	No	Manufactured Treatment Device	0		Private
Water's Edge	05-0113.1	MEHAINE - 2023-02-21 11:23:50 -- Site is well maintained- swales are functional, pavement is clean;	02/21/2023	No	Bioretention	0		Private
Water's Edge	05-0113.2	MEHAINE - 2023-02-21 11:26:37 -- Site is well maintained- swales are functional, pavement is clean;	02/21/2023	No	Bioretention	0		Private
Water's Edge	05-0113.3	MEHAINE - 2023-02-21 11:29:03 -- Site is well maintained- swales are functional, pavement is clean;	02/21/2023	No	Bioretention	0		Private
Cornick Place Condominiums	06-0086.1	MEHAINE - 2023-02-21 11:42:43 -- Basin is in excellent condition, site is well maintained;	02/21/2023	No	Detention Basin	0		Private
Cornick Place Condominiums	06-0086.2	MEHAINE - 2023-02-21 11:45:41 -- Basin is in excellent condition, site is well maintained;	02/21/2023	No	Detention Basin	0		Private
Cornick Place Condominiums	06-0086.3	MEHAINE - 2023-02-21 11:48:00 -- Filterra is in excellent condition, site is well maintained;	02/21/2023	No	Manufactured Treatment Device	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Cornick Place Condominiums	06-0086.4	MEHAINE - 2023-02-21 11:50:31 -- Filterra is in excellent condition, site is well maintained;	02/21/2023	No	Manufactured Treatment Device	0		Private
Cornick Place Condominiums	06-0086.5	MEHAINE - 2023-02-21 11:53:01 -- Swale is in excellent condition, site is well maintained;	02/21/2023	No	Grass Channel	0		Private
Cornick Place Condominiums	06-0086.6	MEHAINE - 2023-02-21 11:55:51 -- Swale is in excellent condition, site is well maintained;	02/21/2023	No	Grass Channel	0		Private
Jehovah's Witnesses Parking Lot Improvements	14-0057.1	MEHAINE - 2023-02-21 10:56:06 -- Site is well maintained- swales are functional, pavement is clean;	02/21/2023	No	Grass Channel	0		Private
Jehovah's Witnesses Parking Lot Improvements	14-0057.2	MEHAINE - 2023-02-21 10:59:32 -- Site is well maintained- swales are functional, pavement is clean;	02/21/2023	No	Grass Channel	0		Private
SHOREWOOD COVE- BUILDING ADDITION	20-0018.1	MEHAINE - 2023-02-21 11:35:53 -- Site is well maintained- swales are functional, pavement is clean;	02/21/2023	No	Infiltration Practices	0		Private
Saesoon Presb. Church	T119.1	MEHAINE - 2023-02-21 11:13:53 -- Site is well maintained- swales are functional;	02/21/2023	No	Detention Basin	0		Private
Saesoon Presb. Church	T119.2	MEHAINE - 2023-02-21 11:16:51 -- Site is well maintained- swales are functional;	02/21/2023	No	Detention Basin	0		Private
Single Family Condominium	07-0062.1	MEHAINE - 2023-02-24 13:52:31 -- Infiltration areas are clean and grounds are maintained. There is no evidence of ponding or runoff erosion.;	02/23/2023	No	Infiltration Practices	0		Private
Lamberts Point Townhouses	10-0051.1	MEHAINE - 2023-02-24 14:26:07 -- Site is clean, pavement is not showing sediment accumulation, ponding is not evident;	02/23/2023	No	Permeable Pavement	0		Private
Sentara Leigh Cancer Center	17-0044.1	MEHAINE - 2023-02-24 12:58:35 -- Request maintenance records indicating annual service was done.; MEHAINE - 2023-02-24 13:05:32 -- Request maintenance records indicating annual service was done.;	02/23/2023	Yes	Manufactured Treatment Device	0		Private
Sentara Leigh Cancer Center	17-0044.2	MEHAINE - 2023-02-24 13:06:03 -- Request maintenance records indicating annual service was done.;	02/23/2023	Yes	Manufactured Treatment Device	0		Private
ARTFX Building Addition	17-0073.1	MEHAINE - 2023-02-24 14:10:09 -- Pond is clean, some casual litter, no evident sediment accumulations;	02/23/2023	No	Bioretention 1	0		Private
ARTFX Building Addition	17-0073.2	MEHAINE - 2023-02-24 14:06:22 -- Swale is fully vegetated, clean, maintained and not sloughing or eroding;	02/23/2023	No	Wet Swale 1	0		Private

SWMF INSPECTIONS/REINSPECTIONS - FY2023

Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
5764 E Virginia Beach Blvd-Discount Tire	18-0080.1	MEHAINE - 2023-02-24 13:27:59 -- Device is relatively new. Site is well-kept, there is some casual litter present.;	02/23/2023	No	Wet Pond 1	1	04-19-2023	Private
5764 E Virginia Beach Blvd-Discount Tire	18-0080.2	MEHAINE - 2023-02-24 13:33:05 -- There is sediment and litter accumulated in the chamber of the treatment device. Please perform annual service and provide record of such to inspector.;	02/23/2023	Yes	Manufactured Treatment Device	1	04-19-2023	Private
Artfx Parking Lot Addition	19-0049.1	MEHAINE - 2023-02-24 14:15:55 -- Pond is in good condition. No maintenance issues were found.;	02/23/2023	No	Bioretention 1	0		Private
John's Brothers Inc. Parking Lot and Wash Building	BROTHERS.1	MEHAINE - 2023-02-24 14:35:45 -- Piles of soil have been placed in swale, area is denuded, no E&S protection is in place. Soil piles must be removed, denuded area must be stabilized, all trash and debris must be removed from swale area.;	02/23/2023	Yes	Grass Channel	1	04-19-2023	Private
BJ's Wholesale Warehouse	T121.1	MEHAINE - 2023-02-24 11:06:50 -- BMP is generally in good condition. There is a tremendous amount of litter in the basin that must be removed. There is an accumulated sediment island that must be removed. Vegetation must be restored in the denuded strip around the anchor stone perimeter. ;	02/23/2023	Yes	Wet Pond	0		Private
Norfolk Square Contractor's Office	17-0051.1	MEHAINE - 2023-02-28 07:28:00 -- Site is new, this is the initial post-construction inspection. Owner has matted the area to improve stabilization.; MEHAINE - 2023-02-28 07:49:43 -- This inspection report was created in error. It is a duplicate.;	02/28/2023	No	Infiltration 2	0		Private
Store Space - Storage Unit Facility	21-0007.1	MEHAINE - 2023-02-28 12:47:54 -- Initial post-construction inspection- site is in good shape.;	02/28/2023	No	Manufactured Treatment Device	0		Private
Granby Street Bike Bypass at Riverview	20-0021.1	MEHAINE - 2023-03-02 08:25:11 -- Initial post-construction inspection. Site holds water, everyone is aware.;	03/01/2023	No	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.1	MEHAINE - 2023-03-10 07:13:30 -- Remove accumulated sediment and debris, coordinate with KT to remove gravel in overflow inlet.;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Shorewood Shores-Phase 1	05-0082.2	MEHAINE - 2023-03-10 08:37:35 -- Remove accumulated sediment and debris;	03/06/2023	Yes	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.3	MEHAINE - 2023-03-10 08:50:55 -- Remove accumulated sediment and debris;	03/06/2023	Yes	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.4	MEHAINE - 2023-03-08 14:45:48 -- Remove accumulated sediment and leaves.;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Shorewood Shores-Phase 1	05-0082.5	MEHAINE - 2023-03-10 07:28:36 -- Remove accumulated sediment and debris, coordinate with KT to remove gravel in overflow inlet. This inlet is shared between the two Filterras on this side of the street;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Shorewood Shores-Phase 1	05-0082.6	MEHAINE - 2023-03-08 15:01:23 -- Remove dead tree, remove accumulated sediment and leaves.;	03/06/2023	Yes	Manufactured Treatment Device	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Shorewood Shores Phase II	06-0044.1	MEHAINE - 2023-03-08 13:15:55 -- Remove tree debris, remove accumulated sediment and leaves.;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Shorewood Shores Phase II	06-0044.2	MEHAINE - 2023-03-08 13:22:09 -- Remove tree debris, remove accumulated sediment and leaves.;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Shorewood Shores Phase II	06-0044.3	MEHAINE - 2023-03-08 13:36:38 -- Remove tree debris, remove accumulated sediment and leaves.;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Shorewood Shores Phase II	06-0044.4	MEHAINE - 2023-03-08 14:01:26 -- Remove tree debris, remove accumulated sediment and leaves.;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Shorewood Shores Phase II	06-0044.5	MEHAINE - 2023-03-08 14:06:14 -- Remove tree debris, remove accumulated sediment and leaves.;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Shorewood Shores Phase II	06-0044.6	MEHAINE - 2023-03-08 14:13:04 -- Remove tree debris, remove accumulated sediment and leaves.;	03/06/2023	Yes	Manufactured Treatment Device	1	03-15-2023	Public
Norfolk Academy Football Field	15-0044.1	MEHAINE - 2023-03-08 11:15:35 -- Track is clean, it is evident that trench has been cleaned more than once in season;	03/06/2023	No	Permeable Pavement 1	0		Private
Norfolk Academy Football Field	15-0044.2	MEHAINE - 2023-03-08 11:24:25 -- Site is clean and maintained;	03/06/2023	No	Infiltration 1	0		Private
Norfolk Academy Leadership Center	15-0052.1	MEHAINE - 2023-03-08 07:20:02 -- Site is well-maintained. ;	03/06/2023	No	Bioretention- Urban	0		Private
Norfolk Academy Football Stadium	15-0059.1	MEHAINE - 2023-03-08 11:57:21 -- Site is clean and maintained;	03/06/2023	No	Bioretention- Urban	0		Private
Norfolk Academy Football Stadium	15-0059.2	MEHAINE - 2023-03-08 11:53:38 -- Site is clean and maintained;	03/06/2023	No	Permeable Pavement 1	0		Private
Norfolk Academy Football Stadium	15-0059.3	MEHAINE - 2023-03-08 11:48:39 -- Site is clean and maintained;	03/06/2023	No	Grass Channel	0		Private
Norfolk Academy Football Stadium	15-0059.4	MEHAINE - 2023-03-08 11:43:59 -- Site is clean and maintained;	03/06/2023	No	Rooftop or Impervious Surface Discor	0		Private
Norfolk Academy Lower School Addition	16-0031.1	MEHAINE - 2023-03-08 09:05:05 -- Device is in excellent condition;	03/06/2023	No	Bioretention- Urban	0		Private

SWMF INSPECTIONS/REINSPECTIONS - FY2023

Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Norfolk Academy Lower School Addition	16-0031.2	MEHAINE - 2023-03-08 08:53:33 -- Device is in excellent condition;	03/06/2023	No	Rooftop or Impervious Surface Discor	0		Private
Norfolk Academy Lower School Addition	16-0031.3	MEHAINE - 2023-03-08 08:44:22 -- Site is in excellent condition;	03/06/2023	No	Bioretention 1	0		Private
Norfolk Academy Lower School Addition	16-0031.4	MEHAINE - 2023-03-08 08:40:41 -- Site is in good condition;	03/06/2023	No	Dry Swale 1	0		Private
Norfolk Academy Refectory	16-0033.1	MEHAINE - 2023-03-08 08:08:41 -- Site is in good condition- no floatables or rocks in the overflows or inlets;	03/06/2023	No	Rooftop or Impervious Surface Discor	0		Private
Norfolk Academy STEAM Addition	16-0078.1	MEHAINE - 2023-03-08 10:55:25 -- Accessed both portions of device and it is in good condition.;	03/06/2023	No	Rooftop or Impervious Surface Discor	0		Private
Norfolk Academy	T748.1	MEHAINE - 2023-03-08 09:14:26 -- Pond is in good condition, annual mowing scheduled for this week.;	03/06/2023	No	Wet Pond	0		Private
Shiloh Baptist Church Parking Lot	T173.1	MEHAINE - 2023-03-10 09:33:57 -- Site is regularly maintained, basins appear to function as designed.;	03/07/2023	No	Detention Basin	0		Private
Shiloh Baptist Church Parking Lot	T173.2	MEHAINE - 2023-03-10 09:36:12 -- Site is regularly maintained, basins appear to function as designed.;	03/07/2023	No	Detention Basin	0		Private
Shiloh Baptist Church Parking Lot	T173.3	MEHAINE - 2023-03-10 09:40:46 -- Site is regularly maintained, basins appear to function as designed.;	03/07/2023	No	Detention Basin	0		Private
Shiloh Baptist Church Parking Lot	T173.4	MEHAINE - 2023-03-10 09:44:38 -- Site is regularly maintained, basins appear to function as designed.;	03/07/2023	No	Detention Basin	0		Private
Shiloh Baptist Church Parking Lot	T173.5	MEHAINE - 2023-03-10 09:28:59 -- Site is regularly maintained, basins appear to function as designed.;	03/07/2023	No	Detention Basin	0		Private
The Lofts at Front Street	19-0061.1	MEHAINE - 2023-03-17 08:42:29 -- Initial post-construction inspection- site has not changed from final construction inspection;	03/10/2023	No	Permeable Pavement 1	0		Private
FBI Building - Riverside Corporate Center	T91.1	MEHAINE - 2023-03-14 09:10:00 -- sITE IS WELL MAINTAINED;	03/10/2023	No	Detention Basin	0		Private
FBI Building - Riverside Corporate Center	T91.2	MEHAINE - 2023-03-14 09:13:07 -- Site is well maintained;	03/10/2023	No	Wet Pond	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
HRT Newtown Park and Ride	Light Rail.1	MEHAINE - 2023-03-17 08:54:45 -- Pond is in good condition, litter presence and vegetation are consistent with routine maintenance practices;	03/14/2023	No	Extended Detention Basin	0		Private
Shorewood Shores-Phase 1	05-0082.2	MEHAINE - 2023-03-16 14:42:37 -- Work has been completed.;	03/15/2023	No	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.3	MEHAINE - 2023-03-16 14:44:36 -- Work has been completed.;	03/15/2023	No	Manufactured Treatment Device	0		Public
Shorewood Shores-Phase 1	05-0082.6	MEHAINE - 2023-03-16 14:40:04 -- Work has been completed.;	03/15/2023	No	Manufactured Treatment Device	0		Public
Newtowne South Townhomes	06-0036.1	MEHAINE - 2023-03-17 09:12:18 -- BMP is maintained- litter presence is consistent with maintenance frequency.;	03/15/2023	No	Detention Basin	0		Private
Newtowne South Townhomes	06-0036.2	MEHAINE - 2023-03-17 09:15:58 -- BMP is in good condition, litter presence is consistent with regular maintenance;	03/15/2023	No	Detention Basin	0		Private
Valley Self Storage	13-0010.1	MEHAINE - 2023-03-16 15:25:03 -- Pond is clean, vegetation shows annual maintenance growth. Litter presence is consistent with winter service schedule. ;	03/15/2023	No	Detention Basin	0		Private
East Coast Appliance	16-0030.1	MEHAINE - 2023-03-16 15:05:39 -- Pavement is clean, no evidence of ponding or sediment accumulation.;	03/15/2023	No	Permeable Pavement 1	0		Private
Valley Self Storage Additional Buildings	17-0012.1	MEHAINE - 2023-03-16 15:12:13 -- Drive aisle is clean, there is no sediment or litter accumulation. No accumulation is visible in yard drains or at outfall;	03/15/2023	No	Infiltration Practices	0		Private
Valley Self Storage Additional Buildings	17-0012.2	MEHAINE - 2023-03-16 15:18:26 -- Drive aisle is clean, there is no sediment or litter accumulation. No accumulation is visible in yard drains or at outfall;	03/15/2023	No	Infiltration Practices	0		Private
Apple Retail Properties	17-0030.1	MEHAINE - 2023-03-27 15:00:37 -- Pond is well maintained. Spill protection is still in place from reported spill in 2022 and can be removed. ;	03/15/2023	No	Wet Pond 1	0		Private
20 Rivanna Building Canopy & Drive Aisle	18-0066.1	MEHAINE - 2023-03-17 09:33:38 -- Pavement is in good condition, there is no evidence of ponding, area is clean.;	03/15/2023	No	Permeable Pavement 1	0		Private
Ted Lansing Corporation	T210.1	MEHAINE - 2023-03-17 10:13:12 -- BMP is old but is well-vegetated and maintained. Roof drains are vegetated and not eroding. There is a small eroded area outside of the SW system resulting from fire system testing that will be repaired.;	03/15/2023	No	Detention Basin	0		Private
Woodlawn Memorial Gardens Funeral Home	T409.1	MEHAINE - 2023-03-17 11:39:39 -- BMP was in excellent condition and had been recently serviced at the time of inspection ;	03/16/2023	No	Detention Basin	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Woodlawn Memorial Gardens Funeral Home	T409.2	MEHAINE - 2023-03-17 11:45:56 -- BMP was in excellent condition and had been recently serviced at the time of inspection ;	03/16/2023	No	Detention Basin	0		Private
Norfolk Juvenile Detention Center Pond	14-0079.1	MEHAINE - 2023-03-23 14:58:02 -- Basin had been maintained at the time of inspection. There were no sediment slicks or debris rafts- litter load was as to be expected.; MEHAINE - 2023-03-23 15:07:14 -- There is a cave in in front of the curb inlet marked with a cone in the parking area closest to the pond. It's probably close to 3' deep and has eroded a significant area under the asphalt.;	03/21/2023	No	Wet Pond 1	2	05-03-2023	Public
Dale's Train Station	T400	MEHAINE - 2023-03-23 14:35:50 -- Basin is maintained- vegetation is at a managed level, there is no undue litter burden. Sediment accumulation must be removed from asphalt at curb cut and removed from the infall point to an adequate level inside the basin to allow for the free-flow of runoff during a rain event.;	03/21/2023	Yes	Detention Basin	0		Private
Street Improvements - Ernies Way	06-0107.1	MEHAINE - 2023-03-27 13:29:16 -- BMP is adequately maintained;	03/23/2023	No	Bioretention Basins	0		Public
Street Improvements - Ernies Way	06-0107.2	MEHAINE - 2023-03-27 13:32:02 -- BMP maintenance is adequate;	03/23/2023	No	Grass Channel	0		Public
US General Services Admin	11-0014.1	MEHAINE - 2023-03-27 13:02:09 -- BMP is well maintained.;	03/23/2023	No	Extended Detention Basin	0		Public
7-Eleven	13-0031.1	MEHAINE - 2023-03-27 13:52:37 -- Contributing drainage area is clean. Please provide report from servicing underground detention and storm filter;	03/23/2023	Yes	Manufactured Treatment Device	0		Private
Popular Hall Trail	16-0049.1	MEHAINE - 2023-03-27 13:22:27 -- Median maintenance is adequate- no ruts or ponding present;	03/23/2023	No	Compost Amendment	0		Public
Home 2 Suites	17-0069.1	MEHAINE - 2023-03-27 14:32:20 -- There is significant sediment, litter and debris accumulation in Storm-capture underground detention system. Please perform required annual maintenance and provide service record to inspector.;	03/23/2023	Yes	Manufactured Treatment Device	0		Private
847-925 Ingleside Road Stormwater Retrofits	18-0101.1	MEHAINE - 2023-03-24 13:12:05 -- BMP is maintained, no evidence of ponding or erosion;	03/23/2023	No	Compost Amendment	0		Private
847-925 Ingleside Road Stormwater Retrofits	18-0101.2	MEHAINE - 2023-03-24 13:17:49 -- BMP is maintained- vegetation and debris is adequate;	03/23/2023	No	Other Retrofit- Runoff Reduction	0		Public
847-925 Ingleside Road Stormwater Retrofits	18-0101.3	MEHAINE - 2023-03-24 13:23:08 -- Vegetation is maintained. Sediment plume is present, possible origin is driveway culvert;	03/23/2023	Yes	Vegetated Filter Strip	1	05-03-2023	Public
847-925 Ingleside Road Stormwater Retrofits	18-0101.4	MEHAINE - 2023-03-24 13:45:59 -- Swales are in good condition;	03/23/2023	No	Other Retrofit- Runoff Reduction	0		Public
4605-4625 E PRINCESS ANNE STORMWATER RETROFIT	18-0103.1	MEHAINE - 2023-03-24 13:53:53 -- BMP is in good condition; vegetation has not been maintained, litter has not been collected;	03/23/2023	Yes	Other Retrofit- Runoff Reduction	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
4605-4625 E PRINCESS ANNE STORMWATER RETROFIT	18-0103.2	MEHAINE - 2023-03-24 14:11:58 -- BMP is in good condition; vegetation has not been maintained, litter has not been collected;	03/23/2023	Yes	Other Retrofit- Runoff Reduction	0		Public
4605-4625 E PRINCESS ANNE STORMWATER RETROFIT	18-0103.3	MEHAINE - 2023-03-24 14:24:12 -- BMP is in good condition and is maintained;	03/23/2023	No	Other Retrofit- Runoff Reduction	0		Private
Continous Flow Intersection	S72.1	MEHAINE - 2023-03-27 15:11:58 -- BMP has been clear cut this season. Top of outfall headwall has several small trees that need to be removed. There is a roll of chain link in the actual outfall that needs to be removed. Litter/debris raft at inlet structure needs to be removed so that litter load can be gauged and service frequency adjusted. Small infall pipe next to primary infall needs to be cleared and uncovered.;	03/23/2023	Yes	Extended Detention Basin	0		Public
Market Heights Appartment Complex	19-0060.1	MEHAINE - 2023-03-28 07:05:20 -- Site is new- this is the initial post-construction inspection. Half of the property was still closed pending completion of building construction;	03/24/2023	No	Permeable Pavement 1	0		Private
Glenrock SFR	Glenrock SFR.1	MEHAINE - 2023-03-27 14:24:08 -- Swales have been maintained;	03/24/2023	No	Other Retrofit- Runoff Reduction	0		Private
Leigh Medical Office Building	07-0061.1	MEHAINE - 2023-03-28 15:09:22 -- Requested work has been done;	03/28/2023	No	Dry Swale	0		Private
Leigh Medical Office Building	07-0061.2	MEHAINE - 2023-03-28 15:13:12 -- Requested service has been completed;	03/28/2023	No	Manufactured Treatment Device	0		Private
Lake Taylor Field House	14-0009.1	MEHAINE - 2023-03-29 13:21:05 -- Site is in good condition and is maintained;	03/29/2023	No	Rooftop or Impervious Surface Discor	0		Public
Lake Taylor Field House	14-0009.2	MEHAINE - 2023-03-29 13:23:56 -- Site is in good condition and is maintained;	03/29/2023	No	Rooftop or Impervious Surface Discor	0		Public
Safe Place Mini Storage	T333.1	MEHAINE - 2023-03-29 13:30:02 -- Site is clean and maintained, no evidence of redirects, ponding or erosion;	03/29/2023	No	Infiltration Practices	0		Private
Barry Robinson Center	21-0043.1	ADOAN - 2023-04-04 09:34:10 -- 1.Remove outlet protection.
 2.Remove matting, reseed, and replace matting.
 3.Seed and mat bare soils around tree and outfall.
 ;	04/03/2023	Yes	Grass Channel	1	04-27-2023	Private
Duplex	01-0173.1	MEHAINE - 2023-04-05 10:47:52 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex	01-0173.2	MEHAINE - 2023-04-05 10:44:52 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Apartments	01-0223.1	MEHAINE - 2023-04-05 11:26:58 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Duplex	03-139.1	MEHAINE - 2023-04-05 10:38:04 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex	03-139.2	MEHAINE - 2023-04-05 10:34:49 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex	03-287.1	MEHAINE - 2023-04-05 10:17:46 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex	03-287.2	MEHAINE - 2023-04-05 10:20:31 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex	03-287.3	MEHAINE - 2023-04-05 10:23:44 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex - Lot 5 blk 3	05-0061.1	MEHAINE - 2023-04-05 12:51:54 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex - Lot 5 blk 3	05-0061.2	MEHAINE - 2023-04-05 12:55:05 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex - Lot 6 blk3	05-0062.1	MEHAINE - 2023-04-05 13:04:42 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex - Lot 6 blk3	05-0062.2	MEHAINE - 2023-04-05 13:12:33 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex - Lot 7 blk 3	05-0063.1	MEHAINE - 2023-04-05 13:17:50 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex - Lot 7 blk 3	05-0063.2	MEHAINE - 2023-04-05 13:20:18 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Duplex	06-0005.1	MEHAINE - 2023-04-05 15:11:10 -- Site is well maintained- no vegetative debris, disturbance or evidence of BMP failure noted;	04/04/2023	No	Bioretention	0		Private
Duplex Lot "C"	06-0015.1	MEHAINE - 2023-04-05 10:01:28 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private
Sandollar Duplex	06-0104.1	MEHAINE - 2023-04-05 13:26:30 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration Practices	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Carlton Homes LLC ROW Improvements	15-0001.1	MEHAINE - 2023-04-05 14:56:12 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration 1	0		Public
Carlton Homes LLC ROW Improvements	15-0001.2	MEHAINE - 2023-04-05 14:59:56 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration 1	0		Public
Carlton Homes LLC ROW Improvements	15-0001.3	MEHAINE - 2023-04-05 15:02:39 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Infiltration 1	0		Public
1424, 1426, & 1428 W Ocean View Ave.	16-0102.1	MEHAINE - 2023-04-10 07:08:54 -- The BMP cannot be used as on-site storage. The pre-formed pool must be removed and stored elsewhere. Otherwise, the BMP and site are maintained and there is no evidence of BMP failure.;	04/04/2023	Yes	Infiltration 1	0		Private
1424, 1426, & 1428 W Ocean View Ave.	16-0102.2	MEHAINE - 2023-04-10 07:15:11 -- BMP and site are maintained, no evidence of device failure.;	04/04/2023	No	Infiltration 1	0		Private
1st View St. - 3 SFR	17-0028.1	MEHAINE - 2023-04-05 11:14:03 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Rooftop or Impervious Surface Discor	0		Private
1st View St. - 3 SFR	17-0028.2	MEHAINE - 2023-04-05 11:19:13 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Rooftop or Impervious Surface Discor	0		Private
1st View St. - 3 SFR	17-0028.3	MEHAINE - 2023-04-05 11:16:57 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Rooftop or Impervious Surface Discor	0		Private
3 SFR - 1100 Virgilina Ave	17-0043.1	MEHAINE - 2023-04-05 14:36:02 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Bioretention 1	0		Private
3 SFR - 1100 Virgilina Ave	17-0043.2	MEHAINE - 2023-04-05 14:40:45 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Bioretention 2	0		Private
3 SFR - 1100 Virgilina Ave	17-0043.3	MEHAINE - 2023-04-05 14:44:25 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Permeable Pavement 1	0		Private
3 SFR - 1100 Virgilina Ave	17-0043.4	MEHAINE - 2023-04-05 14:47:20 -- Site is maintained and in good condition. No evidence of BMP failure noted;	04/04/2023	No	Permeable Pavement 2	0		Private
Duplex - Lot 6 blk3	05-0062.1	MEHAINE - 2023-04-05 13:04:18 -- This is a duplicate report;	04/05/2023	No	Infiltration Practices	0		Private
Townhouses	03-0193.1	MEHAINE - 2023-04-10 07:40:01 -- Site is well maintained. No evidence of ponding or other BMP failure present at the time of inspection;	04/06/2023	No	Infiltration Practices	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Townhouses	03-0193.2	MEHAINE - 2023-04-10 07:44:54 -- Site was maintained; no evidence of BMP failure noted at the time of inspection;	04/06/2023	No	Infiltration Practices	0		Private
Duplex	03-0323.1	MEHAINE - 2023-04-07 14:42:54 -- Site is in good condition. No evidence of BMP failure noted during inspection.;	04/06/2023	No	Infiltration Practices	0		Private
Duplex	03-0323.2	MEHAINE - 2023-04-07 14:48:02 -- Site is in good condition. No evidence of BMP failure noted during inspection.;	04/06/2023	No	Infiltration Practices	0		Private
Duplex	03-0325.1	MEHAINE - 2023-04-07 14:54:02 -- Site is in good condition. No evidence of BMP failure noted during inspection.;	04/06/2023	No	Infiltration Practices	0		Private
Duplex	03-0325.2	MEHAINE - 2023-04-07 14:58:18 -- Site is in good condition. No evidence of BMP failure noted during inspection.;	04/06/2023	No	Infiltration Practices	0		Private
Duplex	03-0325.3	MEHAINE - 2023-04-07 15:01:54 -- Site is in good condition. No evidence of BMP failure noted during inspection.;	04/06/2023	No	Infiltration Practices	0		Private
Duplex - Willoughby	04-0062.1	MEHAINE - 2023-04-07 15:12:10 -- Site is in good condition. No evidence of BMP failure noted during inspection.;	04/06/2023	No	Infiltration Practices	0		Private
Duplex	04-0072.1	MEHAINE - 2023-04-07 15:07:13 -- Site is in good condition. No evidence of BMP failure noted during inspection.;	04/06/2023	No	Bioretention	0		Private
Duplex	06-0056.1	MEHAINE - 2023-04-10 07:52:55 -- Site is maintained; no evidence of BMP device failure noted at the time of inspection;	04/06/2023	No	Infiltration Practices	0		Private
Duplex	06-0056.2	MEHAINE - 2023-04-10 07:56:06 -- Site is maintained; no evidence of BMP failure at the time of inspection;	04/06/2023	No	Infiltration Practices	0		Private
Northside Middle School Parking Lot	07-0014.1	MEHAINE - 2023-04-07 14:08:38 -- Annual maintenance has not been done. Infiltration area is full of leaves and litter.;	04/06/2023	Yes	Bioretention	0		School
First Church of God	07-0047.1	MEHAINE - 2023-04-07 14:31:54 -- Site is in good condition and maintained;	04/06/2023	No	Infiltration Practices	0		Private
First Church of God	07-0047.2	MEHAINE - 2023-04-07 14:34:58 -- Site is maintained and BMPis in good condition. No evidence of failure noted;	04/06/2023	No	Infiltration Practices	0		Private
	T505.1	MEHAINE - 2023-04-10 14:37:51 -- Site is maintained and in good condition. There was no evidence of device failure at the time of inspection;	04/10/2023	No	Infiltration Practices	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Bayview Elementary School Addition / Renovation	T517.1	MEHAINE - 2023-04-10 14:32:15 -- There is some sediment in the contributing drainage area, but not enough to be an issue. No evidence of device failure was present at the time of inspection.;	04/10/2023	No	Infiltration Practices	0		School
Merrimac Landing Apartments (off site parking)	T75.1	MEHAINE - 2023-04-10 15:03:26 -- BMP is old but appears to be functional. No evidence of failure noted at the time of inspection.;	04/10/2023	No	Infiltration Practices	0		Private
Merrimac Landing Apartments (off site parking)	T75.2	MEHAINE - 2023-04-10 14:59:08 -- Infiltration area is old but appears to be functional. No evidence of failure was present at the time of inspection.;	04/10/2023	No	Infiltration Practices	0		Private
Merrimac Landing Apartments (off site parking)	T75.3	MEHAINE - 2023-04-10 14:52:55 -- Sediment accumulation in curb inlets does not allow runoff to enter infiltration area. Remove accumulated sediment, reestablish slope and stabilize any denuded areas resulting from repairs.;	04/10/2023	Yes	Infiltration Practices	0		Private
Merrimac Landing Apartments (off site parking)	T75.4	MEHAINE - 2023-04-10 15:16:41 -- Infiltration area has been compromised and BMP is no longer functional. Repairs/replacement were necessary at the time of inspection;	04/10/2023	Yes	Infiltration Practices	0		Private
Merrimac Landing Apartments (off site parking)	T75.5	MEHAINE - 2023-04-10 15:06:42 -- BMP is old but appears functional. No evidence of failure was noted at the time of inspection;	04/10/2023	No	Infiltration Practices	0		Private
Merrimac Landing Apartments (off site parking)	T75.6	MEHAINE - 2023-04-10 15:12:39 -- BMP is old but appears functional. No evidence of failure was noted at the time of inspection;	04/10/2023	No	Infiltration Practices	0		Private
Merrimac Landing Apartments (off site parking)	T75.7	MEHAINE - 2023-04-10 15:27:19 -- BMP is old but appears functional. No evidence of failure was noted at the time of inspection;	04/10/2023	No	Infiltration Practices	0		Private
Merrimac Landing Apartments (off site parking)	T75.8	MEHAINE - 2023-04-11 07:06:26 -- BMP has been used as a driveway and is no longer functional. Device must be reconstructed in accordance with the approved site plan and inspected for compliance. ;	04/10/2023	Yes	Infiltration Practices	0		Private
Merrimac Landing Apartments (off site parking)	T75.9	MEHAINE - 2023-04-10 15:23:57 -- BMP is old but appears functional. No evidence of failure was noted at the time of inspection;	04/10/2023	No	Infiltration Practices	0		Private
Bus Transfer Station	13-0085.1	MEHAINE - 2023-04-11 11:12:54 -- HDS was located on site with vac truck crew. No service was necessary at this time. Unit and contributing drainage area were very clean.;	04/11/2023	No	Manufactured Treatment Device	0		Public
Ocean View Elementary School	14-0085.1	MEHAINE - 2023-04-12 07:32:19 -- Pond is in good condition. There is an excessive litter presence. There is a significant sediment accumulation at the north infall to the pond that needs to be removed.;	04/11/2023	Yes	Wet Pond	0		School
Moores Bridges WTP Chemical Feed System	17-0090.1	MEHAINE - 2023-04-12 07:18:57 -- Device was in good condition with no sediment or trash load at the time of inspection;	04/11/2023	No	Manufactured Treatment Device	0		Public
Moores Bridges WTP Chemical Feed System	17-0090.2	MEHAINE - 2023-04-12 07:23:14 -- Pond was in initial vegetation phase but had no sloughing or bare areas. Water was clean.;	04/11/2023	No	Detention Basin	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Lake Taylor HS Storm Drain and Road Repairs	18-0022.1	MEHAINE - 2023-04-11 15:09:37 -- Filterra unit needs annual maintenance service;	04/11/2023	Yes	Manufactured Treatment Device	0		School
Lake Taylor HS Storm Drain and Road Repairs	18-0022.2	MEHAINE - 2023-04-11 15:13:41 -- Filterra unit requires annual maintenance service;	04/11/2023	Yes	Manufactured Treatment Device	0		School
Lake Modoc	16-0054.1	MEHAINE - 2023-04-12 14:59:03 -- Site has been maintained as possible. No downed trees or floating debris noted, no structural failure noted at the time of inspection.;	04/12/2023	No	Wet Pond 2	0		Public
Dune Street Wetland	16-0075.1	MEHAINE - 2023-04-13 09:01:29 -- Fire ant nest was found on the basin rim near the inlet. Vegetation has been maintained, no evidence of failure was noted at the time of inspection.;	04/12/2023	No	Stormwater Wetland 2	0		Public
Cottage Place Subdivision	T341.1	MEHAINE - 2023-04-12 15:17:19 -- Curb cuts need to be cleaned;	04/12/2023	Yes	Infiltration Practices	0		Public
CON Small Brick Building	11-0044.1	MEHAINE - 2023-04-13 14:55:34 -- Site was in good condition, well vegetated. No evidence of failure was noted at the time of inspection.;	04/13/2023	No	Infiltration Practices	0		Public
Dollar General Store	15-0035.1	MEHAINE - 2023-04-13 13:57:23 -- HDS unit has not been recently serviced and is full. Remove sediment and trash accumulations from HDS unit, inlet and contributing drainage area. ;	04/13/2023	Yes	Manufactured Treatment Device	0		Private
Bayview Estates Subdivision	00-4449.1	MEHAINE - 2023-04-17 08:37:15 -- Basin is in good condition and is maintained regularly. No evidence of deficiency was noted at the time of inspection.;	04/14/2023	No	Detention Basin	0		Private
Broad Creek Villas	08-0042.1	MEHAINE - 2023-04-17 09:10:08 -- Site is in excellent condition, no deficiencies noted at the time of inspection.;	04/14/2023	No	Extended Detention Basin	0		Private
Broad Creek Villas	08-0042.2	MEHAINE - 2023-04-17 09:20:38 -- Site is in excellent condition, no deficiencies noted at the time of inspection.;	04/14/2023	No	Extended Detention Basin	0		Private
PLEASANT POINT LIVING SHORELINE	20-0024.1	MEHAINE - 2023-04-17 10:13:21 -- Site is stabilized, vegetation is coming on slowly. There was no evidence of failure at the time of inspection.;	04/14/2023	No	Shoreline Management	0		Public
Beach Maintenance Blvd, NRHA	91067.030.1	MEHAINE - 2023-04-17 07:19:47 -- Site is in generally good condition. No deficiencies noted at the time of inspection.;	04/14/2023	No	Infiltration Practices	0		Public
Virginia Paving Co.	99-4218.1	MEHAINE - 2023-04-17 08:47:27 -- Requested maintenance has been completed.;	04/14/2023	No	Wet Pond	0		Private
Apartments Parking Lot	T435.1	MEHAINE - 2023-04-17 08:17:19 -- Site is being renovated. There is trash in BMP and sediment in contributing drainage area. Sediment accumulation needs to be removed from BMP.;	04/14/2023	Yes	Infiltration Practices	1	05-03-2023	Private

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Duplex Dudley Avenue - Lot "F"	T56.1	MEHAINE - 2023-04-17 07:28:32 -- Site is in good condition. No deficiencies noted at the time of inspection.;	04/14/2023	No	Infiltration Practices	0		Private
Subdivision Plan for Bullock Park	11-0023.1	MEHAINE - 2023-04-18 13:42:55 -- Basin is maintained, overflow is functional, no evidence of failure was noted at the time of inspection;	04/17/2023	No	Extended Detention Basin	0		Private
Sunset Dr. at Chesapeake Blvd Drainage	16-0048.1	MEHAINE - 2023-04-19 07:39:46 -- Unit requires scheduled service;	04/17/2023	Yes	Manufactured Treatment Device	0		Public
Walgreens	01-0224.1	MEHAINE - 2023-04-18 13:21:45 -- Separator is in a landscaped area. Unit is very clean and is functional. Contributing drainage area is relatively clean. Lid was marked. ;	04/18/2023	No	Manufactured Treatment Device	0		Private
Hammett Avenue BMP	12-0026.1	MEHAINE - 2023-04-18 14:03:12 -- Vegetation requires maintenance; remove inlet protection from overflow; remove vegetative debris as necessary. Adjacent property owners are responsible for maintaining the sections of the BMP associated with each property.;	04/18/2023	No	Detention Basin	0		Private
7-Eleven	15-0049.1	MEHAINE - 2023-04-18 14:39:27 -- Manufactured wetland requires maintenance. There was an accumulation of sediment and debris in outfall at the time of inspection.;	04/18/2023	Yes	Manufactured Treatment Device	0		Private
7-Eleven	15-0049.2	MEHAINE - 2023-04-18 14:46:33 -- There was excessive sediment and litter accumulation in underground storage unit. Unit requires service. Provide service record upon completion. ;	04/18/2023	Yes	Manufactured Treatment Device	0		Private
7-Eleven	15-0049.3	MEHAINE - 2023-04-18 14:53:19 -- There was an excessive accumulation of trash and sediment in the manufactured wetland unit at the time of inspection. Unit requires maintenance- provide maintenance record upon completion.;	04/18/2023	Yes	Manufactured Treatment Device	0		Private
7-Eleven	15-0049.4	MEHAINE - 2023-04-18 15:00:19 -- Oil-water separator requires service. Please perform maintenance and provide service record.;	04/18/2023	Yes	Manufactured Treatment Device	0		Private
Riverside Station Apartments	22-0035.1	MEHAINE - 2023-05-04 08:05:22 -- Initial post construction inspection. Pond and contributing drainage area are in good condition and stabilized.;	05/03/2023	No	Wet Pond 1	0		Private
Chesterfield Elementary Parking Lot	06-0094.1	MEHAINE - 2023-05-08 14:58:16 -- BMP is under construction as part of the Ohio Creek project. Deficiencies are supposed to be corrected by the contractor at the conclusion of the project.;	05/05/2023	No	Infiltration Practices	0		School
Jacox Elementary School Bus Loop	05-0086.1	MEHAINE - 2023-05-15 08:05:57 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Infiltration Practices	0		School
Jacox Elementary School Bus Loop	05-0086.2	MEHAINE - 2023-05-15 08:09:06 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Infiltration Practices	0		School
Greenway Stormwater Park	12-0053.1	MEHAINE - 2023-05-15 08:29:01 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Wet Pond	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
901 Ballentine Boulevard Parking Lot	15-0019.1	MEHAINE - 2023-05-11 13:02:46 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Bioretention 1	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.2	MEHAINE - 2023-05-11 12:59:12 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Bioretention 1	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.3	MEHAINE - 2023-05-15 07:46:46 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Bioretention 2	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.4	MEHAINE - 2023-05-15 07:55:32 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Bioretention 1	0		Private
Pump Station 10 Service Area-Maryland Ave PS	17-0008.1	MEHAINE - 2023-05-15 08:38:11 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Grass Channel	0		Public
Lake Liberty	91067.029.1	MEHAINE - 2023-05-11 12:42:13 -- BMP is in overall excellent condition. Floatable accumulations at the outfall and in the NE inlet have been removed but this is an ongoing maintenance issue. Current mowing practices are causing the SE slopes of the pond to denude. Suggest placing these areas on annual mow only, aerification and overseed with native grass/wildflower mix.;	05/09/2023	No	Wet Pond	0		Public
Filterra	ColPlFlt1.1	MEHAINE - 2023-05-15 09:10:27 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Manufactured Treatment Device	0		Public
Filterra	ColPlFlt1.2	MEHAINE - 2023-05-15 09:14:52 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Manufactured Treatment Device	0		Public
Filterra	ColPlFlt2.1	MEHAINE - 2023-05-15 08:56:11 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Manufactured Treatment Device	0		Public
Filterra	ColPlFlt3.1	MEHAINE - 2023-05-15 08:51:37 -- Filtera is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Manufactured Treatment Device	0		Public
Filterra	ColPlFlt4.1	MEHAINE - 2023-05-15 09:01:50 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Manufactured Treatment Device	0		Public
Filterra	ColPlFlt5.1	MEHAINE - 2023-05-15 09:05:00 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Manufactured Treatment Device	0		Public
Union Chapel A.M.E. Church	T38.1	MEHAINE - 2023-05-15 08:17:11 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Infiltration Practices	0		Private
Union Chapel A.M.E. Church	T38.2	MEHAINE - 2023-05-15 08:19:19 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Infiltration Practices	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Union Chapel A.M.E. Church	T38.3	MEHAINE - 2023-05-15 08:22:13 -- BMP is in overall excellent condition. Site is maintained and contributing drainage area appears to be periodically cleaned.;	05/09/2023	No	Infiltration Practices	0		Private
Huntersville II Townhomes	06-0123.1	MEHAINE - 2023-05-22 09:13:29 -- Pavement is clean and shows no evidence of ponding or excessive runoff.;	05/15/2023	No	Permeable Pavement	0		Private
Granby Townhomes	16-0011.1	MEHAINE - 2023-05-22 12:04:55 -- Bioretention was in good condition; vegetation is maintained; structures are intact.;	05/15/2023	No	Bioretention 1	0		Private
Granby Townhomes	16-0011.2	MEHAINE - 2023-05-22 12:08:45 -- Bioretention was in good condition; vegetation is maintained; structures are intact.;	05/15/2023	No	Bioretention 1	0		Private
Granby Townhomes	16-0011.3	MEHAINE - 2023-05-22 12:11:03 -- Bioretention was in good condition; vegetation is maintained; structures are intact.;	05/15/2023	No	Bioretention 1	0		Private
Granby Townhomes	16-0011.4	MEHAINE - 2023-05-22 12:13:26 -- Bioretention was in good condition; vegetation is maintained; structures are intact.;	05/15/2023	No	Bioretention 1	0		Private
Anne Outten Pond Retrofit	16-0014.1	MEHAINE - 2023-05-22 09:03:48 -- Pond is in overall good condition. There is evidence vegetation was mowed at some point over the winter. There is a medium casual litter presence, but nothing out of control.;	05/15/2023	No	Wet Pond 2	0		Public
Auxiliary Systems	T309.1	MEHAINE - 2023-05-22 10:45:09 -- Channel drain is clogged with sediment and vegetation. Swale is obstructed with excessive vegetation, equipment, concrete wash, plastic, pallets and other items that are not supposed to be in a BMP. Items need to be removed from the entirety of the swale, vegetation needs to be maintained for this year and the channel drain needs to be cleaned out.;	05/15/2023	Yes	Grass Channel	0		Private
THR Park	04-0036.1	MEHAINE - 2023-05-23 07:48:11 -- Infiltration system is functional. Contributing drainage area is clean and flow is unobstructed. There is no evidence of ponding or failure.;	05/17/2023	No	Infiltration Practices	0		Private
THR Park	04-0036.2	MEHAINE - 2023-05-23 07:52:47 -- Filterra is clean and in good condition. No evidence of excessive bypass, ponding or failure present;	05/17/2023	No	Manufactured Treatment Device	0		Private
Tanner's Landing	05-0097.1	MEHAINE - 2023-05-22 12:21:56 -- Filterra was clean, outfall was free from accumulated debris, not evidence of overflow bypass or collapse;	05/17/2023	No	Manufactured Treatment Device	0		Private
Tanner's Landing	05-0097.2	MEHAINE - 2023-05-22 12:25:45 -- Filterra was clean, outfall was free from accumulated debris, not evidence of overflow bypass or collapse;	05/17/2023	No	Manufactured Treatment Device	0		Private
River House Apartments	07-0073.1	MEHAINE - 2023-05-22 12:40:40 -- Filterra was clean, outfall was free from accumulated debris, not evidence of overflow bypass or collapse;	05/17/2023	No	Manufactured Treatment Device	0		Private
River House Apartments	07-0073.2	MEHAINE - 2023-05-22 12:43:45 -- Filterra was clean, outfall was free from accumulated debris, not evidence of overflow bypass or collapse;	05/17/2023	No	Manufactured Treatment Device	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Church Street Station Studios	15-0022.1	MEHAINE - 2023-05-30 08:08:47 -- Filterra is clean and maintained. ;	05/22/2023	No	Manufactured Treatment Device	0		Private
Church Street Station Studios	15-0022.2	MEHAINE - 2023-05-30 08:13:12 -- Filterra is in good condition;	05/22/2023	No	Manufactured Treatment Device	0		Private
Church Street Station Studios	15-0022.3	MEHAINE - 2023-05-30 08:17:46 -- Filterra unit is in good condition and appears maintained;	05/22/2023	No	Manufactured Treatment Device	0		Private
Church Street Station Studios	15-0022.4	MEHAINE - 2023-05-30 08:20:12 -- Filterra is in good condition and appears maintained;	05/22/2023	No	Manufactured Treatment Device	0		Private
Beach Avenue Living Shoreline	16-0093.1	MEHAINE - 2023-05-31 13:10:05 -- Shoreline area is in excellent condition- no evidence of erosion or excessive wrack accumulation;	05/23/2023	No	Shoreline Management	0		Public
Beach Avenue Living Shoreline	16-0093.2	MEHAINE - 2023-05-31 13:14:23 -- Shoreline is in excellent condition;	05/23/2023	No	Shoreline Management	0		Public
Villa Circle Living Shoreline	16-0099.1	MEHAINE - 2023-05-30 08:53:11 -- Shoreline appears completely stable, no structural failures noted at the time of inspection. ROW has been mowed back to the "No Mow" signs.;	05/23/2023	No	Shoreline Management	0		Public
Villa Circle Living Shoreline	16-0099.2	MEHAINE - 2023-05-30 08:48:42 -- Shoreline appears completely stable, no structural failures noted at the time of inspection. ROW has been mowed back to the "No Mow" signs.;	05/23/2023	No	Shoreline Management	0		Public
Norchester Pump Station No. 116 Replacement	13-0023.1	MEHAINE - 2023-05-31 14:11:26 -- Grounds are well-maintained. There is no evidence of device failure.;	05/24/2023	No	Grass Channel	0		Public
Norchester Pump Station No. 116 Replacement	13-0023.2	MEHAINE - 2023-05-31 14:15:36 -- Grounds are well-maintained. There is no evidence of device failure.;	05/24/2023	No	Grass Channel	0		Public
Broad Creek Library	16-0057.1	MEHAINE - 2023-05-31 15:02:43 -- Grounds are well-maintained. There is no evidence of device failure.;	05/24/2023	No	Dry Swale 2	0		Public
Broad Creek Library	16-0057.2	MEHAINE - 2023-05-31 15:05:46 -- Grounds are well-maintained. There is no evidence of device failure.;	05/24/2023	No	Bioretention 1	0		Public
Broad Creek Library	16-0057.3	MEHAINE - 2023-05-31 15:08:39 -- Grounds are well-maintained. There is no evidence of device failure.;	05/24/2023	No	Grass Channel	0		Public
Annetta M. Lane Apartments	T100.1	MEHAINE - 2023-05-31 14:30:22 -- Grounds are well-maintained. There is no evidence of device failure.;	05/24/2023	No	Detention Basin	0		Private

SWMF INSPECTIONS/REINSPECTIONS - FY2023

Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Grandy Village Roadway	04-0119.1	MEHAINE - 2023-06-05 13:11:12 -- BMP is not functional as a result of damage done during ongoing construction across the street.;	05/26/2023	No	Grass Channel	1	06-14-2023	Public
Family Dollar	04-0140.1	MEHAINE - 2023-06-06 09:14:52 -- Actual BMP is in good condition and is functional. There is an excessive litter load at the time of inspection because of the recycles sorting process.;	05/26/2023	No	Detention Basin	0		Private
Third Police Precinct Parking Lot Addition	05-0200.1	MEHAINE - 2023-06-06 08:58:30 -- BMP is in good condition. No evidence of failure noted at the time of inspection.;	05/26/2023	No	Extended Detention Basin	0		Public
Grandy Village Community Center	08-0079.1	MEHAINE - 2023-06-05 12:43:21 -- BMP is in good condition. No evidence of failure noted at the time of inspection. annual service is scheduled;	05/26/2023	No	Bioretention	0		Public
Grandy Village Community Center	08-0079.2	MEHAINE - 2023-06-05 12:58:39 -- BMP is in good condition. No evidence of failure noted at the time of inspection. annual service is scheduled;	05/26/2023	No	Bioretention	0		Public
Grandy Village Community Center	08-0079.3	MEHAINE - 2023-06-05 13:10:56 -- BMP is in good condition. No evidence of failure noted at the time of inspection. annual service is scheduled;	05/26/2023	No	Bioretention	0		Public
Mission College Clubhouse	09-0014.1	MEHAINE - 2023-06-06 08:40:32 -- BMP is in good condition. No evidence of failure noted at the time of inspection.;	05/26/2023	No	Detention Basin	0		Private
Chesterfield Heights WW Pump Station	10-0042.1	MEHAINE - 2023-06-05 13:24:51 -- BMP is in good condition. No evidence of failure noted at the time of inspection. annual service is scheduled;	05/26/2023	No	Bioretention	0		Public
Bruce's Park Pump Station #152	13-0009.1	MEHAINE - 2023-06-06 08:54:44 -- BMP is in good condition. No evidence of failure noted at the time of inspection.;	05/26/2023	No	Dry Swale 1	0		Public
Milton Point at Kimball Terrace Shipyard	15-0046.1	MEHAINE - 2023-06-05 13:36:04 -- BMP is in good condition. No evidence of failure noted at the time of inspection.;	05/26/2023	No	Dry Swale 1	0		Private
Milton Point at Kimball Terrace Shipyard	15-0046.2	MEHAINE - 2023-06-05 13:33:16 -- BMP is in good condition. No evidence of failure noted at the time of inspection.;	05/26/2023	No	Dry Swale 1	0		Private
Milton Point at Kimball Terrace Shipyard	15-0046.3	MEHAINE - 2023-06-05 13:33:38 -- BMP is in good condition. No evidence of failure noted at the time of inspection.;	05/26/2023	No	Dry Swale 1	0		Private
Grandy Village Phase VI	16-0034.1	MEHAINE - 2023-06-05 13:19:20 -- BMP is in good condition. No evidence of failure noted at the time of inspection. annual service is scheduled;	05/26/2023	No	Wet Pond	0		Public
Roberts Road Pond Retrofit	16-0055.1	MEHAINE - 2023-06-06 08:33:37 -- BMP is in good condition. No evidence of failure noted at the time of inspection.;	05/26/2023	No	Wet Pond 2	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Market Heights Appartment Complex	19-0060.1	MEHAINE - 2023-06-06 09:35:43 -- Site is newly completed. All permeable pavement sections are clean, there was no evidence of failure at the time of inspection. ;	05/26/2023	No	Permeable Pavement 1	0		Private
Central Brambleton	T559.1	MEHAINE - 2023-06-05 13:52:15 -- BMP is in good condition. No evidence of failure noted at the time of inspection. annual service is scheduled;	05/26/2023	No	Wet Pond	0		Public
Devonshire Avenue Sidewalk Improvements	17-0047.1	ADOAN - 2023-05-31 08:18:05 -- 2023-05-30: Post construction inspection (unit installed prior to 2021). Trash and sediment accumulation in unit. WO generated. Will be put on a PM schedule. ;	05/30/2023	Yes	Manufactured BMP Systems	0		Public
Devonshire Avenue Sidewalk Improvements	17-0047.3	ADOAN - 2023-05-31 08:24:36 -- 2023-05-30: Post construction inspection (unit installed prior to 2021). Trash and sediment accumulation in unit. WO generated. Will be put on a PM schedule. ;	05/30/2023	Yes	Manufactured BMP Systems	0		Public
Johnstons Rd & SW Improvements	17-0048.1	ADOAN - 2023-05-30 12:56:31 -- 2023-05-30: Unit in good condition. Some trash. Need to be put on an annual maintenance schedule. ;	05/30/2023	No	Manufactured Treatment Device	0		Public
Arcet Equipment Co.	T769.1	MEHAINE - 2023-05-31 13:44:14 -- Interceptor has been serviced- photos provided by HEPACO on date of service.;	05/30/2023	No	Manufactured Treatment Device	0		Private
Combined Operations Facility Improvements	19-0001.1	MEHAINE - 2023-05-31 12:56:58 -- Interceptor appears to have been recently serviced, contributing drainage area was clean;	05/31/2023	No	Manufactured Treatment Device	0		Public
Utilities Combined Ops	S106.1	MEHAINE - 2023-05-31 12:47:30 -- Pond is in relatively good condition. It is routinely maintained, some minor sloughing and waterline erosion is occurring ;	05/31/2023	No	Extended Detention Basin	0		Public
Utilities Combined Ops	S106.2	MEHAINE - 2023-05-31 12:51:49 -- Pond is in relatively good condition. It is routinely maintained, some minor sloughing and waterline erosion is occurring ;	05/31/2023	No	Extended Detention Basin	0		Public
Helena Townhouses	T474.1	MEHAINE - 2023-06-02 14:53:59 -- All properties flow to the center easement, properties are maintained and no device failure was observed at the time of inspection;	06/02/2023	No	Infiltration Practices	0		Private
Barraud Park	07-0086.1	MEHAINE - 2023-06-07 07:33:45 -- BMP is in good condition, evidence of failure not present at the time of inspection. Surrounding area is largely denuded and compacted because of cars off of the pavement, but traffic control is not effective or present ;	06/06/2023	No	Infiltration Practices	0		Public
Roper Home Parking Lot	15-0008.1	MEHAINE - 2023-06-07 08:42:58 -- Pavement is clean, no evidence of failure noted at the time of inspection;	06/06/2023	No	Permeable Pavement 2	0		Private
Lindenwood Barraud Park Shoreline Restoration	16-0092.1	MEHAINE - 2023-06-07 08:13:23 -- Shoreline is growing in perfectly. No erosion issues were noted at the time of inspection. Litter load is minimal, wrack accumulation load is minimal.;	06/06/2023	No	Shoreline Management	0		Public
Baylor Warehouse Building Addition	17-0045.2	MEHAINE - 2023-06-07 08:22:37 -- BMP was in adequate condition at the time of inspection. No evidence of erosion or of system failure was present.;	06/06/2023	No	Credit Purchase	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Granby Street Bike Bypass at Riverview	20-0021.1	MEHAINE - 2023-06-07 09:13:54 -- Device was clean at the time of inspection but still holds water as noted in construction inspections. ;	06/06/2023	No	Manufactured Treatment Device	0		Public
Lydia Roper House	21-0048.1	MEHAINE - 2023-06-07 08:46:56 -- Pavement was in good condition at the time of inspection. No evidence of device failure was noted.;	06/06/2023	No	Permeable Pavement 2	0		Private
LaValette Living Shoreline	S100.1	MEHAINE - 2023-06-07 09:04:05 -- Shoreline section was in excellent condition at the time of inspection. No excessive litter or wrack burden was noted;	06/06/2023	No	Shoreline Management	0		Public
LaValette Living Shoreline	S100.2	MEHAINE - 2023-06-07 09:08:43 -- Shoreline section was in excellent condition at the time of inspection. No excessive litter or wrack burden was noted;	06/06/2023	No	Shoreline Management	0		Public
LaValette Living Shoreline	S100.3	MEHAINE - 2023-06-07 09:10:41 -- Trees are in excellent condition ;	06/06/2023	No	Forest Buffer More Than 35ft Wide	0		Public
Haven Creek Pathway	S102.1	MEHAINE - 2023-06-07 09:17:30 -- Shoreline section was in excellent condition at the time of inspection. No excessive litter or wrack burden was noted;	06/06/2023	No	Shoreline Management	0		Public
Calvert Square Community Center Improvements	T540.1	MEHAINE - 2023-06-07 09:27:58 -- Garden and rain barrels were in excellent condition at the time of inspection. There was no evidence of device failure or sediment in the system;	06/06/2023	No	Infiltration Practices	0		Public
Warehouse extension	05-0016.1	MEHAINE - 2023-06-08 08:05:28 -- Device was in good working order at the time of inspection. No evidence of failure noted.;	06/07/2023	No	Detention Basin	0		Private
Duplex	06-0073.1	MEHAINE - 2023-06-08 08:08:28 -- Device was in good working order at the time of inspection. No evidence of failure noted.;	06/07/2023	No	Extended Detention Basin	0		Private
Food Bank Paving Addition	15-0048.1	MEHAINE - 2023-06-08 07:47:30 -- Device was in good working order at the time of inspection. No evidence of failure noted.;	06/07/2023	No	Bioretention 1	0		Private
Food Bank Paving Addition	15-0048.2	MEHAINE - 2023-06-08 07:55:12 -- Device was in good working order at the time of inspection. No evidence of failure noted.;	06/07/2023	No	Detention Basin	0		Private
Lindenwood Barraud Park Shoreline Restoration	16-0092.2	MEHAINE - 2023-06-08 08:27:24 -- Shoreline is growing in well. There are a few bare spots and there is a high wrack pile from a storm last month. Litter load is not excessive;	06/07/2023	No	Shoreline Management	0		Public
Lindenwood Barraud Park Shoreline Restoration	16-0092.3	MEHAINE - 2023-06-08 08:21:50 -- Shoreline is growing in well. There are a few bare spots and there is a high wrack pile from a storm last month. Litter load is not excessive;	06/07/2023	No	Shoreline Management	0		Public
Arcet Equipment Co.	T769.2	MEHAINE - 2023-06-08 08:37:19 -- Swale is old but in working order and maintained. No evidence of failure was present at the time of inspection.;	06/07/2023	No	Grass Channel	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Vulcan Construction Materials, L.P.	06-0121.1	MEHAINE - 2023-06-13 08:00:42 -- Pond is in good condition. Device shows evidence of regular maintenance with no signs of failure at the time of inspection.;	06/12/2023	No	Detention Basin	0		Private
Vulcan Construction Materials, L.P.	06-0121.2	MEHAINE - 2023-06-13 08:13:52 -- Pond is in good condition. Device shows evidence of regular maintenance with no signs of failure at the time of inspection.;	06/12/2023	No	Detention Basin	0		Private
Vulcan Construction Materials, L.P.	06-0121.3	MEHAINE - 2023-06-13 08:16:36 -- Pond is in good condition. Device shows evidence of regular maintenance with no signs of failure at the time of inspection.;	06/12/2023	No	Wet Pond	0		Private
Uncle Bob's Self Storage Expansion	08-0007.1	MEHAINE - 2023-06-13 08:31:41 -- Filterra is in good condition. No evidence of device failure was noted at the time of inspection.;	06/12/2023	No	Manufactured Treatment Device	0		Private
Gutterman Iron Works	08-0075.1	MEHAINE - 2023-06-13 08:39:04 -- Device is in working order and has been serviced recently. No evidence of device failure was noted at the time of inspection.;	06/12/2023	No	Manufactured Treatment Device	0		Private
Booker T. Washington Field House	14-0010.1	MEHAINE - 2023-06-12 15:11:35 -- Swale is in good condition. Area was maintained and there was no evidence of device failure at the time of inspection.;	06/12/2023	No	Grass Channel	0		School
Stormwater Pump Station 12	S70.1	MEHAINE - 2023-06-12 15:15:53 -- Separator appeared recently serviced. There was minimal trash and sediment in the structure at the time of inspection.;	06/12/2023	No	Manufactured Treatment Device	0		Public
Booker T. Washington High School & Lake Taylor H	T315.2	MEHAINE - 2023-06-13 08:47:02 -- Device has been serviced recently. No evidence of failure was noted at the time of inspection.;	06/12/2023	No	Manufactured Treatment Device	0		School
Titustown Recreation Center	00-4462.1	MEHAINE - 2023-06-21 09:31:27 -- Basin needs to be maintained. Vegetation has not been mowed this season.;	06/13/2023	No	Extended Detention Basin	0		Public
Trail of the Tiger Exhibit	07-0126.1	MEHAINE - 2023-06-21 08:52:02 -- Filters were replaced Jan 2023;	06/13/2023	No	Manufactured Treatment Device	0		Public
Pump Station 34 Replacement	10-0036.1	MEHAINE - 2023-06-21 09:43:39 -- Swale is maintained- no evidence of device failure noted at the time of inspection;	06/13/2023	No	Grass Channel	0		Public
Zoo-Animal Wellness Center	11-0082.1	MEHAINE - 2023-06-21 09:13:55 -- Basin is in good condition- no evidence of failure or lack of maintenance present at the time of inspection.;	06/13/2023	No	Detention Basin	0		Public
Zoo-Animal Wellness Center	11-0082.2	MEHAINE - 2023-06-21 09:19:02 -- Basin is maintained- no evidence of failure noted at the time of inspection;	06/13/2023	No	Detention Basin	0		Public
Zoo-Animal Wellness Center	11-0082.3	MEHAINE - 2023-06-21 09:22:05 -- Basin is in good condition- no evidence of failure noted at the time of inspection;	06/13/2023	No	Detention Basin	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
North Shore Road Living Shoreline	17-0023.1	MEHAINE - 2023-06-21 10:27:12 -- Shoreline is filling in nicely. Erosion was not noted at the time of inspection;	06/13/2023	No	Shoreline Management	0		Public
Hermitage Living Shoreline	17-0063.2	MEHAINE - 2023-06-21 10:38:13 -- Shoreline is in excellent condition.;	06/13/2023	No	Shoreline Management	0		Public
Lafayette Park Basin	S101.1	MEHAINE - 2023-06-21 08:48:14 -- Structure is well-vegetated, but sheetflow from contributing drainage area is not obstructed. overflow and outfall are clear.;	06/13/2023	No	Detention Basin	0		Public
NRHA CMD Facility	T99.1	MEHAINE - 2023-06-21 09:08:06 -- Basin is in excellent condition, area is maintained. No evidence of failure was present at the time of inspection.;	06/13/2023	No	Infiltration Practices	0		Public
EVMS Parking Lot	01-0176.1	MEHAINE - 2023-06-22 15:05:21 -- Storage and infiltration are in good condition. No evidence of failure or bypass was evident at the time of inspection.;	06/14/2023	No	Infiltration Practices	0		Private
Wawa Food Market	05-0046.1	MEHAINE - 2023-06-22 08:29:13 -- Filterra device requires maintenance. Remove sediment accumulations from inlet, treatment area and outfall.;	06/14/2023	No	Manufactured Treatment Device	0		Private
Wawa Food Market	05-0046.2	MEHAINE - 2023-06-22 08:21:41 -- Filterra device requires maintenance. Remove sediment accumulations from inlet, treatment area and outfall. ;	06/14/2023	No	Manufactured Treatment Device	0		Private
Wawa Food Market	05-0046.3	MEHAINE - 2023-06-22 08:32:24 -- Filterra device requires maintenance. Remove sediment accumulations from inlet, treatment area and outfall.;	06/14/2023	No	Manufactured Treatment Device	0		Private
Sentara Parking Garage Expansion	07-0042.1	MEHAINE - 2023-06-23 08:23:37 -- Swale is maintained. No evidence of failure noted at the time of inspection;	06/14/2023	No	Grass Channel	0		Private
Sentara Parking Garage Expansion	07-0042.2	MEHAINE - 2023-06-23 08:20:03 -- Swale is maintained. No evidence of failure noted at the time of inspection;	06/14/2023	No	Grass Channel	0		Private
Sentara Parking Garage Expansion	07-0042.3	MEHAINE - 2023-06-23 08:31:32 -- Lot is gravel. Corner is swaled to direct flow.;	06/14/2023	No	Grass Channel	0		Private
EVMS roadway widening	07-0090.1	MEHAINE - 2023-06-23 08:13:13 -- Minor mulch wash into the outfall but the device is in good condition with no evidence of ponding or failure at the time of inspection.;	06/14/2023	No	Bioretention	0		Private
Dunkin Donuts	08-0055.1	MEHAINE - 2023-06-22 07:44:58 -- Bioretention needs to be maintained. Remove sediment accumulation at curb cut to allow water flow, remove accumulated soil, mulch and debris in main treatment area. Stablilize any areas denuded by maintenance.;	06/14/2023	No	Bioretention	0		Private
EVMS Parking Garage Addition	09-0050.1	MEHAINE - 2023-06-22 14:58:11 -- Filterra is in good condition and has been maintained. No evidence of failure or bypass was noted at the time of inspection;	06/14/2023	No	Manufactured Treatment Device	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Dunkin Donuts	15-0051.1	MEHAINE - 2023-06-22 08:13:44 -- Bioretention is well maintained and showed no evidence of failure at the time of inspection;	06/14/2023	No	Bioretention 1	0		Private
EVMS Ed. & Admin. Bldg	18-0006.1	MEHAINE - 2023-06-22 10:20:27 -- Bioretention area is in excellent condition and well maintained. No evidence of failure noted at the time of inspection.;	06/14/2023	No	Bioretention 1	0		Private
Lyon Shipyard Building Addition	18-0064.1	MEHAINE - 2023-06-21 10:49:48 -- Storage facility was in excellent conditionat the time of inspection. Cotributing drainage area has been swept. There was no evidence of failure at the time of inspection.;	06/14/2023	No	Manufactured Treatment Device	0		Private
Calvert Square Site Improvements	T663.1	MEHAINE - 2023-06-26 07:59:12 -- Components have been located, device on Bagnall needs to be cameraed because of wheelchair ramp placement. ;	06/14/2023	No	Infiltration Practices	0		Public
Senior Housing Development	02-0158.1	MEHAINE - 2023-06-23 10:08:34 -- Basin is old but in relatively good condition. There is minimal litter in the basin and the actual structure appears sound. There is no evidence of structural compromise , overflow, water loss or other device failure at the time of inspection.;	06/15/2023	No	Wet Pond	0		Private
Suburban Park Redevelopment of Wards Corner	12.0039.2	MEHAINE - 2023-06-23 09:15:49 -- Filterra device has not been maintained. There is excessive sediment accumulation in the inlet and treatment area that must be removed. ;	06/15/2023	Yes	Manufactured Treatment Device	0		Private
Suburban Park Redevelopment of Wards Corner	12-0039.1	MEHAINE - 2023-06-23 09:05:41 -- Basin is in good condition, litter-free, with no evidence of failure or bypass at the time of inspection.; MEHAINE - 2023-06-23 09:09:09 -- There is an old sediment bag in the basin that must be removed and the denuded area stabilized.;	06/15/2023	Yes	Detention Basin	0		Private
Suburban Park Redevelopment of Wards Corner	12-0039.3	MEHAINE - 2023-06-23 09:25:05 -- Filterra device has not been maintained. There is excessive sediment accumulation in the inlet and treatment area that must be removed.;	06/15/2023	Yes	Manufactured Treatment Device	0		Private
Suburban Park Redevelopment of Wards Corner	12-0039.4	MEHAINE - 2023-06-23 09:26:00 -- Filterra device has not been maintained. There is excessive sediment accumulation in the inlet and treatment area that must be removed.;	06/15/2023	Yes	Manufactured Treatment Device	0		Private
Suburban Park Redevelopment of Wards Corner	12-0039.5	MEHAINE - 2023-06-23 09:28:40 -- Filterra device has not been maintained. There is excessive sediment accumulation in the inlet and treatment area that must be removed.;	06/15/2023	Yes	Manufactured Treatment Device	0		Private
Suburban Park Redevelopment of Wards Corner	12-0039.6	MEHAINE - 2023-06-23 09:31:14 -- Filterra device has not been maintained. There is excessive sediment accumulation in the inlet and treatment area that must be removed.;	06/15/2023	Yes	Manufactured Treatment Device	0		Private
The Ballentine Expansion	14-0074.1	MEHAINE - 2023-06-23 10:01:53 -- Device is maintained with no apparent accumulation;	06/15/2023	No	Manufactured Treatment Device	0		Private
Virginia Zoo Exhibit Building Renovation	17-0019.1	MEHAINE - 2023-06-23 08:43:09 -- Device is in good condition- vegetation has not been maintained this year. No evidence of failure or bypass was noted at the time of inspection;	06/15/2023	No	Bioretention 1	0		Public
Virginia Zoological Park, Phase I	T473.1	MEHAINE - 2023-06-23 08:57:10 -- Device was in good condition. No evidence of failure or overflow was noted at the time of inspection.;	06/15/2023	No	Sand Filter	0		Public

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Parking Lot	11-0032.1	MEHAINE - 2023-06-27 08:15:52 -- There has been approx. 6" of rainfall in the week previous to inspection. There is significant sediment accumulation in the contributing drainage area that needs to be removed. Pond to inlet is obstructed. There is still silt fence in the structures. Device needs to be pumped out/serviced.;	06/26/2023	No	Infiltration Practices	0		Public
Grandy Village-Phase V Site Improvements	12-0028.1	MEHAINE - 2023-06-27 08:30:52 -- Basin has been maintained- no evidence of device failure noted at the time of inspection.;	06/26/2023	No	Extended Detention Basin	0		Public
Parkdale Channel Improvements	15-0011.1	MEHAINE - 2023-06-27 07:54:01 -- There were no issues with the project at the time of inspection;	06/26/2023	No	Stream Restoration	0		Public
Archers Green Apartments	91067.006.1	MEHAINE - 2023-06-27 07:46:56 -- BMP is maintained;	06/26/2023	No	Infiltration Practices	0		Private
Archers Green Apartments	91067.006.2	MEHAINE - 2023-06-27 07:50:30 -- BMP is maintained;	06/26/2023	No	Infiltration Practices	0		Private
Parkdale Day School	91067.032.1	MEHAINE - 2023-06-27 07:57:17 -- There were no indications of device failure at the time of inspection;	06/26/2023	No	Infiltration Practices	0		Private
Norfolk Fitness and Wellness Center	T217.1	MEHAINE - 2023-06-27 08:02:22 -- No evidence of device failure was noted at the time of inspection;	06/26/2023	No	Detention Basin	0		Public
Pretlow Library	05-0105.1	MEHAINE - 2023-06-28 15:17:08 -- Minor sediment accumulation in the parking lot. No evidence of ponding or device failure at the time of inspection.;	06/27/2023	No	Infiltration Practices	0		Public
Crossroads Elementary Rebuild	10-0031.1	MEHAINE - 2023-06-29 13:32:20 -- Permeable pavement areas appear clean and fully functional. There is no evidence of device failure was noted at the time of inspection.;	06/27/2023	No	Permeable Pavement	0		School
Crossroads Elementary Rebuild	10-0031.2	MEHAINE - 2023-06-29 13:37:27 -- All green roof materials, rainwater harvesting barrels, and cisterns have been removed from the designated area on the school roof. There was no authorization for removal by Stormwater, nor is there any device present to act in the stead of the approved BMP devices.;	06/27/2023	No	Cisterns and Rain Barrels	0		School
Barraud Park Pump Station #153	14-0002.1	MEHAINE - 2023-06-29 13:25:35 -- Swale is regularly maintained. No evidence of device failure was noted at the time of inspection.;	06/27/2023	No	Dry Swale	0		Public
Barraud Park Pump Station #153	14-0002.2	MEHAINE - 2023-06-29 13:28:07 -- Pavement is clean. There is no evidence of ponding or runoff at the time of inspection.;	06/27/2023	No	Permeable Pavement	0		Public
5th-7th Bay Redevelopment	16-0013.2	MEHAINE - 2023-06-29 14:42:17 -- Device is clean. ;	06/27/2023	No	Infiltration 2	0		Private
5th-7th Bay Redevelopment	16-0013.3	MEHAINE - 2023-06-29 14:46:25 -- There has been >4" rainfall in the preceding 48 hrs before inspection. Device is clean and not showing signs of failure at the time of inspection.;	06/27/2023	No	Infiltration 2	0		Private

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Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
5th-7th Bay Redevelopment	16-0013.4	MEHAINE - 2023-06-29 14:50:23 -- There has been >4" rainfall in the preceding 48 hrs before inspection. Device is clean and not showing signs of failure at the time of inspection.;	06/27/2023	No	Infiltration 2	0		Private
Christopher Court	92067.043.1	MEHAINE - 2023-06-29 14:21:26 -- Device is not failing but there are several trees that need to be removed. Work has been scheduled. ;	06/27/2023	No	Detention Basin	0		Public
Ballentine Home	99-4169.1	MEHAINE - 2023-06-29 14:01:55 -- Area is well maintained. There was no evidence of any type of device failure at the time of inspection.;	06/27/2023	No	Infiltration Practices	0		Private
Norfolk Public Schools Transportation Operations	T107.1	MEHAINE - 2023-06-29 14:12:23 -- There has been >4" rainfall in the preceding 48 hrs before inspection. Device is not eroded or showing signs of failure at the time of inspection.;	06/27/2023	No	Detention Basin	0		School
Granby High School Renovations	T345.1	MEHAINE - 2023-06-29 13:44:14 -- Area was at field saturation. There has been >4" rainfall in the preceding 48 hrs before inspection. Device is not eroded or showing signs of failure at the time of inspection.;	06/27/2023	No	Infiltration Practices	0		School
Granby High School Renovations	T345.2	MEHAINE - 2023-06-29 13:52:38 -- Area was at field saturation. There has been >4" rainfall in the preceding 48 hrs before inspection. Device is not eroded or showing signs of failure at the time of inspection.;	06/27/2023	No	Infiltration Practices	0		School
Granby High School Renovations	T345.3	MEHAINE - 2023-06-29 13:55:41 -- Area was at field saturation. There has been >4" rainfall in the preceding 48 hrs before inspection. Device is not eroded or showing signs of failure at the time of inspection.;	06/27/2023	No	Infiltration Practices	0		School
Granby High School Renovations	T345.4	MEHAINE - 2023-06-29 13:49:24 -- Area was at field saturation. There has been >4" rainfall in the preceding 48 hrs before inspection. Device is not eroded or showing signs of failure at the time of inspection.;	06/27/2023	No	Infiltration Practices	0		School
Jack Rabbit Self-Storage	06-0115.1	MEHAINE - 2023-06-29 15:15:35 -- Device is maintained. There was no evidence of device failure or compromised function at the time of inspection.;	06/28/2023	No	Manufactured Treatment Device	0		Private
Jack Rabbit Self-Storage	06-0115.2	MEHAINE - 2023-06-29 15:18:26 -- Device is maintained. There was no evidence of device failure or compromised function at the time of inspection.;	06/28/2023	No	Grass Channel	0		Private
Norfolk Police Department Firearms Range	07-0009.1	MEHAINE - 2023-06-29 13:18:46 -- Device is clean, vegetation is minimal because of natural forest cover. Downspouts will need to be replaced because they are plastic and are degrading. No evidence of device failure was noted at the time of inspection.;	06/28/2023	No	Infiltration Practices	0		Public
5th-7th Bay Redevelopment	16-0013.5	MEHAINE - 2023-06-29 14:55:20 -- Device was in excellent condition with minimal sediment accumulation in the structure. Three of the 4 outfall emitters need to be replaced. There was no evidence of device failure or diminished function at the time of inspection.;	06/28/2023	No	Infiltration 2	0		Private
Sewells Point Elementary	20-0044.1	MEHAINE - 2023-06-29 15:10:32 -- Filterra device needs to be maintained. There is significant accumulation of sediment in the inlet and trash in the outfall curb inlet.;	06/28/2023	No	Manufactured Treatment Device	0		School
Sewells Point GC Entrance	S71.1	MEHAINE - 2023-06-29 15:00:11 -- Device is maintained. There was no evidence of device failure or compromised function at the time of inspection.;	06/28/2023	No	Detention Basin	0		Public

SWMF INSPECTIONS/REINSPECTIONS - FY2023

Site	SWMF ID #	Comments/Inspection Notes	Inspection Date	Maintenance Required	DCR Classification	Number of Reinspections	Last Reinspection	Owner Type
Sewells Point GC Entrance	S71.2	MEHAINE - 2023-06-29 15:02:52 -- Device is maintained but was not mowed at the same time as the adjacent device. There was no evidence of device failure or compromised function at the time of inspection.;	06/28/2023	No	Detention Basin	0		Public
Booker T. Washington High School & Lake Taylor H	T315.1	MEHAINE - 2023-06-29 15:21:30 -- Device is maintained. There was no evidence of device failure or compromised function at the time of inspection.;	06/28/2023	No	Manufactured Treatment Device	0		School
Zoo-Animal Wellness Center	11-0082.4	MEHAINE - 2023-06-30 07:12:35 -- Basin is landscaped as a demonstration area. There was no evidence of device failure or bypass at the time of inspection.;	06/29/2023	No	Detention Basin	0		Public
5th-7th Bay Redevelopment	16-0013.6	MEHAINE - 2023-06-29 14:35:10 -- Device lid was not functional;	06/29/2023	No	Manufactured Treatment Device	0		Public
Norfolk Fire Training Facility	19-0082.1	MEHAINE - 2023-06-29 15:27:26 -- Device is maintained. There was no evidence of device failure or compromised function at the time of inspection.;	06/29/2023	No	Compost Amendment	0		Public

UPDATED SWMF INFO - FACILITIES BROUGHT ONLINE FY2023																
Site Name	Street Number	Street Name	Site Area (ac)	Site Imperv Area (ac)	SWMF ID #	Owner Type	BMP Type	Drainage Area (ac)	Longitude	Latitude	BMP Maint. Agreement	Online Date	HUC	Discharges to MS4?	DEQ Impaired Waterways	Date of Last Inspection
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.1	Private	Bioretention- Micro 1	0.03	-76.30190382	36.86440037	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.2	Private	Bioretention- Micro 1	0.05	-76.30184794	36.86438263	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.4	Private	Bioretention- Micro 1	0.03	-76.30178054	36.86435275	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.6	Private	Bioretention- Micro 1	0.03	-76.30170128	36.86432265	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.8	Private	Bioretention- Micro 1	0.03	-76.30159863	36.86428018	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.10	Private	Bioretention- Micro 1	0.03	-76.30156096	36.86424848	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.12	Private	Bioretention- Micro 1	0.01	-76.30144796	36.8642559	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.7	Private	Bioretention- Micro 2	0.02	-76.30160103	36.86450441	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.14	Private	Bioretention- Micro 2	0.02	-76.30168036	36.86453212	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.3	Private	Bioretention- Micro 2	0.02	-76.30181565	36.8643701	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.5	Private	Bioretention- Micro 2	0.02	-76.30173949	36.86433529	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.9	Private	Bioretention- Micro 2	0.02	-76.30166913	36.86430535	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.11	Private	Bioretention- Micro 2	0.02	-76.30150812	36.86422841	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	7/19/2023
Subdivsion development plan	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.13	Private	Bioretention- Micro 2	0.02	-76.3014225	36.86431504	Yes	12/20/2022	JL56	Yes	Elizabeth River Mainstem - Middle	5/26/2023
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.3	Private	Cisterns and Rain Barrels	0.10	-76.25590749	36.90991418	Yes	7/29/2022	JL56	Yes	Lafayette River - Upper	8/9/2022
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.4	Private	Cisterns and Rain Barrels	0.10	-76.25581265	36.90989709	Yes	7/29/2022	JL56	Yes	Lafayette River - Upper	8/9/2022
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.5	Private	Cisterns and Rain Barrels	0.10	-76.25593204	36.90983984	Yes	7/29/2022	JL56	Yes	Lafayette River - Upper	8/9/2022
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.6	Private	Cisterns and Rain Barrels	0.10	-76.25582441	36.90982185	Yes	7/29/2022	JL56	Yes	Lafayette River - Upper	8/9/2022
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.2	Private	Cisterns and Rain Barrels	0.10	-76.255808	36.91000756	Yes	7/29/2022	JL56	Yes	Lafayette River - Upper	1/27/2023
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.1	Private	Cisterns and Rain Barrels	0.01	-76.28803586	36.88879664	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.2	Private	Cisterns and Rain Barrels	0.01	-76.28798723	36.88892231	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.3	Private	Cisterns and Rain Barrels	0.01	-76.28806828	36.88889597	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.4	Private	Cisterns and Rain Barrels	0.01	-76.2880781	36.88882752	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.2	Private	Cisterns and Rain Barrels	0.01	-76.2882309	36.88884485	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.4	Private	Cisterns and Rain Barrels	0.01	-76.28823781	36.88894809	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.3	Private	Cisterns and Rain Barrels	0.01	-76.28824571	36.888891	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.1	Private	Cisterns and Rain Barrels	0.01	-76.28817904	36.88883795	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	1/27/2023
Sidewalk Improvements	n/a	E Princess Anne Road (Shelton	0.28	0.17	21-0021.1	Public	Credit Offset	3.00	-76.22544673	36.87004421	No	7/12/2022	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	12/16/2022
Main Sail Phase II	8501	CHESAPEAKE BLVD	1.31	0.79	21-0074.1	Private	Credit Offset	0.00	-76.2441021	36.92996219	No	7/20/2022	JL57	Yes	Little Creek & Harbor	N/A-Credit Offset
Costco - ADA Upgrades	850	Glenrock Road	13.65	10.77	22-0027.1	Private	Credit Offset	0.41	-76.20027316	36.8518511	Yes	7/12/2022	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A-Credit Offset
Costco - ADA Upgrades	850	Glenrock Road	13.65	10.77	22-0027.2	Private	Credit Offset	1.27	-76.20035661	36.85193673	Yes	7/12/2022	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	5/3/2023
Tesla-Wawa	1146	N Military Highway	1.93	1.63	22-0058.1	Private	Credit Offset	1.93	-76.2095077	36.86116378	Yes	10/18/2022	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A- Credit Offset
Outer LTE Parking Lot Conversion	2200	Norview Ave	3.10	0.52	23-0007.1	Private	Credit Purchase	0.00	-76.20006	36.89525	No	4/11/2023	CB26	Yes	Lake Whitehurst (PWS)	5/30/2023
The Railyard - Hampton Blvd & W 23rd	n/a	Hampton Blvd and 26th Street	0.86	0.56	19-0099.2	Private	Credit Purchase	0.00	-76.30236368	36.87670149	No	7/20/2022	JL56	Yes	Elizabeth River Mainstem - Upper	6/6/2023
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	CB26	Yes	Little Creek & Harbor	2/1/2023
St. Paul's Redevelopment Block 17	401	Fenchurch Street	1.32	1.33	21-0068.4	Public	Credit Purchase	0.00	-76.2833	36.85016	No	3/21/2023	JL54	Yes	Eastern Branch, Elizabeth R. - Lower	N/A-Credit Purchase
U-HAUL WAREHOUSE	5620	Raby Road	2.33	1.95	22-0001.3	Private	Credit Purchase	0.00	-76.21367269	36.8601007	No	7/6/2022	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A-Credit Purchase
Royal Farms #471	6103	N. Military Highway	2.64	1.68	22-0002.2	Private	Credit Purchase	1.00	-76.22443	36.89488	No	1/24/2023	CB26	Yes	Lake Whitehurst (PWS)	N/A-Credit Purchase
LIV Norfolk Apts	6163	Kempsville Circle	8.21	6.78	22-0007.3	Private	Credit Purchase	0.00	-76.19352175	36.8499057	No	9/7/2022	JL54	Yes	Unsegmented estuaries in EBEMH	N/A-Credit Purchase
Norfolk Fire Station #11	2601	Lafayette Blvd	0.75	0.61	22-0012.3	Public	Credit Purchase	0.00	-76.25741	36.87529	No	10/28/2022	JL56	Yes	Lafayette River	N/A-Credit Purchase
Metronet	6242	Sewell's Point Road	0.20	0.08	22-0014.2	Private	Credit Purchase	0.00	-76.23869	36.89305	No	8/30/2022	JL56	Yes		N/A-Credit Purchase
Park Place Church - MultiFamily	500	W 34th St	1.90	0.91	22-0021.1	Private	Credit Purchase	0.00	-76.28879833	36.87800486	No	1/4/2023	JL56	Yes	Lafayette River - Upper	N/A-Credit Purchase
3 Single Family Homes	3121	Lyons Ave	0.09	0.01	22-0024.4	Private	Credit Purchase	0.00	-76.25472	36.87454	No	3/6/2023	JL56	Yes	Lafayetter River - Upper	N/A-Credit Offset
East Beach Marketplace	4231	E. Little Creek Rd.	1.21	0.99	22-0051.1	Private	Credit Purchase	0.00	-76.19435	36.91685	Yes	3/15/2023	CB26	Yes	Little Creek & Harbor	N/A-Credit Purchase
Colonial Townhouses	400-414	Carolina Ave	0.47	0.08	22-0074.2	Private	Credit Purchase	0.07	-76.28546	36.88074	No	3/10/2023	JL56	Yes		N/A-Credit Purchase
U-Haul Warehouse Addition	5620	Raby Road	2.33	1.96	22-0085.3	Private	Credit Purchase	0.00	-76.2133	36.86029	Yes	4/11/2023	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	N/A-Credit Purchase

UPDATED SWMF INFO - FACILITIES BROUGHT ONLINE FY2023																
Site Name	Street Number	Street Name	Site Area (ac)	Site Imperv Area (ac)	SWMF ID #	Owner Type	BMP Type	Drainage Area (ac)	Longitude	Latitude	BMP Maint. Agreement	Online Date	HUC	Discharges to MS4?	DEQ Impaired Waterways	Date of Last Inspection
1600 E. Little Creek Rd-Aldi	1600	E LITTLE CREEK ROAD	3.97	2.15	17-0093.1	Private	Detention Basin	3.36	-76.23094078	36.91728049	Yes	8/25/2022	CB26	Yes	Little Creek & Harbor	11/28/2022
Multi-Family Residential Development	3611	Colley Ave	0.41	0.15	21-0001.1	Private	Detention Basin	0.06	-76.29529538	36.87889562	Yes	11/10/2022	JL56	Yes	Knitting Mill Creek	2/28/2023
841 Redgate Ave - Site Improvements CHKD	841	REDGATE AVE	0.31	0.31	18-0004.1	Private	Grass Channel	0.10	-76.30234638	36.86407256	Yes	10/10/2022	JL56	Yes	Elizabeth River Mainstem - Middle	11/16/2022
Barry Robinson Center	443	KEMPSVILLE RD	27.15	5.29	21-0043.1	Private	Grass Channel	0.87	-76.19357226	36.8469813	Yes	3/30/2023	JL54	Yes	Unsegmented estuaries in EBEMH	6/6/2023
Berry Robinson Center - Sidewalk Revision	443	Kempsville Road	27.15	5.29	23-0036.1	Private	Grass Channel	0.87	-76.19311	36.8482	Yes	3/30/2023	JL54	Yes	Unsegmented estuaries in EBEMH	7/27/2022
EOV Basketball Ct.	9520	20th Bay Street	2.10	0.13	21-0060.1	Public	Infiltration 1	0	-76.19548415	36.92649672	No	8/16/2022	CB26	Yes	Little Creek & Harbor	8/22/2022
Norfolk Square Contractor's Office	884	NORFOLK SQUARE	0.49	0.30	17-0051.1	Private	Infiltration 2	0.41	-76.23343869	36.85236228	Yes	1/23/2023	JL54	Yes	Broad Creek, Eastern Br. Elizabeth R.	8/25/2022
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.5	Private	Infiltration Practices	0	-76.28798171	36.88882804	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.5	Private	Infiltration Practices	0	-76.28815122	36.88890934	Yes	7/18/2022	JL56	Yes	Lafayette River - Upper	7/27/2022
3011 E. Oceanview Ave	3011	E. Oceanview Ave	0.17	0.06	B22-00732	Private	Infiltration Practices	0.11	-76.20503537	36.93264865	Yes	1/30/2023	CB26	Yes	Little Creek & Harbor	1/27/2023
3021 E. Oceanview Ave	3021	E. Oceanview Ave	0.17	0.06	B22-01112.1	Private	Infiltration Practices	0.11	-76.20490284	36.93261029	Yes	1/30/2023	CB26	Yes	Little Creek & Harbor	12/7/2023
Single Family - Chesapeake Blvd	8216	Chesapeake Blvd	0.17	0.05	B22-03226.1	Private	Infiltration Practices	0.03	-76.24206822	36.92085154	Yes	6/12/2023	CB26	Yes	North Community Beach	6/12/2023
Single Family - Chesapeake Blvd	8216	Chesapeake Blvd	0.17	0.05	B22-03226.2	Private	Infiltration Practices	0.03	-76.24207404	36.92089553	Yes	6/12/2023	CB26	Yes	North Community Beach	6/12/2023
Devonshire Avenue Sidewalk Improvements	6431	Horton Circle	0.22	0.19	17-0047.3	Public	Manufactured BMP Systems	2.36	-76.24680905	36.896092	No	5/26/2023	JL56	Yes	Lafayette River - Upper	5/30/2023
Devonshire Avenue Sidewalk Improvements	6417	Devonshire Road	0.22	0.19	17-0047.2	Public	Manufactured BMP Systems	2.62	-76.24794094	36.89631259	No	5/26/2023	JL56	Yes	Lafayette River - Upper	5/30/2023
Johnstons Rd & SW Improvements	908	Craten Road	0.23	0.16	17-0048.1	Public	Manufactured Treatment Device	2.59	-76.24905409	36.90763909	No	5/26/2023	JL56	Yes	Lafayette River - Upper	2/28/2023
PABP APARTMENTS	1140	E. Princess Anne Road	3.94	3.20	19-0091.2	Private	Manufactured Treatment Device	2.82	-76.2706613	36.85631348	Yes	7/14/2022	JL54	Yes	Lafayette River - Upper	7/28/2022
PABP APARTMENTS	1140	E. Princess Anne Road	3.94	3.20	19-0091.1	Private	Manufactured Treatment Device	0.64	-76.27030838	36.8560528	Yes	7/14/2022	JL54	Yes	Lafayette River - Upper	7/28/2022
Granby Street Bike Bypass at Riverview	n/a	Zoo Drive and Live Oak Ave	1.30	0.54	20-0021.1	Public	Manufactured Treatment Device	4.68	-76.28020125	36.87733633	No	2/10/2023	JL56	Yes	Lafayette River - Upper	4/14/2023
Sewells Point Elementary	7928	Hampton Blvd	0.53	0.51	20-0044.1	School	Manufactured Treatment Device	0.12	-76.31530591	36.92294559	Yes	7/29/2022	JL56	Yes	Elizabeth River Mainstem - Mouth	8/9/2022
Harris Teeter Fuel	7726	Granby Street	1.47	0.89	20-0077.1	Private	Manufactured Treatment Device	0.92	-76.27154616	36.91772829	Yes	1/10/2023	JL57	Yes	Willoughby Bay (Less beach area)	11/15/2022
Store Space - Storage Unit Facility	7533	Sewells Point Rd	2.48	2.44	21-0007.1	Private	Manufactured Treatment Device	0.86	-76.24765297	36.91280045	Yes	2/6/2023	JL56	Yes	Lafayette Rover - Upper	2/28/2023
WEST 38TH STRTEET APARTMENTS CIVIL SITE PLANS	1045	38th Street	2.49	2.03	21-0029.1	Private	Manufactured Treatment Device	1.51	-76.30038675	36.87933725	Yes	8/16/2022	JL56	Yes	Knitting Mill Creek	7/25/2022
Norfolk Terminal Phase 1	600	Ford Drive	81.11	80.30	21-0033.1	Private	Manufactured Treatment Device	12.82	-76.24599016	36.83490647	Yes	7/8/2022	JL54	Yes	Eastern Branch, Elizabeth R. - Lower	4/27/2023
7-Eleven Site Improvements	1510	E Brambleton	0.65	0.57	21-0051.2	Private	Manufactured Treatment Device	0.00	-76.2704859	36.84691065	Yes	11/9/2022	JL54	Yes	Eastern Branch, Elizabeth R. - Lower	8/22/2022
Dollar Tree Hangar	1301	Miller Store Road	3.28	2.33	21-0063.1	Private	Manufactured Treatment Device	2.52	-76.19528116	36.89128537	Yes	1/26/2023	CB26	Yes	Lake Whitehurst (PWS)	2/1/2023
Market Heights Appartment Complex	630	Tidewater Drive	4.25	3.04	19-0060.1	Private	Permeable Pavement 1	1.39	-76.27641181	36.84855874	Yes	3/14/2023	JL54	Yes	Eastern Branch, Elizabeth River-Lower Middle	3/10/2023
The Lofts at Front Street	533	Front Street	6.98	4.21	19-0061.1	Private	Permeable Pavement 1	0.02	-76.30094654	36.854382	Yes	2/17/2023	JL56	Yes	Elizabeth River Mainstem - Upper	7/28/2022
Colonna's Shipyard Shafting Workshop	465	E. Indian River Road	1.15	1.07	21-0028.2	Private	Permeable Pavement 1	1.18	-76.27480458	36.83321974	Yes	12/9/2022	JL54	Yes	Eastern Branch, Elizabeth River-Lower Middle	8/31/2022
Lydia Roper House	127	E. 40th Street	0.17	0.02	21-0048.1	Private	Permeable Pavement 2	0.11	-76.2803055	36.88291704	Yes	1/30/2023	JL56	Yes	Lafayette River - Upper	10/31/2022
PLEASANT POINT LIVING SHORELINE	445	Pleasant Point Drive	0.53	0.00	20-0024.1	Public	Shoreline Management		-76.19621592	36.82981698	No	4/3/2023	JL54	Yes	Eastern Branch, Elizabeth R. - Upper	6/28/2023
Osprey Watch	3324	Miller Store Road	7.95	3.56	18-0028.1	Public	Wet Pond 1	16.77	-76.21278824	36.88636981	No	11/14/2022	CB26	Yes	Lake Whitehurst (PWS)	7/19/2023
Riverside Station Apartments	5827	CURLEW DRIVE	9.86	5.77	22-0035.1	Private	Wet Pond 1	1.86	76.20598916	36.8401687	Yes	4/26/2023	JL54	Yes	Unsegmented estuaries in EBEMH	5/3/2025

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

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 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 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 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 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

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Site Title	Street Number	Street Name	Total Site Area (ac)	Total Site Imperv 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	00-4332.1	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
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.3	Private	Infiltration Practices	0.14	-76.30342568	36.87977698	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

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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 Bolling 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	8/15/2008	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

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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	Sellger Drive	0.35	0.33	02-0170.1	Private	Bioretention	0.36	-76.20886789	36.83883175	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
Picadily 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
Picadily 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
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	8/3/2005	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

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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

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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	36.96375659	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

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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
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

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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	5.14	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	36.92159802	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	-76.29644687	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	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

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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

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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
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	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	36.83377051	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	36.84876011	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

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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	1/17/2007	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	36.8593238	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	-76.27146837	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

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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	06-0036.2	Private	Detention Basin	1.90	-76.18201527	36.85115325	Yes	3/19/2018	Active	JL54
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
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
Coleman Place Elementary School	2445	Palmyra Street	9.32	4.19	06-0059.1	School	Wet Pond	9.32	-76.24007566	36.86881011	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

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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			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			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

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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	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	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	36.86268275	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

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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	Dry Swale	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	Manufactured Treatment Device	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
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

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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	08-0008.3	Public	Permeable Pavement	2.49	-76.30443684	36.88225848	No	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		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	-76.30838181	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	-76.30725689	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

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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		-76.19470555	36.92066146	Yes	8/25/2015	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 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	-76.19499831	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		-76.19465564	36.92093522	Yes	5/23/2017	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		-76.19465325	36.92105833		12/11/2017	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
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

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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
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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	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	Public	Manufactured Treatment Device	0.56	-76.26007637	36.82516731	Yes	1/1/2011	Active	JL54

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Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.3	Public	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	Public	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	Public	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	Public	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	Public	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	Public	Manufactured Treatment Device	0.09	-76.25892243	36.82799494	Yes	1/1/2011	Active	JL54
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.40	09-0024.9	Public	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

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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
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	-76.28989137	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
Historic Fort Norfolk-South Hampton Avenue	830	Southampton Blvd/ Brambleton Ave side	0.00	0.00	10-0049.2	Public	Manufactured Treatment Device		-76.30455398	36.85924118	No	1/1/2012	Active	JL54
Historic Fort Norfolk-South Hampton Avenue	830	Southampton Blvd	0.00	0.00	10-0049.1	Public	Manufactured Treatment Device		-76.30520308	36.85809129	No	1/1/2012	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
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

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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	-76.29850105	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		-76.29969808	36.88924136	No	5/1/2013	Active	JL56

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Colley Bay Living Shoreline	5200	Hampton Blvd-Behind WHRO by Tennis Courts:	0.84	0.00	11-0048.2	Public	Shoreline Management		-76.29877076	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	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
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	13.5	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	13.5	12.07	11-0072.2	Private	Manufactured BMP Systems		-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	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

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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 Councourse	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	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	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	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	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	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
Suburban Park Redevelopment of	117	E LITTLE CREEK ROAD	8.37	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	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

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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
Outer LTE Parking Lot Conversion	2200	Norview Ave	3.10	0.52	23-0007.1	Private	Credit Purchase	0.00	-76.20006	36.89525	No	4/11/2023	Active	CB26
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	-76.28526218	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			13-0020.4	Private	Manufactured BMP Systems	0.12	-76.28458854	36.86384735	Yes		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	36.86738261	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	12/23/2020	Active	CB26
Bay Oaks Park	2300	E Ocean View Ave	12.27	2.22	13-0046.2	Public	Detention Basin	0.00	-76.21222895	36.93337295	No	12/23/2020	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

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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	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	0.00	0.00	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	0.00	0.00	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	-76.26030718	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	-76.27444242	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			14-0049.2	Private	Manufactured Treatment Device		-76.25320142	36.91426846		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	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	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

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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 Academy Master Plan Phase I	1585	Wesleyan Drive			14-0078.1	Private	Infiltration Practices	2.05	36.87503528	36.87503528	No	1/1/2017	Active	JL54
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
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

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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	1/1/2018	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	36.85588399	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	36.90798758	Yes	5/17/2017	Active	JL56
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.1	Private	Manufactured Treatment Device	0.11	-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	0.32	-76.27747427	36.86661549	No	12/12/2017	Active	JL56
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.3	Private	Manufactured Treatment Device	0.11	-76.27852639	36.86625946	No	12/12/2017	Active	JL56
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.4	Private	Manufactured Treatment Device	0.11			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

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Premium Outlets Boulevard	5992	Northampton Blvd	6.36	1.92	15-0043.3	Public	Manufactured Treatment Device	1.19	-76.19306217	36.87786026	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	Northampton Blvd	6.36	1.92	15-0043.5	Public	Manufactured Treatment Device	1.19	-76.1933774	36.87768615	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	Northampton Blvd	6.36	1.92	15-0043.4	Public	Manufactured Treatment Device	1.19	-76.19326912	36.87755666	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	Northampton Blvd	6.36	1.92	15-0043.6	Public	Manufactured Treatment Device	1.19	-76.19425875	36.87915067	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	Northampton Blvd	6.36	1.92	15-0043.7	Public	Manufactured Treatment Device	0.73	-76.19442896	36.87939554	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	Northampton Blvd	6.36	1.92	15-0043.9	Public	Manufactured Treatment Device	0.73	-76.19584858	36.88159153	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	Northampton Blvd	6.36	1.92	15-0043.10	Public	Manufactured Treatment Device	0.73	-76.19606446	36.88186359	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	Northampton Blvd	6.36	1.92	15-0043.8	Public	Manufactured Treatment Device	0.73	-76.19595699	36.88198073	No	9/25/2017	Active	JL54
Premium Outlets Boulevard	5992	NORTHAMPTON BOULEVARD	6.36	1.92	15-0043.1	Public	Manufactured Treatment Device	0.73	-76.19294039	36.87773253	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	-76.19499867	36.88028836	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	Private	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	
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	
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		Gosnold Ave and W 23rd St	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	800	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	800	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			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

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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
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	Private	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	Private	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	Private	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	Private	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			16-0016.1	Private	Credit Purchase		-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	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		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

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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	-76.2827219	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	36.92938086	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	
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	1011	SUNSET DRIVE	2.25	2.25	16-0048.1	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		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

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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
Newport Manor	601	36th St	0.57	0.47	16-0085.2	Private	Credit Purchase	0.00			No		Active	JL56
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
Lindenwood Barraud Park Shoreline	1136	Vista Street	5.04	0.00	16-0092.1	Public	Shoreline Management	7.46	-76.26692865	36.86796511	Yes	7/6/2021	Active	JL56
Lindenwood Barraud Park Shoreline	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
Lindenwood Barraud Park Shoreline	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	8/12/2018	Active	
Beach Avenue Living Shoreline		Beach Ave	2.42		16-0093.2	Public	Shoreline Management	0.27	-76.27600803	36.88103839	No	8/12/2018	Active	
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	36.93751669	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	-76.22398859	36.93749813	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	
Villa Circle Living Shoreline	2600	block of Villa Circle			16-0099.2	Public	Shoreline Management		-76.27372195	36.87373234	No	5/1/2019	Active	
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
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
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	
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

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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
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	36.85976312	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	
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	
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	17-0028.3	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
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
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	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

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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
Devonshire Avenue Sidewalk Improvements	6431	Horton Circle	0.22	0.19	17-0047.3	Public	Manufactured BMP Systems	2.36	-76.24680905	36.896092	No	5/26/2023	Active	JL56
Devonshire Avenue Sidewalk Improvements	6417	Devonshire Road	0.22	0.19	17-0047.2	Public	Manufactured BMP Systems	2.62	-76.24794094	36.89631259	No	5/26/2023	Active	JL56
Johnstons Rd & SW Improvements	908	Craten Road	0.23	0.16	17-0048.1	Public	Manufactured Treatment Device	2.59	-76.24905409	36.90763909	No	5/26/2023	Active	JL56
Norfolk Square Contractor's Office	884	NORFOLK SQUARE	0.49	0.30	17-0051.1	Private	Infiltration 2	0.41	-76.23343869	36.85236228	Yes	1/23/2023	Active	JL54
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	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	
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	
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	1640	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	1632	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

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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	17-0093.1	Private	Detention Basin	3.36	-76.23094078	36.91728049	Yes	8/25/2022	Active	CB26
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	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	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
841 Redgate Ave - Site Improvements CHKD	841	REDGATE AVE	0.31	0.31	18-0004.1	Private	Grass Channel	0.10	-76.30234638	36.86407256	Yes	10/10/2022	Active	JL56
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
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

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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	18-0019.3	Private	Manufactured Treatment Device	2.92	-76.24522013	36.9489494	Yes	1/8/2021	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
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
Osprey Watch	3324	Miller Store Road	7.95	3.56	18-0028.1	Public	Wet Pond 1	16.77	-76.21278824	36.88636981	No	11/14/2022	Active	CB26
1101 E Leiecester Avenue-3 lot SF	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 Leiecester Avenue-3 lot SF	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 Leiecester Avenue-3 lot SF	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 Leiecester Avenue-3 lot SF	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 Leiecester Avenue-3 lot SF	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
1101 E Leiecester Avenue-3 lot SF	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 Leiecester Avenue-3 lot SF	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
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	
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

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Reeves Avenue Substation Improvement	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		-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

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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
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

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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	19-0004.2	Private	Compost Amendment	0.42	-76.24968335	36.87212646	Yes	11/16/2020	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
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	
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.7	Private	Bioretention- Micro 2	0.02	-76.30160103	36.86450441	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.14	Private	Bioretention- Micro 2	0.02	-76.30168036	36.86453212	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.1	Private	Bioretention- Micro 1	0.03	-76.30190382	36.86440037	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.2	Private	Bioretention- Micro 1	0.05	-76.30184794	36.86438263	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.3	Private	Bioretention- Micro 2	0.02	-76.30181565	36.8643701	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.4	Private	Bioretention- Micro 1	0.03	-76.30178054	36.86435275	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.5	Private	Bioretention- Micro 2	0.02	-76.30173949	36.86433529	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.6	Private	Bioretention- Micro 1	0.03	-76.30170128	36.86432265	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.9	Private	Bioretention- Micro 2	0.02	-76.30166913	36.86430535	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.8	Private	Bioretention- Micro 1	0.03	-76.30159863	36.86428018	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.10	Private	Bioretention- Micro 1	0.03	-76.30156096	36.86424848	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.11	Private	Bioretention- Micro 2	0.02	-76.30150812	36.86422841	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.12	Private	Bioretention- Micro 1	0.01	-76.30144796	36.8642559	Yes	12/20/2022	Active	JL56
Subdivsion development plan 828 & 840 Redgate Ave	828,	840 REDGATE AVENUE	0.36	0.27	19-0026.13	Private	Bioretention- Micro 2	0.02	-76.3014225	36.86431504	Yes	12/20/2022	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
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

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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	19-0042.3	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
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	19-0042.1	Private	Wet Pond 1	10.10	-76.21802123	36.91398395	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				No	10/3/2019	Active	
Ocean View Pier 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	-76.23753586	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
Market Heights Appartment Complex	630	Tidewater Drive	4.25	3.04	19-0060.1	Private	Permeable Pavement 1	1.39	-76.27641181	36.84855874	Yes	3/14/2023	Active	JL54
The Lofts at Front Street	533	Front Street	6.98	4.21	19-0061.1	Private	Permeable Pavement 1	0.02	-76.30094654	36.854382	Yes	2/17/2023	Active	JL56
The Lofts at Front Street	533	Front Street	6.98	4.21	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		Kempsville Road at Poplar Hall Drive	5.77	0.13	19-0078.1	Private	Credit Offset	0.00	-76.19370907	36.85396573	No	1/10/2020	Active	
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	0.50	19-0082.2	Public	Credit Purchase	0.00	-76.27507525	-76.27507525	Yes	7/10/2020	Active	JL56
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 International Airport - Terminal C	2200	Norview Ave	8.15	3.11	19-0085.1	Private	Credit Purchase	0.00	-76.2044426	36.89810793	No	3/6/2020	Active	
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
PABP APARTMENTS	1140	E. Princess Anne Road	3.94	3.20	19-0091.2	Private	Manufactured Treatment Device	2.82	-76.2706613	36.85631348	Yes	7/14/2022	Active	JL54
PABP APARTMENTS	1140	E. Princess Anne Road	3.94	3.20	19-0091.1	Private	Manufactured Treatment Device	0.64	-76.27030838	36.8560528	Yes	7/14/2022	Active	JL54
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	n/a	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

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Granby Street Bike Bypass at Riverview	n/a	Zoo Drive and Live Oak Ave	1.30	0.54	20-0021.1	Public	Manufactured Treatment Device	4.68	-76.28020125	36.87733633	No	2/10/2023	Active	JL56
PLEASANT POINT LIVING SHORELINE	445	Pleasant Point Drive	0.53	0.00	20-0024.1	Public	Shoreline Management		-76.19621592	36.82981698	No	4/3/2023	Active	JL54
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 &	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	20-0037.5	Private	Credit Purchase	0.00	-76.22801598	36.86820885	No	7/20/2020	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	20-0037.3	Private	Manufactured Treatment Device	2.91	-76.22854106	36.86789704	Yes	6/8/2021	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		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		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
Sewells Point Elementary	7928	Hampton Blvd	0.53	0.51	20-0044.1	School	Manufactured Treatment Device	0.12	-76.31530591	36.92294559	Yes	7/29/2022	Active	JL56
E. Water Street Open Space		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	Active	JL54
E. Water Street Open Space	1119,	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	Active	JL54
E. Water Street Open Space	1119,1125,	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	20-0059.3	Private	Cisterns and Rain Barrels	0.10	-76.25590749	36.90991418	Yes	7/29/2022	Active	JL56
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.4	Private	Cisterns and Rain Barrels	0.10	-76.25581265	36.90989709	Yes	7/29/2022	Active	JL56
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.5	Private	Cisterns and Rain Barrels	0.10	-76.25593204	36.90983984	Yes	7/29/2022	Active	JL56
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.6	Private	Cisterns and Rain Barrels	0.10	-76.25582441	36.90982185	Yes	7/29/2022	Active	JL56
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
Green Clean	7442	Tidewater Drive	1.36	0.91	20-0059.2	Private	Cisterns and Rain Barrels	0.10	-76.255808	36.91000756	Yes	7/29/2022	Active	JL56
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	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	-76.18992037	36.92799608	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
Harris Teeter Fuel	7726	Granby Street	1.47	0.89	20-0077.1	Private	Manufactured Treatment Device	0.92	-76.27154616	36.91772829	Yes	1/10/2023	Active	JL57
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

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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	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	21-0001.1	Private	Detention Basin	0.06	-76.29529538	36.87889562	Yes	11/10/2022	Active	JL56
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
Store Space - Storage Unit Facility	7533	Sewells Point Rd	2.48	2.44	21-0007.1	Private	Manufactured Treatment Device	0.86	-76.24765297	36.91280045	Yes	2/6/2023	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	
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
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
Sidewalk Improvements	n/a	E Princess Anne Road (Shelton Ave to Fleetwood Ave)	0.28	0.17	21-0021.1	Public	Credit Offset	3.00	-76.22544673	36.87004421	No	7/12/2022	Active	JL54
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
Colonna's Shipyard Shafting Workshop	465	E. Indian River Road	1.15	1.07	21-0028.2	Private	Permeable Pavement 1	1.18	-76.27480458	36.83321974	Yes	12/9/2022	Active	JL54
WEST 38TH STRTEET APARTMENTS CIVIL SITE	1045	38th Street	2.49	2.03	21-0029.1	Private	Manufactured Treatment Device	1.51	-76.30038675	36.87933725	Yes	8/16/2022	Active	JL56
WEST 38TH STRTEET APARTMENTS CIVIL SITE	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	21-0030.1	Private	Credit Purchase	0.00	-76.18588614	36.85044608	Yes	7/1/2021	Active	JL54
Woodlawn Mausoleum	6309	E Virginia Beach Blvd	0.31	0.12	21-0030.2	Private	Dry Swale 1	0.19	-76.18604218	36.85043842	Yes	7/1/2021	Active	JL54
Norfolk Terminal Phase 1	600	Ford Drive	81.11	80.30	21-0033.1	Private	Manufactured Treatment Device	12.82	-76.24599016	36.83490647	Yes	7/8/2022	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
Lydia Roper House	127	E. 40th Street	0.17	0.02	21-0048.1	Private	Permeable Pavement 2	0.11	-76.2803055	36.88291704	Yes	1/30/2023	Active	JL56
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
7-Eleven Site Improvements	1510	E Brambleton Ave	0.65	0.57	21-0051.1	Private	Credit Purchase	0.00	-76.27070892	36.84689485	Yes	11/12/2021	Active	JL54
7-Eleven Site Improvements	1510	E Brambleton	0.65	0.57	21-0051.2	Private	Manufactured Treatment Device	0.00	-76.2704859	36.84691065	Yes	11/9/2022	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	-76.27575633	36.83371654	No	10/15/2021	Active	JL54
EOV Basketball Ct.	9520	20th Bay Street	2.10	0.13	21-0060.1	Public	Infiltration 1	0	-76.19548415	36.92649672	No	8/16/2022	Active	CB26
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
Dudley Ave Townhomes	601	Dudley Ave	1.07	0.84	21-0062.2	Private	Credit Purchase	0.36	-76.24877421	36.94239644	No	6/1/2022	Active	CB26

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Dollar Tree Hangar	1301	Miller Store Road	3.28	2.33	21-0063.1	Private	Manufactured Treatment Device	2.52	-76.19528116	36.89128537	Yes	1/26/2023	Active	CB26
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	Active	CB26
St. Paul's Redevelopment Block 17	401	Fenchurch Street	1.32	1.33	21-0068.4	Public	Credit Purchase	0.00	-76.2833	36.85016	No	3/21/2023	Active	JL54
Main Sail Phase II	8501	CHESAPEAKE BLVD	1.31	0.79	21-0074.1	Private	Credit Offset	0.00	-76.2441021	36.92996219	No	7/20/2022	Active	JL57
Royal Farms #471	6103	N. Military Highway	2.64	1.68	22-0002.2	Private	Credit Purchase	1.00	-76.22443	36.89488	No	1/24/2023	Active	CB26
LIV Norfolk Apts	6163	Kempsville Circle	8.21	6.78	22-0007.3	Private	Credit Purchase	0.00	-76.19352175	36.8499057	No	9/7/2022	Active	JL54
Norfolk Fire Station #11	2601	Lafayette Blvd	0.75	0.61	22-0012.3	Public	Credit Purchase	0.00	-76.25741	36.87529	No	10/28/2022	Active	JL56
Metronet	6242	Sewell's Point Road	0.20	0.08	22-0014.2	Private	Credit Purchase	0.00	-76.23869	36.89305	No	8/30/2022	Active	JL56
Park Place Church - MultiFamily	500	W 34th St	1.90	0.91	22-0021.1	Private	Credit Purchase	0.00	-76.28879833	36.87800486	No	1/4/2023	Active	JL56
3 Single Family Homes	3121	Lyons Ave	0.09	0.01	22-0024.4	Private	Credit Purchase	0.00	-76.25472	36.87454	No	3/6/2023	Active	JL56
Chenman Phase II	601	W 24th Street	1.42	1.22	22-0026.4	Private	Credit Purchase	0.00	-76.29292304	36.87167532	Yes	10/11/2021	Active	
Costco - ADA Upgrades	850	Glenrock Road	13.65	10.77	22-0027.1	Private	Credit Offset	0.41	-76.20027316	36.8518511	Yes	7/12/2022	Active	JL54
Costco - ADA Upgrades	850	Glenrock Road	13.65	10.77	22-0027.2	Private	Credit Offset	1.27	-76.20035661	36.85193673	Yes	7/12/2022	Active	JL54
Riverside Station Apartments	5827	CURLEW DRIVE	9.86	5.77	22-0035.1	Private	Wet Pond 1	1.86	76.20598916	36.8401687	Yes	4/26/2023	Active	JL54
East Beach Marketplace	4231	E. Little Creek Rd.	1.21	0.99	22-0051.1	Private	Credit Purchase	0.00	-76.19435	36.91685	Yes	3/15/2023	Active	CB26
Tesla-Wawa	1146	N Military Highway	1.93	1.63	22-0058.1	Private	Credit Offset	1.93	-76.2095077	36.86116378	Yes	10/18/2022	Active	JL54
Colonial Townhouses		400-414 Carolina Ave	0.47	0.08	22-0074.2	Private	Credit Purchase	0.07	-76.28546	36.88074	No	3/10/2023	Active	JL56
U-Haul Warehouse Addition	5620	Raby Road	2.33	1.96	22-0085.3	Private	Credit Purchase	0.00	-76.2133	36.86029	Yes	4/11/2023	Active	JL54
Berry Robinson Center - Sidewalk Revision	443	Kempsville Road	27.15	5.29	23-0036.1	Private	Grass Channel	0.87	-76.19311	36.8482	Yes	3/30/2023	Active	JL54
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	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	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	1/1/2004	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

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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	1.29	99-4224.1	Private	Detention Basin	0.95	-76.23312042	36.90874775	Yes	4/1/2000	Active	CB26
Lowe's	1081	N Military Highway	17.65	12.22	99-4237.1	Private	Wet Pond	12.47	-76.21217774	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
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.1	Private	Cisterns and Rain Barrels	0.01	-76.28803586	36.88879664	Yes	7/18/2022	Active	JL56
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.2	Private	Cisterns and Rain Barrels	0.01	-76.28798723	36.88892231	Yes	7/18/2022	Active	JL56
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.3	Private	Cisterns and Rain Barrels	0.01	-76.28806828	36.88889597	Yes	7/18/2022	Active	JL56
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.4	Private	Cisterns and Rain Barrels	0.01	-76.2880781	36.88882752	Yes	7/18/2022	Active	JL56
Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	0.12	0.06	B21-02440.5	Private	Infiltration Practices	0	-76.28798171	36.88882804	Yes	7/18/2022	Active	JL56
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.2	Private	Cisterns and Rain Barrels	0.01	-76.2882309	36.88884485	Yes	7/18/2022	Active	JL56
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.4	Private	Cisterns and Rain Barrels	0.01	-76.28823781	36.88894809	Yes	7/18/2022	Active	JL56
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.3	Private	Cisterns and Rain Barrels	0.01	-76.28824571	36.888891	Yes	7/18/2022	Active	JL56
Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.5	Private	Infiltration Practices	0	-76.28815122	36.88890934	Yes	7/18/2022	Active	JL56

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Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	0.12	0.06	B21-02453.1	Private	Cisterns and Rain Barrels	0.01	-76.28817904	36.88883795	Yes	7/18/2022	Active	JL56
3011 E. Oceanview Ave	3011	E. Oceanview Ave	0.17	0.06	B22-00732	Private	Infiltration Practices	0.11	-76.20503537	36.93264865	Yes	1/30/2023	Active	CB26
3021 E. Oceanview Ave	3021	E. Oceanview Ave	0.17	0.06	B22-01112.1	Private	Infiltration Practices	0.11	-76.20490284	36.93261029	Yes	1/30/2023	Active	CB26
Single Family - Chesapeake Blvd	8216	Chesapeake Blvd	0.17	0.05	B22-03226.1	Private	Infiltration Practices	0.03	-76.24206822	36.92085154	Yes	6/12/2023	Active	CB26
Single Family - Chesapeake Blvd	8216	Chesapeake Blvd	0.17	0.05	B22-03226.2	Private	Infiltration Practices	0.03	-76.24207404	36.92089553	Yes	6/12/2023	Active	CB26
John's Brothers Inc. Parking Lot and Wash	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	ColPlFlt1.1	Public	Manufactured Treatment Device	0.07	-76.28255087	36.88303625	No	1/2/2013	Active	JL56
Filterra	3988	OMOHUNDRO AVENUE	0.00	0.00	ColPlFlt1.2	Public	Manufactured Treatment Device	0.06	-76.28266244	36.88305749	No	1/2/2013	Active	JL56
Filterra	428	CAROLINA AVENUE	0.00	0.00	ColPlFlt2.1	Public	Manufactured Treatment Device	0.12	-76.30350478	36.87676824	No	1/1/2014	Active	JL54
Filterra	418	VIRGINIA AVENUE	0.00	0.00	ColPlFlt3.1	Public	Manufactured Treatment Device	0.16	-76.28579005	36.88134074	No	1/2/2013	Active	JL56
Filterra	400	37TH STREET	0.00	0.00	ColPlFlt4.1	Public	Manufactured Treatment Device	0.08	-76.28577705	36.8797966	No	1/7/2013	Active	JL56
Filterra	325	36TH STREET	0.00	0.00	ColPlFlt5.1	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	
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. Infiltration Basins.1	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. Infiltration Basins.2	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. Infiltration Basins.3	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. Infiltration Basins.4	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 Military Circle.1	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	
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	
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	
Lafayette Park Basin	3500	GRANBY STREET			S101.1	Public	Detention Basin		-76.2797819	36.87670136		1/1/2004	Active	JL56
Haven Creek Pathway	300	Llewellyn Avenue	0.69		S102.1	Public	Shoreline Management		-76.28365981	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			S105.2	Public	Detention Basin		-76.23590951	36.87901206	No	1/1/2004	Active	JL56
MCNUTT COURT POND		McNutt Court			S105.1	Public	Detention Basin		-76.23707834	36.87933827	No		Active	JL56
Utilities Combined Ops	1316	Ballentine Blvd			S106.1	Public	Extended Detention Basin		-76.24753231	36.85636227	No	1/1/2004	Active	JL54
Utilities Combined Ops	1316	Ballentine Blvd			S106.2	Public	Extended Detention Basin		-76.24758206	36.85693559	No	1/1/2004	Active	JL54

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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	36.84865961	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	
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	
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
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	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
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	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

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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	36.87649499	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 Prencinct 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	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	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

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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	1111	Park Ave	12.38	2.03	T315.2	School	Manufactured Treatment Device	0.34	-76.27078935	36.8545669	Yes	1/1/1997	Active	JL54
Booker T. Washington High School & Lake	1384	Kempsville Road	35.84	2.87	T315.1	School	Manufactured Treatment Device	0.71	-76.20019631	36.86833351	Yes	10/29/1996	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	36.83561438	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	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

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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
Moran Towing of Virginia, Inc.	1901	Brown Avenue	0.03	0.03	T450.1	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	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	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	
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 /	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

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Calvert Square Community Center	900	Bagnall Road	2.50	0.55	T540.1	Public	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	36.86511688	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	-76.22149036	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	-76.29168591	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	Public	Infiltration Practices	0.14	-76.27771068	36.85438197	No	1/1/1999	Active	JL56

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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	36.83455528	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	36.87218514	No	4/1/2005	Active	JL54
Merrimac Landing Apartments (off site	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	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	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	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	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	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	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	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	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

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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
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	n/a	51St Street & Killam Avenue		0.00	V1.1	Public	Shoreline Management		-76.29803148	36.88937708	No	5/1/2010	Active	JL56
The Railyard- Hampton Blvd & W 23rd	n/a	Hampton Blvd and 26th Street	0.86	0.56	19-0099.2	Private	Credit Purchase	0	-76.30236368	36.87670149	No	7/20/2022	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 - FY2023

Event Type	Event Location	Event Description	Presenter	Start Date	End Date	Total # Hours	Number Attending
Civic League Mtg	Lake Taylor Hospital/Rehab, 1310 Child Care Ct,. Norfolk	Norfolk Federation of Civic Leagues	Eric Berger	07/14/2022	07/14/2022	2.00	15
Public Outreach	Citywide	HRUBS Insert - Pet Waste	Michelle Williams	08/01/2022	08/31/2022		25,000
Community Events	Youngs Terrace Community Center	National Night Out	Michelle Williams	08/03/2022	08/03/2022	5.00	
Community Events	Northside Park	Neighborhood Expo	Michelle Williams	09/17/2022	09/17/2022	4.00	
Community Events	Southside STEM Academy - Campostella	Back to School Event	Michelle Williams	08/27/2022	08/27/2022	4.00	200
Public Outreach	Social Media	Grass Clippings Campaign	Michelle Williams	05/20/2022	07/01/2022		
Public Outreach	Social Media	Grass Clippings Campaign	Michelle Williams	07/08/2022	08/01/2022		
Public Outreach	Social Media	Illicit Discharge	Michelle Williams	07/15/2022			
Public Outreach	Social Media	Pet Waste	Michelle Williams	07/22/2022			
Public Outreach	Citywide	HRUBS ENewsletter Pet Waste	Michelle Williams	08/01/2022	08/31/2022		20,000
Public Outreach	Citywide	HRUBS Insert - Leaves	Michelle Williams	10/01/2022	10/31/2022		20,000
Public Outreach	Citywide	HRUBS Insert - HHW/ Hurricane Tips	Michelle Williams	09/01/2022	09/30/2022		20,000
Public Outreach	Citywide	HRUBS ENewsletter	Michelle Williams	09/01/2022	09/30/2022		20,000
Public Outreach	Facebook, Twitter, Nextdoor, Website Newsflash	Street Sweeping Reminder Post	Parking Division	10/05/2022			
Schools	YellowHub School, Block around Granby YMCA (2901 Granby St.)	Storm Drain Medallion Marking Program	Michelle Williams	10/06/2022	11/06/2022		45
Public Outreach	Lafayette Park	Arbor Day	Justin Shafer	10/08/2022	10/08/2022	2.00	100
Public Outreach	Larchmont Library	Richmond_Surrey Crescent Resident Meeting	John White/Chuck Joyner/Michelle Williams	09/21/2022	09/21/2022	2.00	35
Civic League Mtg	Mt Olive Baptist Church	Lindenwood CivicLeague Meeting	Justin Shafer	09/21/2022	09/20/2022	1.00	25
Schools	Little Creek Elementary	Reading "I Can Save the Ocean!" and short program	Michelle Williams	10/31/2022	10/31/2022	5.00	120
Schools	Yellow Hub School, Granby YMCA	Stormwater Infrastructure/Vactor Truck	Michelle Williams/ KT Smith	11/14/2022	11/14/2022	2.50	52
Public Outreach	8150 Shore Dr	Marina Villa	Michelle Williams	12/19/2022			75
Public Outreach	4524 Dunning Rd	Cobb's Marina	Michelle Williams	12/20/2022			75
Public Outreach	Social Media	Leaf Campaign	Michelle Williams	10/18/2022	12/15/2022		
Public Outreach	Citywide	HRUBS Insert - Illicit Discharge	Michelle Williams	02/01/2023	02/28/2023		20,000
Public Outreach	Storm Water Office	Tree Giveaway	Michelle Williams	12/20/2022	12/22/2022		55
Public Outreach	Storm Water Office	Tree Giveaway	Michelle Williams	01/26/2023	01/31/2023		75
Schools	1335 Longdale Dr.	Tanners Creek Elementary Career Day	Michelle Williams/Vactor	03/23/2023	03/23/2023	3.00	250
Conference	East Ocean View Community Center	Living Shoreline Essentials Workshop for Chesapeake Bay Landscape Professionals	Justin Shafer	03/10/2023	03/10/2023	2.00	40
Public Outreach	Hermitage Museum	Living Shorelines for Norfolk Master Gardener students	Justin Shafer	03/28/2023	03/28/2023	2.00	30
Other	2233 McKann Ave	Storm Water Day	Michelle Williams	03/20/2023	03/20/2023	1.00	103
Community Events	Norfolk Prime Outlets	Earth Day	Michelle Williams	04/22/2023	04/22/2023	3.00	250
Public Outreach	Broad Creek	New Resident Packets	Michelle Williams	04/01/2023			50
Schools	7600 Halprin Dr. Norfolk, VA 23518	Larrymore Elementary School Career Day	Michelle Williams/Vactor Crew	04/04/2023	04/04/2023	5.00	350
Schools	Suburban Park Elementary	School Career Day	Vactor Crew (Tim & Dwayne)	04/25/2023	04/25/2023	4.00	350
Schools	Lindenwood Elementary School	School Career Day	Peter Mack	04/19/2023	04/19/2023	3.00	300
Public Outreach	Attucks/Barberton	Street Sweeping	Michelle Williams	04/24/2023		2.00	50
Community Events	Hague School	Hague Stormwater Structure and Litter	Michelle Williams	04/28/2023	04/28/2023	2.00	25
Public Outreach	Social Media, YouTube, TV48, TV48	Street Sweeping Video	Michelle Williams	05/13/2023			
Public Outreach	City-wide	HRUBS Insert - Grass Clippings	Michelle Williams	06/01/2023	06/30/2023		
Schools	W. H. Taylor Elementary School	Truck Day	Michelle Williams/Vactor Crew	06/02/2023	06/02/2023	3.00	300
Public Outreach	Social Media - Fb, Twitter, Nextdoor, YouTube	Grass Campaign Kick-off	Michelle Williams	06/01/2023			
Public Outreach	Citywide	Spanish Rack Cards - Grass Clippings, Carpet Cleaning, General Services Door Hanger	Michelle Williams	06/01/2023			
Community Events	Lindenwood Elementary	Lindenwood Elementary Green Infrastructure Tour	Justin Shafer	06/03/2023	06/03/2023	3.00	100

2022-2023

ANNUAL REPORT

askHRgreen.org

EE23-01

HAMPTON ROADS PLANNING DISTRICT COMMISSION

CHESAPEAKE
Amanda Newins
Debbie Ritter
Ella Ward
Christopher Price
Brian Solis

FRANKLIN
Gregory McLemore
Amanda Jarratt

GLOUCESTER COUNTY
Phillip Bazzani
Carol Steele

HAMPTON
Steve Brown
Donnie Tuck
Mary Bunting

ISLE OF WIGHT COUNTY
Joel Acree
Randy Keaton, Treasurer

JAMES CITY COUNTY
Michael Hipple
Scott Stevens

NEWPORT NEWS
Phillip Jones
Cleon Long
VACANT

NORFOLK
Kenneth Alexander
Courtney Doyle
Andria McClellan
Danica Royster
Patrick Roberts

POQUOSON
Gordon Helsel
Randall Wheeler

PORTSMOUTH
Shannon Glover, Vice-Chair
Mimi Terry

SMITHFIELD
Steven Bowman
Michael Stallings

SOUTHAMPTON COUNTY
William Gillette
Brian Thrower

SUFFOLK
Leroy Bennett
Albert Moor

SURRY COUNTY
Robert Elliott
Melissa Rollins

VIRGINIA BEACH
Robert Dyer
Barbara Henley
Amelia Ross-Hammond
Joash Schulman
Chris Taylor
Sabrina Wooten
Patrick Duhaney

WILLIAMSBURG
Douglas Pons, Chair
Andrew Trivette

YORK COUNTY
Sheila Noll
Neil Morgan

Robert A. Crum, Jr., Executive Director/ Secretary

EE23-01

Report Documentation

TITLE:
askHRgreen.org Annual Report for Fiscal Year 2022-2023

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GRANT/SPONSORING AGENCY
Local Funds

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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 2022-2023. 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 2023, approved by the Commission in May 2022.

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 assists localities in meeting education requirements of water supply and ground water permits as well as increasing public awareness of the vital role water plays in the quality of life of Hampton Roads and the need to conserve it.

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.

2022-2023
by the numbers

@askHRgreen
3,041

@askHRgreen
659

eNews Subscribers
6,744

over **24 million** opportunities to see or hear about askHRgreen.org

166,589 visits to askHRgreen.org

community events with over **205,154** people in attendance

BAY STAR PROGRAMS

3,824 homes

79 businesses

3,572 students impacted by **$4,289** in environmental education mini grants

$13,500 grant funding for special projects

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 FY23, we saw a 15% increase in website traffic over FY22 and a 9% increase in webpage views. The majority of web traffic continues to be new visitors, demonstrating the growing awareness and effectiveness of our outreach efforts.

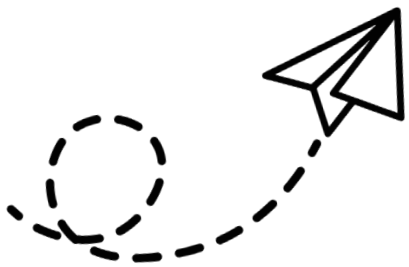
	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17	2015-16	2014-15	2013-14	2012-13	TOTAL
Visits	**166,589**	144,282	88,544	73,379	58,893	55,735	58,113	52,530	58,279	55,505	32,697	**844,546**
Unique Visitors	**155,636**	130,929	77,212	63,146	49,816	45,661	46,282	42,539	46,994	43,547	25,092	**726,854**
Pageviews	**206,511**	188,867	125,529	117,463	86,538	93,589	92,681	93,177	103,228	116,818	72,270	**1,296,671**
Pages per Visit	1.24	1.31	1.42	1.60	1.47	1.68	1.59	1.77	1.77	2.10	2.21	
Average Visit Duration	0:28	0:38	0:55	1:02	1:03	1:27	1:12	1:32	1:26	1:48	2:10	
Bounce Rate	89%	87%	83%	79%	81%	77.31%	79.07%	74.92%	74.80%	64.37%	61.27%	
% New Visits	93%	90%	87%	86%	84%	81.48%	79.62%	80.44%	79.87%	77.74%	75.50%	
Mobile Devices	75%	71%	57%	58%	57%	54%	53%	40%	39%	34%	5,100	
Desktop Devices	25%	29%	43%	42%	43%	46%	47%	60%	61%	66%	27,597	

AVERAGE
566 PAGES
VIEWED/DAY

Even after last year's tremendous growth, our traffic continues to go up, with a 15% increase over FY21-22. Again, the majority of traffic continues to be new visitors, and with 10 campaigns (one eight months long), we're continuing to attract new audiences and grow awareness.

Top Website Traffic Sources & Pages Visited

53.66% Direct
23.29% Organic Search
18.82% Other (Paid Search)
2.60% Social
1.62% Referral
0.01% Email

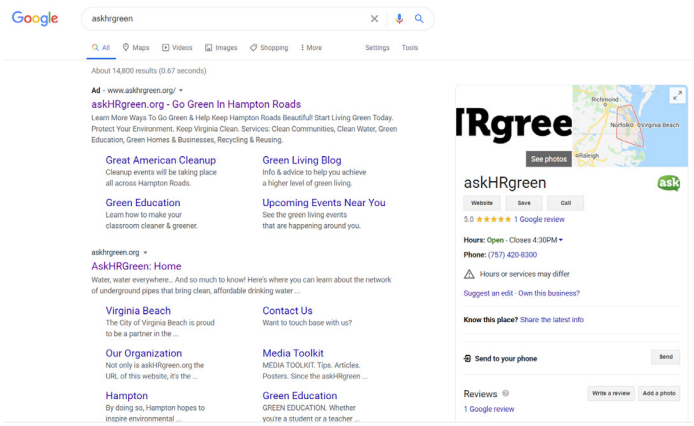


TOP TWENTY VISITED PAGES

12,610 My Bookmarks
10,185 Home
8,859 Good to Know/Do: Recycling Lookup
6,155 Good to Know/Do: Recycling Donating
4,913 Good to Know/Do: Start Smart, Recycle Right
4,861 Good to Know/Do: Recycling Lookup - Virginia Beach
3,580 Events
3,416 Good to Know/Do: Plant Native Plants
3,123 Blog Article: The One Thing You Can't Live Without
3,085 Good to Know/Do: Single-Use Plastic
2,615 Good to Know/Do: Illegal Dumping
2,540 Program: Great American Cleanup
2,376 Good to Know/Do: How to Dispose of Household Hazardous Waste
2,215 Good to Know/Do: Recycling Lookup - Norfolk
2,125 Good to Know/Do: Lawn & Garden Best Practices
2,092 Good to Know/Do: Battery Disposal
2,072 Good to Know/Do: Recycling Lookup - Chesapeake
1,908 Good to Know/Do: Living on the Water
1,878 Good to Know/Do: Recycling Lookup - Hampton
1,833 Good to Know/Do: Recycling Lookup - Newport News

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 FY23, we had more than 216,000 Google search impressions. Those searches drove over 20,000 clicks to relevant content on the askHRgreen.org website. That equates to an incredible click-thru-rate (CTR) of 9.28%.



Search Engine Marketing Results

	2022-23	2021-22	2020-21	2019-20	2018-19	2017-18	2016-17
Impressions	**216,247**	274,428	376,459	342,690	210,695	169,140	107,920
Clicks	**20,040**	21,771	16,103	12,449	11,087	7,330	4,226
Click Thru Rate (CTR)	**9.28%**	7.93%	4.28%	3.63%	5.26%	4.33%	3.92%

Top 10 Keyword Ad Groups

	Impressions	Clicks	Click Thru Rate
Recycling at Home	54,659	5,106	10.05%
Native Plants	49,712	3,021	4.22%
Electronics Disposal	32,771	5,927	15.15%
Lawn Care	31,235	1,636	3.81%
Tap Water	8,055	412	6.63%
Battery Disposal	7,480	1,133	10.64%
Medication Disposal	6,191	1,075	12.41%
TMDL	3,666	52	2.56%
Fertilizer Tips	3,322	177	2.79%
Soil Testing	3,164	177	4.56%

2022-2023 ACTIVITY CALENDAR

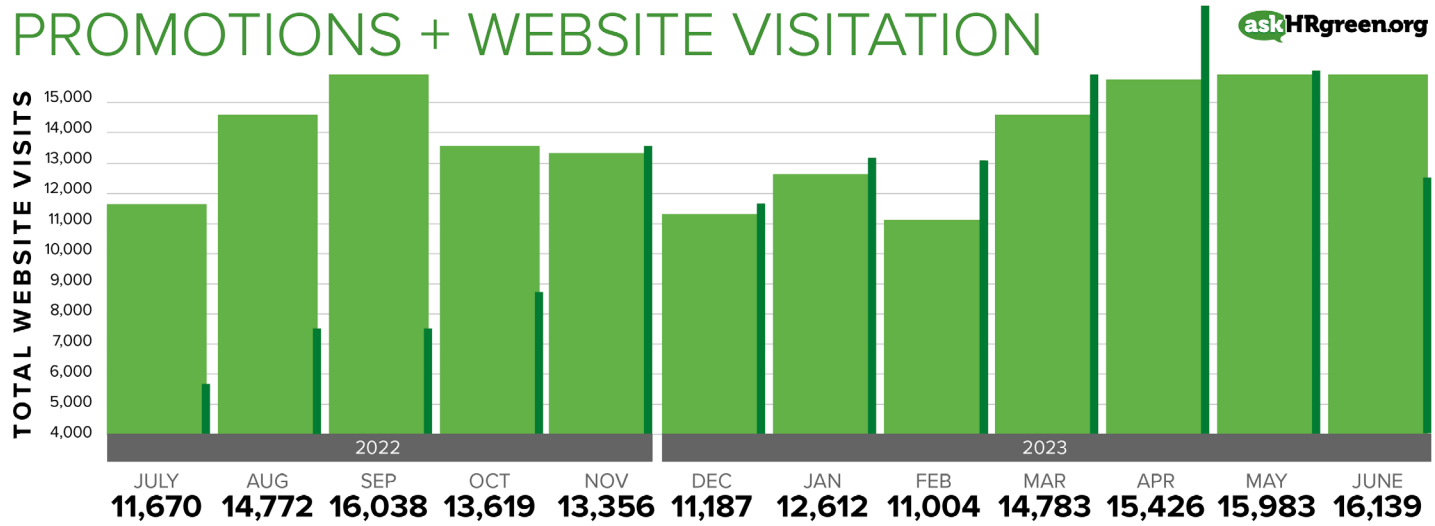
askHRgreen.org

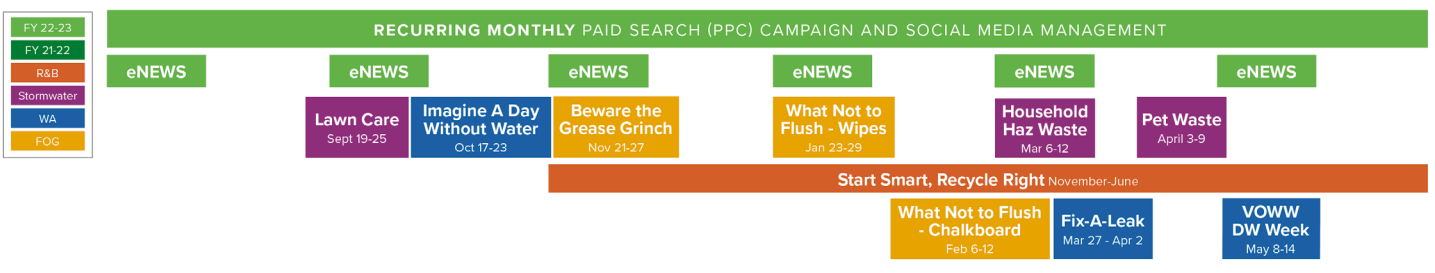
COMMITTEE	CAMPAIGN	MEDIA	JULY	AUG	SEPT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE
STORMWATER	Lawn Care	TV, R, O, S												
WATER AWARENESS	Imagine A Day Without Water	TV, AT, R, O, S												
R&B	Start Smart, Recycle Right	TV,AT,PV,R,O,S												
FOG	Grease Grinch	TV, R, O, S												
FOG	What Not To Flush - Wipes	TV, AT, R, O, S												
FOG	What Not To Flush - Chalkboard	TV, AT, R, O, S												
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 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

askHRgreen.org





Spreading LOVE Around Hampton Roads

Inspired by the iconic Virginia LOVE signs, askHRgreen.org and partner TFC Recycling placed a call for artists in the fall of 2022 to find a local talent to create a recycling-themed LOVE sign as part of the "Start Smart, Recycle Right" public awareness campaign. The Start Smart, Recycle Right campaign encourages residents to create less waste and recycle only those items accepted in their local recycling program – most often paper, plastic bottles, and metal cans. Tom Shirk and his students from Suffolk Public Schools' College & Career Academy at Pruden were selected as the winning team for this unique art challenge. They received a $2,500 stipend to cover costs for materials along with recyclable materials to complete the sculpture.

Mr. Shirk and his students welded materials to create their LOVE letters and included a beautiful red heart-shaped O to bring it all together. The final 8'x5' see-through design was filled with recyclable beverage cans and plastic bottles and secured with a lightweight mesh to tie the whole concept together. The LOVE sig is now traveling across Hampton Roads making stops at local events and is on display in public places to help inspire meaningful conversations about the importance of recycling right. You can follow the LOVE sign and find out where it will stop next at askhrgreen.org/recycling-is-for-lovers.



Thursday, September 1, 2022 | 9

thedailybreak

Artists needed for 'LOVE' recycling project

By Everett Eaton
Staff Writer

AskHRGreen is offering artists an opportunity to pitch an idea for a Virginia LOVE sign that encourages Hampton Roads residents to recycle.

The LOVE sign must be transportable and good for indoor or outdoor use — if it can't fit in an SUV or truck, it's too big.

Semifinalists will meet with a selection committee to talk about their projects, and the winner will get a $2,500 stipend to cover the materials, build and travel expenses.

The designs should represent the Start Smart, Recycle Right campaign, which encourages proper recycling such as buying recyclable items and rinsing out food waste in containers before putting them in bins.

The designs do not need to include recycled materials, but if they do, askHRGreen will provide cans, bottles and other materials for free.

Recycling properly is an important part of sustainability, said Katie Cullipher, an askHRGreen team leader. Recycling items not meant for curbside recycling makes waste management workers' jobs more difficult and slows the process. Grocery store plastic bags are an example of non-recyclable curbside plastic. The bags can damage the machinery because they get tangled in the moving parts.

"Recycling helps to reduce energy consumption, save natural resources and decrease waste," Cullipher said. "It is good for communities as long as the right items are placed in the bin."

Visit askHRGreen.org for a list of what is recyclable in your area.

Everett Eaton, 262-902-7896, everett.eaton@virginiamedia.com

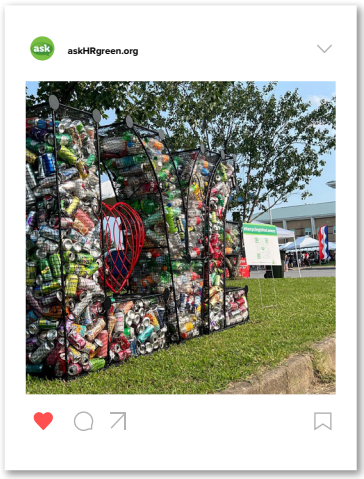
Artists needed for 'LOVE' recycling project

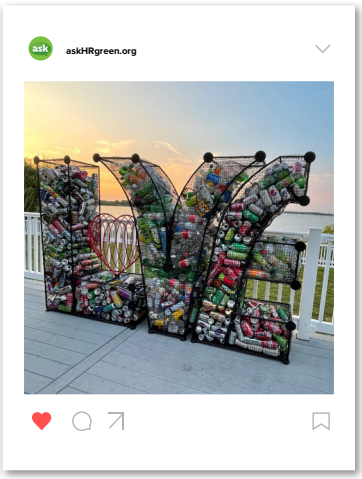
AskHRGreen is calling for artists to submit ideas for a smaller but similar "LOVE" sign that promotes recycling. The deadline for submissions is Oct. 7. This sign is at the New Kent County Welcome Center. **COURTESY**

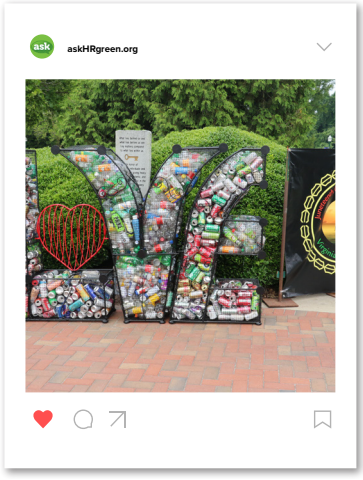
HOW TO SUBMIT

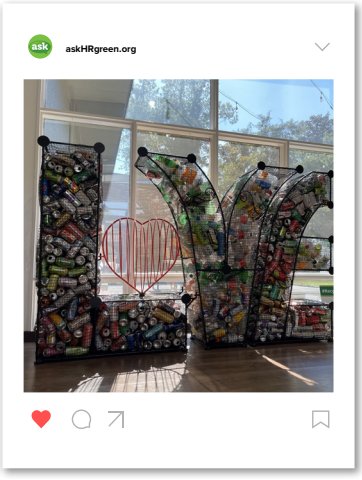
Online proposals can be sent via email to hrgreen@hrpdcva.gov
Mailed or delivered to 723 Woodlake Drive, Chesapeake, 23320
Deadline: 2 p.m., Oct. 7
Winner announcement: Nov. 15
Project completion deadline: March 31, 2023











Community Outreach

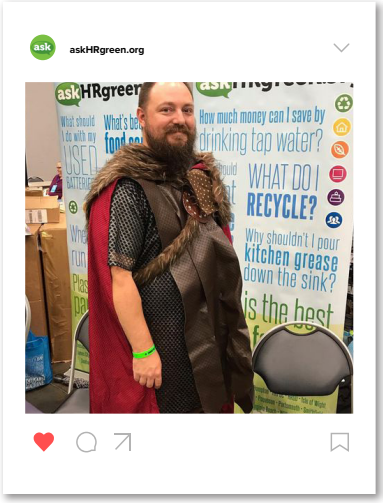
Events

askHRgreen.org has a strong public engagement program which consists of participating in local community events throughout the year. The focal point of this participation is the askHRgreen.org educational trailer. The askHRgreen.org trailer has become a sought-after addition to many community events and a trusted resource for event organizers and guests alike. The benefit of having the askHRgreen.org trailer is that it comes filled with a variety of resources from informational brochures to eco-themed promotional items such as reusable shopping bags, sink strainers, shower timers, dog waste bag holders, and more. In FY23, events finally reached the pre-pandemic norm and the askHRgreen.org team was able to participate in 26 diverse community events. In total, 200,154 people had the opportunity to see askHRgreen.org at an event in their community with most events utilizing the askHRgreen.org trailer.

2022-2023 Community Events			Estimated Attendance
7/22	TGIF Summer Series	Suffolk	700
8/19	TGIF Summer Series	Suffolk	400
9/15-9/18	Isle of Wight County Fair	Windsor	32,455
9/24	VBMG Fall Gardening Festival	Virginia Beach	1,800
9/27-9/28	Virginia Marine Debris Summit	Virginia Beach	100
10/5-10/9	Peanut Festival	Suffolk	100,000
10/14-10/16	Poquoson Seafood Festival	Poquoson	45,000
10/29	Lynnhaven River Now Treetopia	Virginia Beach	500
11/5	Mariners' Park Fall Festival	Newport News	3,000
11/10	Virginia Beach Public Works	Virginia Beach	550
11/19	Litter & Recycling Expo	James City County	159
1/7-1/8	Hampton Roads Home Show	Hampton	4,000
1/28-1/29	Mid Atlantic Home & Outdoor Living Show	Virginia Beach	5,000
3/20	Norfolk Stormwater Day	Norfolk	125
3/21-3/22	Virginia Green Travel Conference	Chesapeake	220
4/8	Yorktown Go Green Market	Yorktown	600
4/15	Tradition Brewing Earth Day	Newport News	125
4/15	Hidenwood Presbyterian Spring Festival	Newport News	150
4/19	NASA Earth Day	Hampton	75
4/22	Virginia Living Museum Earth Day	Newport News	970
4/22	Earth Day at Mount Trashmore	Virginia Beach	2,200
4/28	Anheuser Busch Environmental Fair	James City County	300
5/2	APWA Convention Equipment Rodeo	Hampton	250
5/20	Virginia Zoo Party for the Planet	Norfolk	1,400
5/20-5/21	Tidewater Comicon	Virginia Beach	5,000
6/2	Newport News Waterworks Safety Day	Newport News	75
Total			**205,154**









Bay Star Homes

The Bay Star Homes program grew by 131 participants in FY23 bringing the total number of participants to 3,824. 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.

FY23 Bay Star Homes Registrants

City/County	Number
Chesapeake	7
Franklin	1
Hampton	8
Isle of Wight	1
James City	1
Newport News	21
Norfolk	66
Poquoson	2
Portsmouth	2
Suffolk	3
Virginia Beach	11
Williamsburg	2
York	6
Total	**131**



Total Bay Star Homes Registrants

City/County	Number
Chesapeake	172
Franklin	14
Gloucester	18
Hampton	138
Isle of Wight	13
James City	18
Newport News	304
Norfolk	2,546
Poquoson	19
Portsmouth	45
Smithfield	12
Southampton	4
Suffolk	153
Surry	3
Virginia Beach	270
Williamsburg	7
York	88
Total	**3,824**



Community Outreach

Greening Up in 2023

At askHRgreen.org, we believe that being green should be an everyday thing – not just an Earth Day thing. On January 1, we invited residents to "Green Up" in 2023 by making a commitment to live a greener life every day, every month, every year. To help inspire people throughout the year to renew their dedication to a cleaner, greener lifestyle, we created a checklist at askHRgreen.org/green-up. These monthly themes ran January through June and they will continue to be incorporated into our newsletters and social media campaigns throughout the 2023 calendar year.

01 **January:** Start Smart, Recycle Right

Make this the year to "Start Smart, Recycle Right" by selecting products with less packaging (or packaging that you know is accepted for recycling) and knowing which items are recyclable in your community. Use our handy Recycling & Disposal Lookup Tool as a guide.

02 **February:** Make Your Home Flush-Friendly

To be flush-friendly, you need to know what not to flush. And you might read up on that while you take a potty break during the Superbowl halftime. Some things you should never flush include tissues, paper towels and wipes, even if they say they're flushable! Are you a Toilet Trooper or a Party Pooper? Take the fun quiz and find out!

03 **March:** Keep Your Community Clean

Register for a Great American Cleanup (March 24-25) event near you. Or rally your neighbors and plan your own project. Need help? Through our Team Up 2 Clean Up program, you can "check out" litter grabbers, trash bags and safety equipment for your team's use. (By the way you can put together a Team Up 2 Clean Up group and check out this equipment any time of the year.)

04 **April:** Make Your Yard Stormwater-Smart

April showers bring… Well, you know! Assess your lawn and garden areas to see if stormwater runoff is causing erosion or standing water. Native trees, shrubs and perennials will look great while stabilizing your soil. Take a look at the Native Plants for Southeastern Virginia Guide for inspiration.

05 **May:** Safely Dispose of Household Hazardous Waste

Spring cleaning? Set aside any hazardous household waste products (old paint cans, fluorescent bulbs, motor oil, etc.) to take to a safe HHW collection site. Look for local disposal resources and collection events at askhrgreen.org/hhw.

06 **June:** Fix Household Water Leaks

Your money may be drip, drip, dripping away and you don't know it! This month, find out how to run down common household water leaks such as dripping faucets, leaky showerheads and worn-out toilet flaps, and learn how to fix them. It's easy and will mean more money saved and less water wasted.

07 **July:** Choose to Refuse Single-Use Plastics

Millions worldwide will participate in Plastic Free July. Will you accept the challenge? Single-use plastics last for decades, yet they are used for just minutes and thrown away. Going "strawless" will help protect wildlife from ingesting this litter, while keeping our area "beachy" clean!

08 **August:** Support Green Learning in Schools

Spread the word to a teacher or youth group leader you know about our askHRgreen.org Environmental Education Mini-grant Program. Grants of up to $500 are available for funding green-based student projects. They will love you for recommending it!

09 **September:** Make Back-to-School as Green as Can Be

Make back-to-school easier on the environment by using what you have on hand and making smart buying choices. Make an "educated" decision and check out our tips!

10 **October:** Thank a Water Worker

Drink up! Water that is. And give thanks to our hardworking water workers that it flows without fail through your pipes. Imagine a Day without Water, October 19, addresses the importance of maintaining the water and wastewater systems that bring a steady flow of water to keep Hampton Roads humming.

11 **November:** Keep the Grease Grinch at Bay

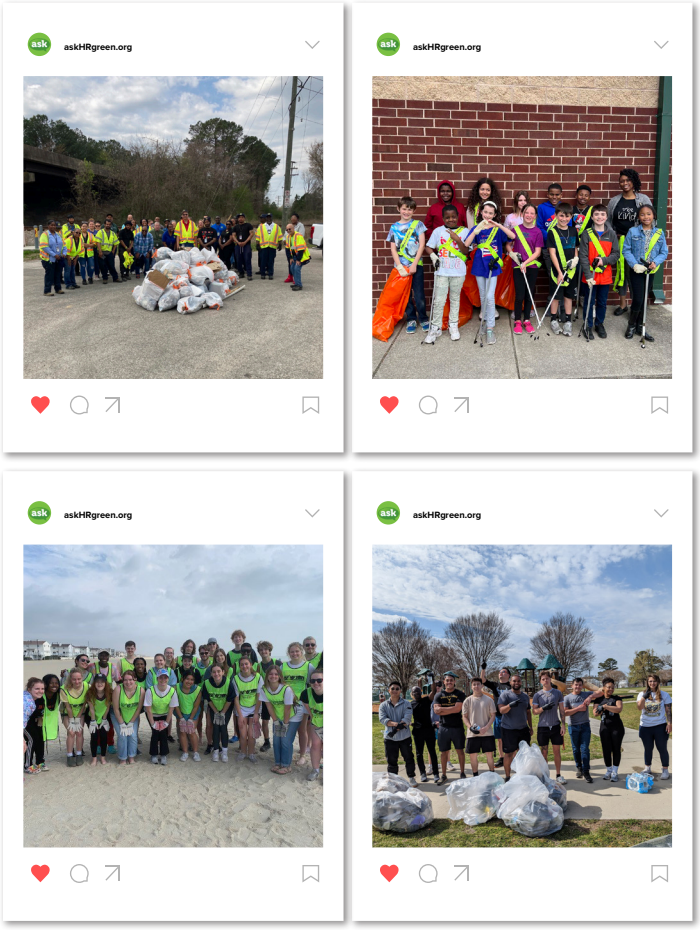
Keep the plumber off your holiday guest list, by knowing how to dispose of Thanksgiving leftovers and food scraps. Avoid kitchen sink backups by pouring standing grease in a can, freezing it, and then tossing it in the trash. And don't forget to scrape leftovers in the garbage or compost bin. Need more tips? Here you go!

12 **December:** Reduce Holiday Waste

Being a conscientious consumer during this peak waste-generating month could be the single greatest gift you give to the environment. Check our Green Holiday Guide for ideas on everything from shopping and entertaining to gift ideas and how to wrap them!

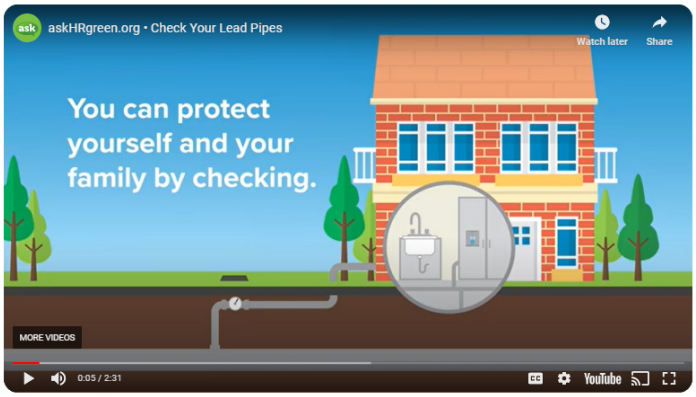
Great American Cleanup

The askHRgreen.org Recycling & Beautification Committee once again collaborated regionally to host the Hampton Roads Great American Cleanup (GAC). 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. The two-day cleanup initiative has grown every year and had another record-breaking year in FY23. This year's cleanup, held on March 24-25, attracted more than 2,400 volunteers from around Hampton Roads. Working together, volunteers cleared a combined 2,805 bags of litter and 429 tires from roadways, tree lines, neighborhoods, parks, and waterways. That's an estimated 47 tons of trash found and removed from public spaces. From James City County and Gloucester to Suffolk and Virginia Beach, volunteers came together across the region to make a difference and it showed!



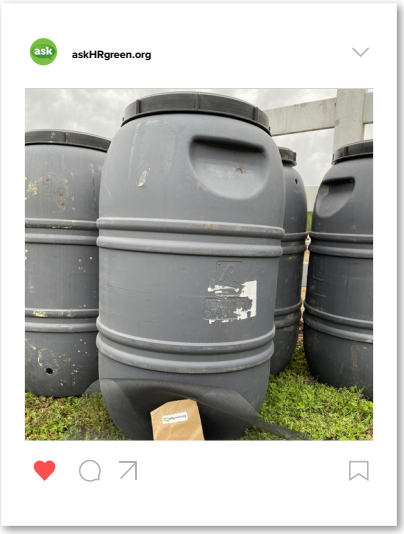
Drinking Water Regulations

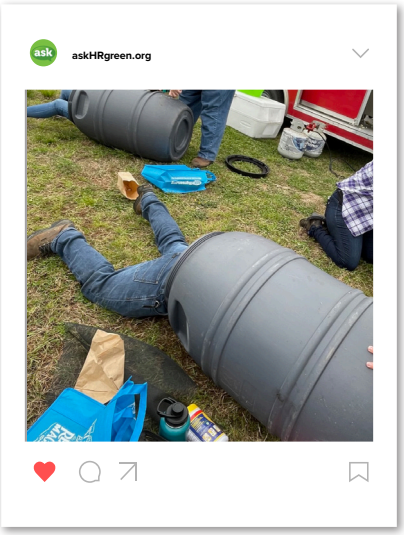
In December 2021, the Environmental Protection Agency (EPA) announced plans to take additional steps to address the potential for lead to enter drinking water through household plumbing. Drinking water that leaves the water treatment plant is free of lead. However, lead is sometimes present in the pipes of homes built prior to 1986 and can introduce lead into a home's water supply. In FY23, the Water Awareness Committee was created a new informational video and webpage 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. The information is available online at askHRgreen.org/leadpipes.



Rain Barrel Workshops

The Stormwater Education Committee hosted rain barrel workshops in the spring of 2023. These popular workshops routinely sell out in a matter of days due to the low cost of just $25 per rain barrel. By offering these workshops across the region, askHRgreen.org is able to provide affordable access to this water-saving best practice. Rain barrels reduce the amount of runoff flowing to the stormwater system while also providing residents with a free source of water for outdoor use. In total, seven workshops were held across the region with a total of 90 rain barrels distributed to the community in both in-person and curbside "take and make" formats. Workshops were held in the following localities: Chesapeake, Hampton, James City County, Newport News, Suffolk, and York County.







Student Outreach

Green Star Teachers

As part of the askHRgreen.org 10th anniversary celebration in FY22, we were able to celebrate local educators with our Green Star Teachers Awards. With the support of HRSD, 10 finalists were chosen in March 2022 and awarded $1,000 to use for a green-themed classroom project of their choice. The winning submissions included educators 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. During FY23, teachers began implementing their new projects and we are pleased to share the results from five of the projects that were completed by the end of FY23.

Michele Ferrel

Kilgore Gifted Center, Hampton

Ms. Ferrel promoted environmental stewardship throughout the school by having students maintain the schoolyard habitat including a vegetable garden, rain barrels, butterfly garden, and pollinator garden. Students loved being outside and getting their hands dirty.



Pamela Hall

Carrollton Elementary School, Isle of Wight County

Ms. Hall worked with students to engineer solutions to real-life problems while learning about renewable energy. Third grade students worked in teams to engineer wind turbines to light up a barn, solve agricultural problems with renewable resources, and design sustainable communities.



Charlie Morse

Williamsburg Community Growers, Williamsburg-James City County

Mr. Morse worked with William & Mary intern Eli Fulcher to develop a composting system for food scraps. This included two 3-bin containers for housing 2,000 worms, a technique using macerated and composted pre-consumer food scraps and local leaves and a heating system for maintaining a healthy working environment for the worms. Mr. Morse also developed a lesson to be used with elementary students and tested the lesson with third through fifth grade students from J. Blaine Blayton Elementary School in James City County.



Student Outreach

Kathleen (Kathy) Shambo

Southside STEM Academy at Campostella, Norfolk

Ms. Shambo established an eco-club at Southside STEM Academy to maintain the native plant garden at the school. Students planted seeds, repaired existing planters, and organized an Earth Day school yard litter cleanup for the entire 5th grade. The club also participated in regular litter pickups throughout the year.



Melissa Powell-Riedl

Paul Burbank Elementary School, Hampton

Ms. Powell-Riedl increased the growing area of the school garden with more raised beds for vegetables in an outdoor classroom setting that is accessible to more students. Both students and staff have enjoyed the expanded garden area and some classes utilize the space daily.





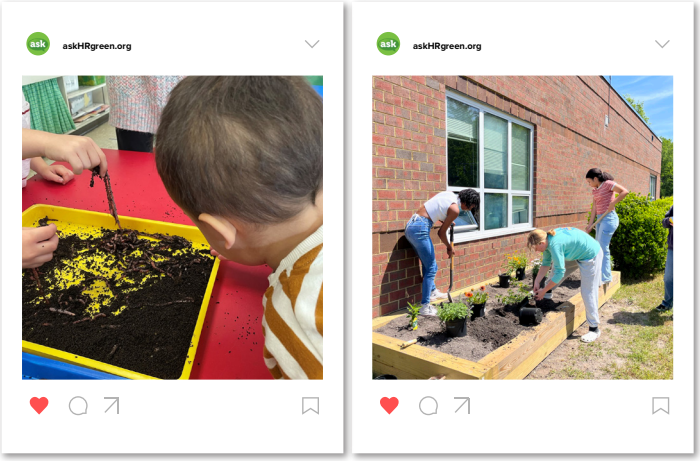
to all of our Green Star teachers

Student Outreach

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, youth leaders, or organizations working with youth (K-12) grants of up to $500 to fund environmentally-themed projects.

In FY 2022-2023, askHRgreen.org was able to fund 9 mini grant projects for a total of $4,289.63. Through these initiatives, young learners had more access to "green" books, started recycling programs, cultivated community gardens, learned about vermicomposting, native plants and habitat creation, conducted schoolwide cleanups and beautified spaces. These meaningful experiences are sure to foster a sense of connection between our environment and tomorrow's leaders. In total, more than 3,500 students were impacted by the mini grant program in FY23. To learn a little more about each of these exciting projects, please see Appendix B.



FY23 Environmental Education Mini Grant Projects

Project	Students	School/Organization	City/County	Grant
School Garden	400	Kingston Elementary School	Virginia Beach	$500.00
Vermicomposting	32	Parish Day School	Virginia Beach	$310.00
Ocean Pollution Starts on Land	510	Hermitage Elementary School – Ecology Club	Virginia Beach	$500.00
Meaningful Watershed Experience	80	Walsingham Academy	Williamsburg	$480.00
Native Trees	109	Norfolk Academy	Norfolk	$500.00
Save the Bees	15	Hugo Owens Middle School	Chesapeake	$500.00
Cultivating Crops and Connections	not available	King's Grant Elementary	Virginia Beach	$499.63
Recycling in the Classroom	1766	Bethel High School	Hampton	$500.00
Native Plant and Pollinator-Friendly Garden	660	Great Bridge Primary School	Chesapeake	$500.00
	3,572			**$4,289.63**

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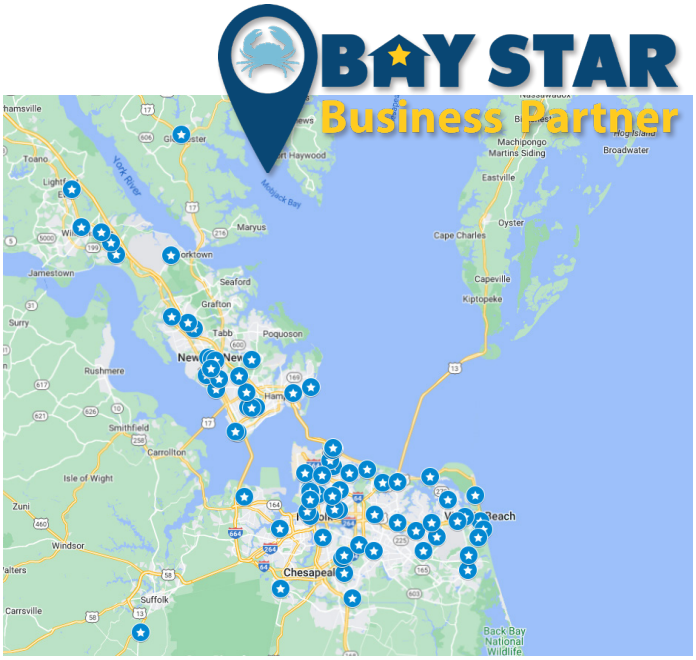
Business Outreach

Bay Star Business Program

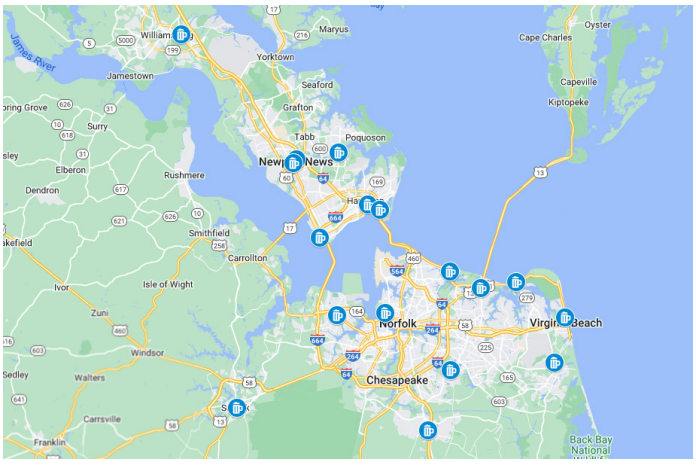
Launched in 2018 by the Stormwater Education Committee, the Bay Star Business program engages the Hampton Roads business community in protecting local water quality and other environmental stewardship activities. Businesses can sign up online by pledging to implement environmental practices such as conserving 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. Community recognition is an incentive for local businesses and an easy way for consumers in the region to identify eco-friendly businesses. In FY23, the Bay Star Business program added 5 new partners for a total of 79 participants. The program attracts a large variety of businesses including multi-family housing communities, contractors, retail establishments, restaurants, salons, and marinas.

Bay Star Business Partners	
City/County	Number
Chesapeake	6
Gloucester	2
Hampton	8
James City County	2
Newport News	14
Norfolk	20
Portsmouth	1
Suffolk	2
Virginia Beach	20
Williamsburg	1
York	3
Total	**79**



Imagine a Day Without Water

Celebrated each October, Imagine a Day Without Water is a national outreach campaign designed to highlight all the ways we use water each day. In FY23, the Water Awareness Committee promoted Imagine a Day Without Water by partnering with 17 local breweries to distribute specially-themed pint glass sleeves on October 20th and while supplies lasted. Participating breweries also received trivia night materials and a social media toolkit. To further promote the event, the committee hosted a social media contest to give away two trendy tumblers for anyone who registered for the newsletter. A total of 122 people signed up through the promotion.







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.

The HRFOG.com website serves as a regional 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 programs. 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” solutions. 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 select TalentLMS as the new online training and certification platform. Data migration and web development work began in FY23 and the new and improved training website is scheduled to launch in early FY24 to ensure a better user experience for those individuals who are required to take the regional FOG certification program. The site will also give administrative users better access to data and reporting features.

Business Outreach

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 community grant program offers free cigarette waste receptacles to businesses and other 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. The grant program requires the awardee to install and regularly maintain the cigarette waste receptacle. To date, 167 free cigarette waste receptacles have been distributed to a diverse mix of businesses in Hampton Roads. Of those awards, 105 receptacles were distributed to 64 facilities in FY23.



Waste Reduction & Recycling

The Recycling & Beautification Committee promotes waste reduction and quality recycling in Hampton Roads. The foundation for these efforts is the Start Smart, Recycle Right (SSRR) campaign. Launched in January 2021, the SSRR campaign encourages 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 video series, and an interactive recycling quiz. In FY23, the committee was pleased to be joined in partnership by TFC Recycling who pledged a dollar-for-dollar match for media spending for up to three years to expand recycling education in Hampton Roads.

Paid Media. Through the TFC Recycling partnership, the committee was able to purchase eight months of ongoing campaign coverage for the SSRR campaign. The campaign launched on November 22 and ran through June 30. The campaign included traditional and digital streaming TV, radio, digital display ads with retargeting, social media, a radio interview, and three appearances on Coast Live. The campaign had concentrated periods of media coverage during the months of November, February, and April. 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. The committee used banner displays and rack card distribution to communicate with the public about recycling basics and contamination. The rack cards were also made available in Spanish for reach Spanish-speaking audiences. The LOVE sign constructed from recyclables also toured the southside of Hampton Roads in FY23 with additional locations planned in FY24.

Public Relations. Public relations efforts supported recycling and waste reduction through news releases and articles in the Virginian-Pilot, Daily Press, and askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Outreach included sharing organic and branded posts on recycling basics, avoiding recycling contamination, waste free living, composting, recycling facts, and more.





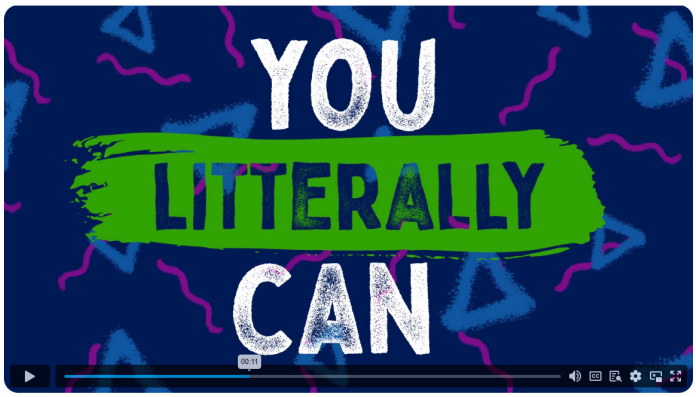


Promotional Campaigns

Litter Prevention

The Recycling & Beautification Committee has an ongoing priority of decreasing the amount of community litter through both litter prevention and litter cleanups. For several years, the committee has utilized the Team Up 2 Clean Up program to engage residents, businesses, and community organizations in the cleanup portion of this goal. The program 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. Each March, the committee hosts the Hampton Roads Great American Cleanup. In FY23, we continued to see engagement rise with 2,423 volunteers and 95,353 pounds of litter recovered from 200 project sites across Hampton Roads. The increased turnout for FY23 can be attributed in large part to the Suffolk Citywide Challenge.

New in FY23, was the creation of a litter prevention campaign called "You Litterally Can." The campaign was developed through a Department of Environmental Quality grant for recycling and litter prevention. The campaign explains that the public "litterally can" prevent litter with simple litter prevention strategies such as not overfilling trash cans, cleaning up after using public spaces and facilities, securing loads, and not tossing litter from the car. It also speaks to specialized audiences for cigarette waste and balloon releases and highlights the harmful impacts on wildlife. The campaign combines an emphasis on personal responsibility with the negative impacts litter has in our communities and on wildlife. Included in the campaign are eight short social media videos highlighting different sources of litter and one 30-second video combining the messages together into a single resource. Supporting posters, bumper stickers, and children's stickers were also created and purchased to help spread the message offline during community events.



Paid Media. 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. Lendable litter kits are available in various locations across Hampton Roads to make organizing cleanups easy for community groups, businesses, and neighborhood associations. The kits include trash bags, gloves, litter grabbers, safety vests, and buckets. As part of the "You Litterally Can" campaign, posters, bumper stickers, and children's stickers were created to distribute at community events.

Public Relations. Public relations outreach about litter prevention and cleanups was conducted via news releases and articles in the Virginian-Pilot, Daily Press, and askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Organic and branded outreach topics included cleanup recruitment, cleanup results, litter prevention strategies, and seasonal reminders.

Cigarette Litter Prevention

The Recycling and Beautification Committee continued to educate the public about cigarette litter in FY23. Cigarette litter is particularly harmful in Hampton Roads as cigarette butts are easily swept into storm drains and out to local waterways where they become marine debris. To raise awareness about the harmfulness of cigarette litter, the committee displays larger-than-life model cigarette butts in public spaces though the #NoButtsAboutIt campaign. The displays are a great way to communicate the big impact this small piece of litter has on the environment. The committee also provides real-world solutions for cigarette litter by distributing cigarette waste receptacles through the Cigarette Waste Receptacle grant program. In FY23, the committee applied to receive free wall mount ash receptacles from Keep America Beautiful and

was awarded 100 free receptacles to distribute through the grant program.

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. Cigarette litter rack cards and pocket ashtrays were made available for distribution at local events.



Public Relations. Cigarette litter prevention was featured in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram to educate smokers on the proper disposal of cigarette butts and the general harmfulness of cigarette litter.

Cigarette Waste Receptacle Grant Program. In partnership with the Stormwater Education Committee, 167 free cigarette waste receptacles have been distributed to a diverse mix of businesses in Hampton Roads. Of those awards, 105 receptacles were distributed to 64 locations in FY23.

Fats, Oils & Grease (FOG) Disposal

The FOG Committee works to reduce sanitary sewer overflows (SSO) through public education on the proper disposal of fats, oils, and grease (FOG). When FOG is rinsed into household drains, there is a potential for damaging pipes on both the private and public sides of the sanitary sewer system. The committee encourages residents to can the grease, scrape plates into the trash, catch food scraps with a sink strainer, and recycle fryer oil. While FOG prevention is a year-round concern, this outreach priority is promoted heavily during the holiday seasons from November to December. This focal area was addressed with the following strategies:

Paid Media. There was a one-week "Grease Grinch" campaign that ran November 21 to November 27. The campaign included traditional television, radio, digital display ads with retargeting, 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, children's activity books, and brochures.

Public Relations. Public relations supported FOG education topics through articles in the Virginian-Pilot, Daily Press, and askHRgreen.org newsletter.

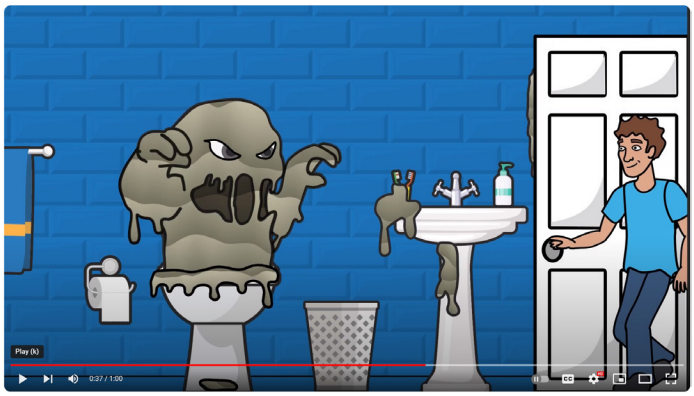
Social Media. We engaged with the community via Facebook and Instagram. Outreach topics included organic and branded posts on protecting pipes from FOG damage, canning the grease, and using a sink strainer to catch food scraps.

Promotional Campaigns

What Not to Flush

Another cause of sanitary sewer overflows is improper flushing. Sanitary sewers were designed to handle human waste and toilet paper. However, it is common for the public to treat the toilet as a trash can sending everything from personal hygiene products, so-called flushable wipes, dental floss, cotton swabs, and more down the drain. The FOG Committee has a comprehensive public education effort to discourage improper flushing with a specific focus on wipes.

Paid Media. There were two "What Not to Flush" media campaigns in FY23. The first campaign ran for one week, January 23 to January 29 on traditional and digital television, radio, digital display ads with retargeting, and social media. The creative for this campaign was newly developed in FY23 and features a clog monster made of not-so-flushable wipes. A second campaign ran February 6 to February 12. The campaign was a pickup of a chalkboard-style animation walking viewers through the items that should not be flushed and explains how backups can occur on both the public and private side of the sewer system. The campaign included traditional and digital television, radio, digital display ads and 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.

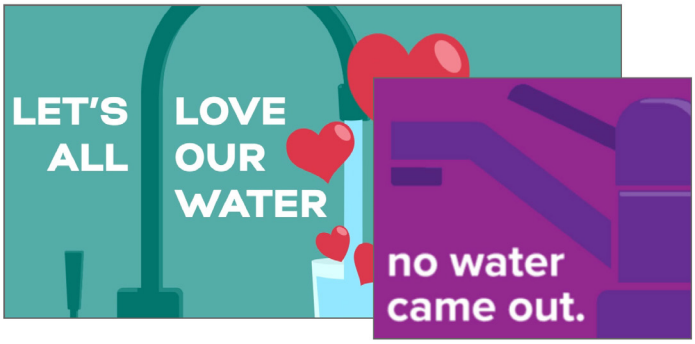
Public Relations. Public relations supported the what not to flush topic with articles in the Virginian-Pilot, Daily Press, and askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Outreach topics included organic and branded posts on National Drug Takeback Day, World Toilet Day, the myth of flushable wipes, and the new clog monster character.

Communicating the Value of Water

The Water Awareness Committee has an ongoing priority of communicating the value of water to Hampton Roads residents. Tap water is most often seen as a practical convenience to residents but it also powers business, healthcare, fire protection, sanitation, and quality of life in Hampton Roads. Water is a hot shower but also helps firefighters keep the community safe. It quenches thirst but also enables businesses and hospitals to complete their important work. The committee communicated the importance of water in the following ways:

Paid Media. The committee ran a one-week media campaign from October 17 to October 23 as part of the national Imagine a Day Without Water campaign on October 20. The ad creative was a pickup campaign featuring 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, an appearance on the Hampton Roads Show and Coast Live, 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 and articles in the Virginian-Pilot, Daily Press, and 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.



Imagine a Day Without Water. The committee partnered with 17 breweries to distribute Imagine a Day Without Water branded pint glass sleeves and hosted a social media giveaway which resulted in 122 new newsletter signups.

Careers in the Water Industry

Public water utilities across the region have a shared challenge with hiring and retaining staff due to tumultuous economic recovery of the COVID-19 pandemic. Vacancies for essential roles have been difficult to fill in fields such as customer service, administrative support, construction, and equipment operators. To help promote professions in the water industry, the committee developed the Work for Water campaign in FY22 and continued the campaign in FY23. The campaign encourages prospective job seekers in Hampton Roads to consider a career with a local water utility. The creative includes interviews with current utility employees discussing why they love working for water. Committee members have also used these assets locally as recruitment tools.

Paid Media. The committee ran a one-week media campaign from May 8 to May 14 celebrating water workers for national Drinking Water Week. The campaign utilized the existing "thank a water worker" creative which also highlights the importance of water infrastructure. 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 newsletter.

Social Media. Relevant messages were shared via Facebook and Instagram both organically and through the askHRgreen branding campaign.

Water Conservation

Water conservation is a messaging priority for the Water Awareness Committee. According to the EPA, household leaks account for nearly 10,000 gallons of water wasted each year. Leaky toilets are one common culprit of water waste and generally have simple DIY fixes. Fixing leaks is important for water conservation but also has benefits for reducing water bills for the region's ratepayers. In addition to fixing leaks, the committee has a comprehensive catalogue of indoor and outdoor water conservation measures that are prominently featured throughout the year.

Paid Media. The committee ran a one-week media campaign from March 27 to April 2 promoting fixing leaks. The campaign utilized new creative which focused on the amount of water wasted by a leaking faucet. The campaign ran on traditional and digital television, radio, digital display ads with retargeting, 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, and seed bookmarks.

Public Relations. Public relations support this topic with news releases and articles in the Virginian-Pilot, Daily Press, and askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook and Instagram. Water conservation messages included finding and fixing household leaks, outdoor conservation practices including rain barrels, indoor water conservation tips, and waterwise/native landscaping.

Storm Drains & Illicit Discharges

The Stormwater Education Committee educates the public about the negative impacts of illicit discharges on local water quality. The foundation of this focal area is the general "only rain down the drain" message which incorporates multiple different topics including litter, household hazardous waste, car washing, yard waste disposal, pool maintenance, and more.

Paid Media. The committee ran a one-week media campaign from March 6 to March 12 on proper storage and disposal of HHW. The campaign used existing creative that encourages residents to store chemicals safely and return old or unwanted chemicals to a HHW facility. The campaign 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.



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. In FY23, the committee developed a pool maintenance rack card to help address illicit discharges from improper pool draining and maintenance. The committee also translated two rack cards, commercial landscaping and pool maintenance, into Spanish to be more inclusive of diverse populations in these industries. The committee also continues to promote the storm drain marking program and received three applications in FY23. Many more storm drain medallion projects were completed by individual localities with askHRgreen.org providing procurement support.

Public Relations. Public relations supported this focal area through news releases and articles in the Virginian-Pilot, Daily Press, and 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 car washing tips, proper disposal of HHW, litter prevention and marine debris.

Cigarette Waste Receptacle Grant Program. In

partnership with the Stormwater Education Committee, 167 free cigarette waste receptacles have been distributed to a diverse mix of businesses in Hampton Roads. Of those awards, 105 receptacles were distributed to 64 locations in FY23.

Pet Waste

Pet waste continued to be a top message priority for the Stormwater Education Committee in FY23. It's often considered rude when pet owners do not clean up after their pet, but many people aren't aware pet waste contains harmful bacteria that contaminates local waterways through stormwater runoff. The committee addressed this message priority in the following ways:

Paid Media. The committee ran a one-week media campaign from April 3 to April 9. The new campaign creative was a pickup of the scoop the poop jingle emphasizing scooping the poop even at home in our own yards. This campaign addresses the common misconception that it's ok to leave pet waste in private yards. The campaign featured 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 distributed scoop the poop rack cards, dog waste bag holders, collapsible pet water bowls, and poop emoji squeezers to support the pet waste message.

Public Relations. Public relations supported this focal area through news releases and articles in the Virginian-Pilot, Daily Press, and askHRgreen.org 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.

Scoop the Poop Pledge. Though not promoted heavily in FY23, there were 58 new pledges via the online Scoop the Poop pledge on askHRgreen.org.

Pet Waste Station Grant Program. The askHRgreen.org Pet Waste Station Grant Program celebrated its tenth year of operation in FY23. The program provides free pet waste stations to help neighborhood associations, community groups, and property management companies properly manage pet waste in public spaces. Approved applicants agree to maintain the stations by emptying the trash and replacing bags as needed. Since the launch of the program, 502 free pet waste stations have been provided to neighborhoods across Hampton Roads. Of those, 42 were awarded during FY23. The community investment from this program has reached over $85,000 since the launch of the program with most pet waste stations purchased through the Chesapeake Bay Restoration Fund Grant.



New Pet Waste Stations in FY23	
Gloucester	2
Hampton	4
Newport News	6
Norfolk	5
Suffolk	9
Virginia Beach	10
York County	6
	42

Lawn Care & Fertilizer

The Stormwater Education Committee promotes proper lawn care and fertilizing practices to address local water quality concerns. 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.

Promotional Campaigns

Paid Media. The committee picked up an existing chalkboard art inspired media campaign for a one-week campaign from September 19 to September 25. The campaign included traditional television, radio, digital display ads with retargeting, an appearance on the Hampton Roads Show and Coast Live, 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.





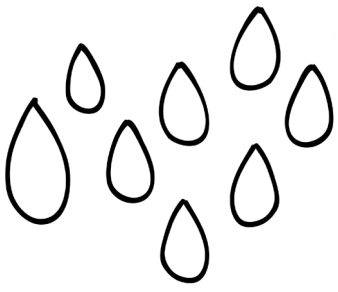
Outreach Materials. The committee maintains a supply of brochures and rack cards focusing on lawn care best practices and distributes free soil test kits along with an informative soil testing brochure. There is also a specific rack card geared towards commercial landscapers and Southeastern Virginia Native Plant Guides 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 articles in the Virginian-Pilot, Daily Press, and askHRgreen.org newsletter. The Bay Star Homes program is another important tool for encouraging residents to use waterway-friendly lawn care practices.

Social Media. Lawn care and fertilizing tips are also featured routinely 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 and received 38 completed responses in FY23.

Rain Barrel Workshops. The committee hosted rain barrel workshops in Spring 2023. In total, seven workshops were held with a total of 90 rain barrels distributed to the community in both in-person and curbside "take and make" formats. Workshop host localities included Chesapeake, Hampton, James City County, Newport News, Suffolk, and York County.





2022-2023 MEDIA

SEPTEMBER 19-25 ***"Lawn Care"***
Radio, TV, digital display, social media
1,163,658 Impressions
1,007 Clicks/Actions/Engagements
BUDGET: $9,220 | VALUE: $25,398 | CPM: $7.92 | ROI: 2.75:1

OCTOBER 17-23 ***"Imagine a Day Without Water"***
Radio, TV, digital display, streaming TV, social media
1,031,235 Impressions
829 Clicks/Actions/Engagements
BUDGET: $10,920 | VALUE: $13,620 | CPM: $10.59 | ROI: 1.25:1

NOVEMBER 1 - JUNE 30 ***"Start Smart, Recycle Right"***
Radio, TV, digital display, streaming TV, video pre-roll, social media
11,670,657 Impressions
60,593 Clicks/Actions/Engagements
BUDGET: $65,245 | VALUE: $200,402 | CPM: $5.59 | ROI: 3.07:1

NOVEMBER 21-27 ***"Holiday Grease Grinch"***
Radio, TV, digital display, social media
1,267,264 Impressions
2,071 Clicks/Actions/Engagements
BUDGET: $9,980 | VALUE: $17,028 | CPM: $7.88 | ROI: 1.71:1

JANUARY 23-29 ***"What Not to Flush: Wipes"***
Radio, TV, digital display, social media
793,329 Impressions
553 Clicks/Actions/Engagements
BUDGET: $13,900 | VALUE: $29,230 | CPM: $17.52 | ROI: 2.10:1

FEBRUARY 6-12 ***"What Not to Flush: Chalkboard Toilet"***
Radio, streaming TV, digital display, social media
760,907 Impressions
431 Clicks/Actions/Engagements
BUDGET: $7,920 | VALUE: $27,525 | CPM: $10.41 | ROI: 3.48:1

MARCH 6-12 ***"Household Hazardous Waste"***
TV, digital display, mobile display, social media
570,811 Impressions
1,026 Clicks/Actions/Engagements
BUDGET: $5,920 | VALUE: $14,570 | CPM: $10.37 | ROI: 2.46:1

MARCH 20-26 ***"Fix-a-Leak"***
Radio, TV, streaming TV, digital display, social media
1,163,240 Impressions
742 Clicks/Actions/Engagements
BUDGET: $16,900 | VALUE: $31,946 | CPM: $14.53 | ROI: 1.89:1

APRIL 3-9 ***"Pet Waste"***
Streaming TV, digital display, mobile display, social media
524,511 Impressions
1,677 Clicks/Actions/Engagements
BUDGET: $5,920 | VALUE: $8,057 | CPM: $11.29 | ROI: 1.36:1

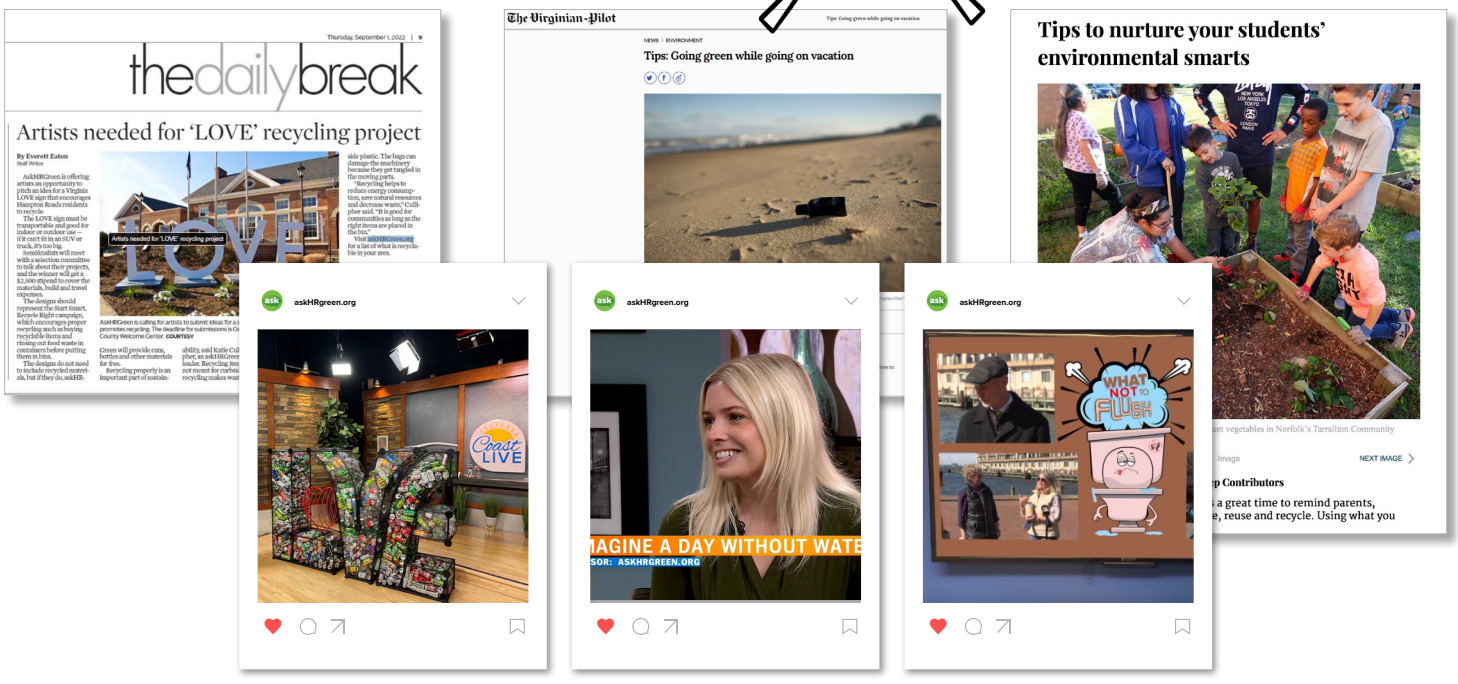
MAY 8-14 ***"Value of Water"***
Radio, TV, streaming TV, digital display, social media
1,115,556 Impressions
1,161 Clicks/Actions/Engagements
BUDGET: $10,920 | VALUE: $26,392 | CPM: $9.79 | ROI: 2.42:1

Public Relations Activities

Date	Media Outlet	Topic	Length	Circ/Imp	PR Value
Friday, July 28, 2022	The Flagship News	Keep your summer getaway easy on the environment with a Hampton Roads staycation	1,017 words	40,000	$1,800.00
Wednesday, August 03, 2022	The Hampton Roads Messenger	Staycation: Keep summer break easy on the environment and wallet	30 column inches	1,000	$900.00
Saturday, August 20, 2022	The Virginian-Pilot - askHRgreen.org guest column	Tips for going green while going on vacation, contributors Katie Cullipher, Rebekah Eastep	41.5 column inches	219,079	$20,215.50
Saturday, August 20, 2022	The Daily Press - askHRgreen.org guest column	Tips for going green while going on vacation, contributors Katie Cullipher, Rebekah Eastep	41.5 column inches	95,728	$2,490.00
Saturday, August 20, 2022	Our Community Now Website	Tips for going green while on vacation	N/A	3,000	$450.00
Saturday, August 20, 2022	Barometer Website	Tips for going green while on vacation	N/A	3,000	$450.00
Saturday, August 27, 2022	The Independent Messenger, Emporia, Va.	AskHRgreen.org seeks artists with a love for recycling for public art display	567 words	4,788	$621.00
Monday, August 29, 2022	The Hampton Roads Messenger	Seeking artists with a LOVE for recycling	30 column inches	1,000	$900.00
Thursday, September 1, 2022	The Virginian-Pilot	Artists needed for LOVE recycling project	27.5 column inches	219,079	$13,395.00
Thursday, September 1, 2022	The Daily Press	Artists needed for LOVE recycling project	27.5 column inches	95,728	$1,650.00
Thursday, September 1, 2022	City of Newport News "The Bulletin Post" newsletter	Seeking artists with a LOVE for recycling	270 words	3,000	NA
Tuesday, August 16, 2022	City of Portsmouth, press release posted	AskHRgreen.org seeks artists with a love for recycling for public art display	N/A	3,000	NA
Tuesday, August 16, 2022	Norfolk Arts @ArtsNorfolk FB/ Insta/Twitter	AskHRgreen.org seeks artists with a love for recycling for public art display	N/A	10,000	NA
Tuesday, August 16, 2022	Norfolk Arts Website	National Opportunities arts listing	N/A	10,000	NA
Tuesday, August 16, 2022	TFC Recycling Linkedin	AskHRgreen.org seeks artists with a love for recycling for public art display	N/A	NA	NA
Tuesday, August 16, 2022	CODA Works	Call for artists notice/link to blog	N/A	NA	NA
Tuesday, August 16, 2022	Utah Dept. of Cultural and Community Engagement	Public art program opportunities	N/A	NA	NA
Saturday, September 10, 2022	The Virginian-Pilot - askHRgreen.org column	Tips to nurture your students' environmental awareness	42 column inches	219,079	$20,458.50
Saturday, September 10, 2022	The Daily Press - askHRgreen.org column	Tips to nurture your students' environmental awareness	42 column inches	95,728	2,520
Monday, September 19, 2022	The Hampton Roads Messenger	Try "rewilding" with native plants in your lawn and garden	60 column inches	1,000	$1,500.00
Thursday, September 22, 2022	The Flagship	Go wild with native plants in your lawn and garden this fall	60 column inches	40,000	$1,800.00
Saturday, October 15, 2022	The Virginian-Pilot - askHRgreen.org guest column	Can you imagine a day without water?	34 column inches	219,079	$16,562.25
Saturday, October 15, 2022	The Daily Press - askHRgreen.org guest column	Can you imagine a day without water?	34 column inches	95,728	$2,040.00
Wednesday, October 19, 2022	WAVY Hampton Roads Show	Imagine a day without water	3:25 minutes	12,000	$3,000.00
Thursday, October 20, 2022	WTKR Coast Live	Imagine a day without water	5:12 minutes	12,000	$3,000.00
Wednesday, October 26, 2022	The Roanoke Times	Don't add to the jack-o-landfill	36 column inches	163,000	$6,186.00
Wednesday, October 26, 2022	Yahoo Sports	Don't add to the jack-o-landfill	36 column inches	NA	NA
Monday, October 31, 2022	The Virginian-Pilot	Don't add to the jack-o-landfill	36 column inches	219,079	$17,535.00
Monday, October 31, 2022	The Daily Press	Don't add to the jack-o-landfill	36 column inches	95,728	$2,160.00
Saturday, December 17, 2022	The Virginian-Pilot - askHRgreen.org guest column	Celebrate the season simply with green holiday solutions	36 column inches	219,079	$17,535.00
Saturday, December 17, 2022	The Daily Press - askHRgreen.org guest column	Celebrate the season simply with green holiday solutions	36 column inches	95,728	$2,160.00
Saturday, December 24, 2022	The Virginian-Pilot - askHRgreen.org guest column	Be mindful of recycling during your holiday cleanup	62 column inches	219,079	$30,201.00
Saturday, December 24, 2022	The Daily Press - askHRgreen.org guest column	Be mindful of recycling during your holiday cleanup	62 column inches	95,728	$3,720.00
Tuesday, December 27, 2022	The Suffolk News-Herald	Wrap up the holidays with recycling tips from askHRgreen.org	461 words	10,431	$1,500.00

Saturday, February 11, 2023	The Virginian-Pilot - askHRgreen.org guest column	Know the cleanup plays for your game day graze	36 column inches	219,079	$30,198.00
Saturday, February 11, 2023	The Daily Press - askHRgreen.org guest column	Know the cleanup plays for your game day graze	36 column inches	95,728	$2,160.00
Friday, February 17, 2023	WTKR-TV Erin Miller report with Lacie Wever	Remember that wipe you flushed down the toilet?	4:16 minutes	80,000	$1,500.00
Saturday, March 04, 2023	Suffolk News-Herald	Suffolk prepares for another Great American Cleanup	293 words	10,431	$1,200.00
Friday, March 10, 2023	WYDaily.com	Volunteers needed for Great American Cleanup	100 words	30,000	$900.00
Wednesday, April 12, 2023	WTKR-TV Erin Miller report with Katie Cullipher	Recycle your own electronics for free	3:21 minutes	80,000	$1,500.00
Monday, April 17, 2023	Keep Virginia Beautiful	More LOVE for the environment online report	N/A	1,000	$900.00
Thursday, April 20, 2023	The Virginian-Pilot - guest opinion column	Help communities stay clean and green this Earth Day	20 column inches	219,079	$9,741.00
Thursday, April 20, 2023	The Daily Press - guest opinion column	Help communities stay clean and green this Earth Day	20 column inches	95,728	$1,200.00
Thursday, April 20, 2023	WAVY-TV News	Love students weld LOVE sign to remind you to recycle	2:13 minutes	80,000	$1,500.00
Friday, April 21, 2023	WHRO Public Media News	Recyclable LOVE sign welded by Suffolk Students with travel around Hampton Roads	1:07 minutes	Waiting for data	
Friday, April 21, 2023	The Suffolk News-Herald	Welding students share their LOVE for recycling	500 words + photo	10,431	$2,250.00
Monday, April 24, 2023	Chesapeake Bay magazine	High school welders create Virginia LOVE sign with recyclables	326 words + photo	Waiting for data	
Thursday, May 04, 2023	The Flagship News	Handy online guide shows where to safely dispose of HHW	415 words	40,000	$900.00
Wednesday, May 10, 2023	WTKR-TV Zak Dalhiemer report with Katie Cullipher	Drinking water week, a look at what goes into having clean drinking water	2:26 minutes	12,000	$3,000.00
				3,494,344	**$231,698.25**

Total circulation or audience	3,494,344
Total articles and interviews	49
Total PR budget	$11,885
Total publicity value	$231,698
Return on Investment (ROI)	19.5:1



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Combined Media + Web Results



PAID ADVERTISING WEEKS	52 consecutive
TOTAL IMPRESSIONS	25,218,189
TOTAL VIDEO VIEWS	573,225
TOTAL CLICKS/ACTIONS/ENGAGEMENTS	97,425
TOTAL PROMOTIONAL CAMPAIGN BUDGET	$226,850
TOTAL MEDIA ADDED VALUE	$166,766
TOTAL EXPOSURE VALUE	$625,314
RETURN ON INVESTMENT (ROI)	2.76:1

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 2022 - June 2023

RED CHALK STUDIOS | askHRgreen.org | **SEM REPORT FOR 2022-2023**

AD GROUP	IMPRESSIONS	CLICKS	CTR		
Recycling at Home	54,659	5,106	10.05%		
Native Plants	49,712	3,021	4.22%		
Electronics Disposal	32,771	5,927	15.15%		
Lawn Care	31,235	1,636	3.81%		
Tap Water	8,055	412	6.63%		
Battery Disposal	7,480	1,133	10.64%		
Medication Disposal	6,191	1,075	12.41%		
TMDL	3,666	52	2.56%		
Fertilizer Tips	3,322	177	2.79%		
Soil Testing	3,164	177	4.56%		
Great American Cleanup	2,642	174	4.58%		
Rain Barrels	1,986	138	4.57%		
Fats, Oil, Grease Disposal	1,932	143	6.79%		
askHRgreen.org General	1,754	579	26.75%		
Plastic Bag Recycling	1,507	136	8.46%		
Pet Waste	1,209	49	1.66%		
Disposable Diaper Liners	1,201	6	0.53%		
Find/Fix Leaks	1,116	6	0.21%		
Team Up 2 Clean Up	664	39	3.09%		
Water Conservation	611	21	4.42%		
Food Disposal	565	1	0.05%		
Rain Garden	354	12	2.16%		
Environmental Education	210	10	5.24%		
Stormwater	111	0	0		
Recycling at School	51	0	0		
Yard Waste Disposal	46	2	7.58%		
Green Learning	13	0	0		
Bay Star Business	11	3	27.27%		
Bay Star Homes	9	5	55.56%		
America Recycles Day	0	0	0		
Pet Waste Station Grant Program	0	0	0		
TOTAL	**216,247**	**20,040**	**7.48%**		

Appendix B

askHRgreen.org

Summary for FY23 Environmental Education Mini-Grants

Total Projects Funded in FY23: 9
FY23 Mini Grant Budget: $16,338.14
Total Grant Funds Awarded: $4,289.63

Name of Project	Number of Students	School/Facility	City/County	Awarded
School Garden	400	Kingston Elementary School	Virginia Beach	$500.00
Vermicomposting	32	Parish Day School	Virginia Beach	$310.00
Ocean Pollution Starts on Land	510	Hermitage Elementary School – Ecology Club	Virginia Beach	$500.00
Meaningful Watershed Experience	80	Walsingham Academy	Williamsburg	$480.00
Native Trees	109	Norfolk Academy	Norfolk	$500.00
Save the Bees	15	Hugo Owens Middle School	Chesapeake	$500.00
Cultivating Crops and Connections	Not available	King's Grant Elementary	Virginia Beach	$499.63
Projects that will carry over to FY24				
Recycling in the Classroom	1766	Bethel High School	Hampton	$500.00
Native Plant and Pollinator-Friendly Garden	660	Great Bridge Primary School	Chesapeake	$500.00

Projects continued from FY22

Name of Project	Number of Students	School/Facility	City/County	Awarded
Rain Garden and Bee Hive	40	Hague School	Norfolk	$500.00
Recycling in the Classroom	420	Catholic Highschool	Virginia Beach	$500.00
Community Mural	350	Machen Elementary	Hampton	$500.00
Recycling in the Classroom	90	Phoebus High School	Hampton	$500.00
Recycling and the 3Rs	500	Mary Peake Elementary	Hampton	$241.71

Project	**School Garden Project**
Recipient	**Kingston Elementary School**
Locality	**Virginia Beach**
Award	**$500.00**

Project Description: To start a children's garden with native plants, flowers, vegetables and pollinators. To encourage learning through a discovery process that will increase students' understanding in science by connecting them to nature, plants, and gardens by creating habitats, including a pollinator garden.
Kingston is just beginning our first garden area. We are installing four to six 4' by 6' raised beds gardens. Our beds will be in mostly sun.
Some examples of native plants we will seek from local farms/gardens include: wild hydrangea, swamp or common milkwood, bee balm, common yarrow, butterfly weed, joe-pye weed, cone flower. The plants we get will depend on what is available locally, and the time of the year. We hope to obtain drought tolerant plants as well. We will look at the planting guidelines on your website to support and attract native plants and animals/insects.
The students will dig, plant, weed, water, harvest, compost as necessary. All student activity will be under the supervision by teachers and other adults. No insecticides or chemical pesticides will be used on the beds. During the school year, beds will be maintained by students. During the summer months, all maintenance/harvest/watering will be done by school families, the Garden Guardians, which is part of the Kingston PTA, and under the supervision of the School Garden Team, including myself.

Project Outcome: Our new outdoor school garden is successfully build and started. Kingston students in grades K-5 planned the placement of the beds and several features of our new garden. We have over 500 students and every grade level participated in the planting of the beds, using the gloves we bought with the askHRgreen.org funds. As well, we bought a shed to store all the garden gear. Now we are growing strawbettiers, squash, green peppers, and herbs and flowers and have a pollinator ned. The project supports VA SOLS for all grade levels in science, math and reading, as well as social emotional goals (plant life cycle, animal/insect life cycle, recycling, water cycle, seasons, weather patterns, measuring, incorporating literature about plands and gardens.

What did the students enjoy the most about this project? The students enjoyed all aspects of the outdoor garden. They really enjoyed the hands-on aspect of the outdoor garden. The students enjoyed planting different kind of plants and then over time seeing what has grown. They enjoy waterung and getting wet. They also enjoy tasting the herbs (parsley and mint). Mainly the students enjoyed the hands-on learning aspect of the ongoing projet and soving real-world problems.

How could a similar project be improved? Next time, we would buy a different hose for watering the beds that are located far awat from the water spigot. We noticed the retractable hose puls the tripot irrigation over, so we might get a regular hose for watering plats. The retractable hose works well for the beds that are located near the spigot.









Project	**Vermicomposting**
Recipient	**Parish Day School**
Locality	**Virginia Beach**
Award	**$310.00**

Project Description: Two four-year-old classes will be responsible for maintaining the worm bin. Using their scraps from lunch and leaves from our playground (and additional purchased supplies to keep a 1-1 ratio) they will feed the worms and observe worm behavior. We would like to promote putting less food waste into the trash cans. We will learn about how worms eat and tunnel to create aerated soil and how the worm tea is produced. Using the resulting composted soil and tea in our garden, we will demonstrate how we can make our own healthy soil for the plants on our playground and in our vegetable and flower beds.

Project Outcome: The project aligned with our Virginia Early Learning and Development Standards CDI.lh & CDI.li. We have enjoyed maintaining the worm bin, measuring the worms and are waiting for more worm tea to add to our garden in the spring.

What did the students enjoy the most about this project? They enjoyed touching the worms, feeding them, and keeping the soil moist.

How could a similar project be improved? Some of the worms escaped when we first started because the container was not secured on top. Not much to improve because they are so self-sufficient.






Project	**Ocean Pollution Starts on Land**
Recipient	**Hermitage Elementary School – Ecology Club**
Locality	**Virginia Beach**
Award	**$500.00**

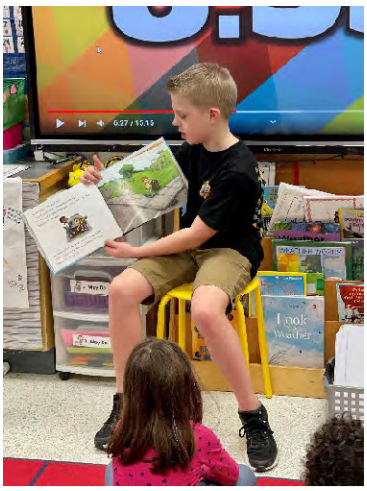
Project Description: We created a "green" shelf in our school library last year with the funds from the askHRgreen mini grant. We purchased 36 new hardcover books to stock our green shelf. We would like to purchase more books for this shelf to expand our collection of environmental books. We do schoolwide beach cleanups each month and spotlight our green books on our morning news show. The books are purchased for students in grades kindergarten through 5th. These books encourage our students & their families to join local cleanups and to do their part to be a solution to the pollution problem. Our Ecology Club is made up of 5th graders who participate in oyster restoration, growing wetlands grasses, & they love to read to classes throughout the year.
The Hermitage Elementary school zone includes 3.5 miles of coastline along the Chesapeake Bay. The Ecology Club sponsors monthly beach cleanups as well as educating and encouraging others to help with the pollution problem. Our families enjoy playing at the beaches along the Bay. We want them to take ownership and protect our coast. By reading our books, we hope to develop an understanding that ocean pollution starts on land. The plastic water bottles and single use plastic bags that are casually tossed on the ground, more often than not, find their way into the Bay. These plastics, along with others, are consumed by sea life, with many animals dying from the debris in the water. We believe our students will be the change we want to see in the world and by having a variety of books available, they will teach others to also make a difference

Project Outcome: With the $500 from the askHRgreen mini grant, we were able to purchase books to expand our "green" shelf. Students in grades K~5 are able to check out the books to share with their families. Our Ecology Club members have read dozens of books from the shelf to our K~3 classes. These books are filled with information about ocean pollution and the impacts on sealife. Many of the books are about beach cleanups. We hold a beach cleanup once a month at Chick's Beach. We also have cleanup kits available for families that want to clean up at different times. Students are really starting to make the connection of the books and participating in the cleanups.

What did the students enjoy the most about this project? The Ecology Club consists of 20 5th graders and they really enjoyed reading these books and sharing their knowledge with the lower grades. They often ask when can they read to another class. The "green" shelf books are very popular with all grade

levels. There are several chapeter books for the older students and the children have been checking them out.

How could a similar project be improved? This project is wonderful. We hope to expand our "green" shelf with more books. We are hoping to get the older students to write book reviews to display on the shelf so others will know what made the book interesting. We would love to support local authors and have them come in to share their books with our classes. Buy adding local authors, we can really get the children excited about reading.







Project	**Meaningful Watershed Experience**
Recipient	**Walsingham Academy**
Locality	**Williamsburg**
Award	**$480.00**

Project Description: Meaningful Watershed Educational Experiences (MWees) are hands-on programming expectations that ensure students understand their impact and realize their personal power to make changes in their local community. This funding will help students understand how water moves through the Chesapeake Bay Watershed and explore ways the health of the ecosystem can be impacted by human interactions.

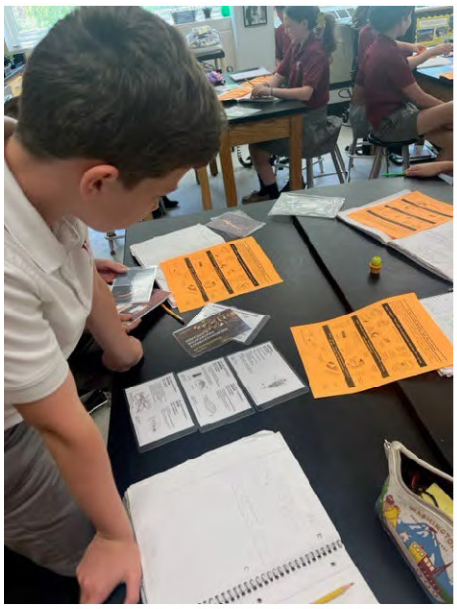
Project Outcome: Meaningful Watershed Experiences (MWees) are essential components of the Virginia Standards of Learning. Despite being an independent school, Walsingham Academy meets and exceeds all VA SOL requirements throughout each grade level. The funds provided by this grant afforded the 5th grade students invaluable opportunities to clearly understand how water travels through the Chesapeake Bay Watershed and to see first-hand how easily the ecosystem is impacted by human interactions. The novel purchased with this grant helped integrate Language Arts skills and helped students develop additional empathy for community members that live and work on the Chesapeake Bay.

What did the students enjoy the most about this project? The students were most overjoyed about getting out into the environment. Students utilized the Learning Garden during the "Journey of a Water Droplet" activity and created their beaded bracelets as they modeled how a water droplet can get caught in different parts of the Watershed on its way to the Chesapeake Bay. Students utilized local water samples to explore leaf packs and practice classification of macroinvertebrates using the purchased

identification cards. Additional outdoor exploration included, investigating life in an oyster reef marsh and exploring organisms in a Chesapeake Bay tributary (York River). Another most enjoyable component was collecting the invertebrates from the school's Learning Garden for use in the choice chambers (habitat investigation).

How could a similar project be improved? The concepts and activities added through grant funding has enriched the lives of each participant. In the future, additional leaf pack collection sites could be utilized to offer students a broader perspective of the organisms inhabiting smaller tributaries. I would also like to expand our water sampling capabilities to include comparison studies of water quality indicators in salt versus fresh water.





Project	**Native Trees**
Recipient	**Norfolk Academy**
Locality	**Norfolk**
Award	**$500.00**

Project Description: We will purchase 100 native bareroot seedling Dogwood trees from the Virginia Dept. of Forestery nursery and plant them in 2.5 gallon pots using soil comprised of purchased compost and perlite. 4th grade students will pot the seedlings in Spring 2023, maintain them at our school garden area (weed and water) for a year and take them home for planting in the spring of 2024.

Project Outcome: 88 4th grade students potted 100 bare-root dogwood tree seedlings into 2-gallon planter pots on March 30, 2023. We will care for and monitor the trees for 1-year and then send them home with students who have a signed form stating that the home has a place to plant the tree. Monitoring will entail counting mortality and tallest height. We will graph the average height and record the number of living trees at the start (April 4), and at the end of May after leaf out and fall of 2023. Photosynthesis is a major concept for 4th grade science, and we will refer to the trees often.

What did the students enjoy the most about this project? Students enjoy getting to pot the trees and help the Earth as I review all of the many ways that trees help the environment and get them very excited

for the project. Students are always excited to "get stuff", and they look forward to taking a tree home. 100 seedlings in our school courtyard are a great example of "doing it". By that I mean it's one thing to talk about environmental issues, but far better to do something to help.

How could a similar project be improved? Upon suggestion by askHRgreen.org, I stopped by Mcdonald's Garden Center and found the re-use planting pots shed where I found 15 pots that would work for this project. I ordered more soil than needed, but we will use the extra to top off the raised bed vegetable gardens here at school. Soil is money in the bank 😊. We could have planted in smaller planter pots this year because the dogwood seedlings were smaller than the redbud seedlings that we planted in previous years. The larger pots will help in the long run because they will provide a more stable environment for the growing seedlings. I hope to do this project again next year so that we have seedlings that are 1-year old for the students to compare to the new bare-root seedlings.

Project	**Save the Bees**
Recipient	**Hugo Owens Middle School**
Locality	**Chesapeake**
Award	**$500.00**

Project Description: Our environmental club at Hugo Owens Middle School would like to build a pollinator garden on school grounds to provide habitat to migratory pollinators and increase the availability of native pollinating plants. Pollinating populations have been in decline worldwide, and our club members firmly believe that in order to strengthen ecosystems, we are responsible for maintaining biodiversity and offsetting habitat loss through replanting and maintaining pollinator gardens.

Project Outcome: The finished garden has been attracting pollinators. The students learned about plant care and growth, the importance of providing habitat to increase biodiversity, and what plants attract pollinators. SOLs that were covered are 6.1, LS 1 and PS 1 - asking questions and defining problems, and planning and carrying out investigations; LS 9 investigating the relationships between ecosystem dynamics and human activity; LS 11 investigating and understanding that poplations of organisms change over time due to environmental factors; LS 7 investigating abiotic and biotic factors in ecosystems; LS 4 chemical processes of energy transfer important to life including photosynthesis as the foundation of food webs; and PS 5 energy is transferred and transformed.

What did the students enjoy the most about this project? The students enjoyed working with the plants and learning about the importance of diversity of plant populations to support other living things in ecosystems. They enjoyed learning different gardening techniques and building something that the school community can enjoy and benefit from.

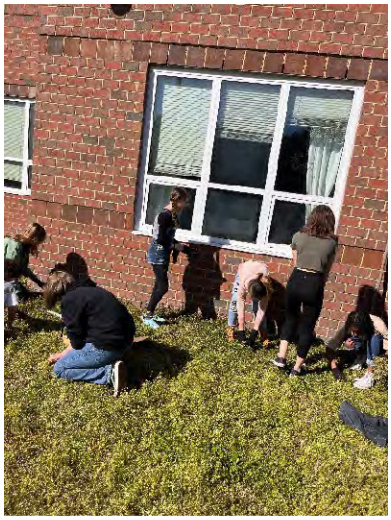
How could a similar project be improved? We could include more education on the different species of plants, add a website with information on the garden for schoolwide educational purposes.











Project	**Cultivating Crops and Connections**
Recipient	**King's Grant Elementary**
Locality	**Virginia Beach**
Award	**$499.63**

Project Description: Kings Grant Elementary is starting a garden club for students in 3rd through 5th grade. Students will be learning about sustainability and cooking through hands-on experiences while forming relationships with their peers. This grant will help us bring more attention to sustainability

practices for our entire school of 500 students, and it will allow all grade levels, K-5, access to observing the natural growth of plants from seeds to vegetables.

Project Outcome: Thank you for funding this grant! We purchased items we can use from year to year. About 40 students planted, watered, and weeded our garden. Students were educated on plant structures, the life cycle of a plant, and plants' needs. Students planted their own seeds to take home. Plant markers were created using the 3-D printer.
Local volunteers, owner of the CROP foundation and the owner of The Commune, a farm-to-table restaurant, demonstrated best culinary practices for food prep and educated students about the value of compost in our garden.
Different grade levels and academic abilities were grouped together to work on real-world problems at our school of littering and tree vandalism. Students made posters about taking care of our school grounds including the trees, flowers, and garden that help make the school grounds beautiful and that help prevent erosion. Posters about banning the release of balloons and recycling/reusing were also created. Students hung the posters where they felt they would best be seen by their peers.

What did the students enjoy the most about this project? Students loved working together to make salsa. Students cut up vegetables and enjoyed eating the salsa with chips. Students even chopped up and added mustard greens with the cilantro. Another time, one of our volunteers brought and cooked up a few vegetables for the students and then made a strawberry dessert that the students enjoyed.

How could a similar project be improved? We need to get plants in the garden earlier this upcoming year so students can harvest the vegetables. We would like to have a spring (for K-2) and fall (for 3-5) garden club. A longterm goal is to put fresh vegetables in the cafeteria for all students to taste.







Project	**Recycling in the Classroom**
Recipient	**Bethel High School**
Locality	**Hampton**
Award	**500.00**

Project Description: Our school does not currently have a school-based recycling program. We would like to add bins to the classrooms that are eager to recycle. The SPED students are recycling plastic film (TREX) currently and would like to add curbside collection to the list. We have18 SPED students total between two functional classes that will participate in this program.Teachers have already submitted their input to

order recycle bins for their classrooms. So far, 32 teachers have responded and are willing to take part in this pilot program

Project Outcome:

What did the students enjoy the most about this project?

How could a similar project be improved?

Project will carry over to FY24

Project	**Native Plant and Pollinator-Friendly Garden**
Recipient	**Great Bridge Primary School**
Locality	**Chesapeake**
Award	**$500.00**

Project Description: Chesapeake is one of the fastest-growing cities in the Hampton Roads region of southeastern Virginia. Protecting our native habitats, plants, and species will become increasingly important in the years to come. Our project is to provide native plants to pollinators such as bees and butterflies while providing hands-on learning opportunities for our students. Creating outdoor learning spaces using native plants will not only educate our students but will teach them responsibility in caring for local habitats and the environment. Startup materials will be purchased locally and long-term maintenance will be provided by various student groups.

Great Bridge Primary School opened its doors to a brand new school in 2019. The building was built specifically to encourage outdoor learning activities and STEM/STEAM integrated lessons. Post-COVID, our teachers and students are now able to begin the journey of adding outdoor learning labs including native plant and pollinator gardens to our campus.

Students will research and identify native plants using various educational tools including Chromebooks and PebbleGo databases, and, discover what native plants will be pollinators for our local bees, butterflies, and birds. Using the results of their research, students will engage in the design, planning, and planting of a native plant garden. Chromebooks (Google Sheets) will be used in designing and planning the size (width and length) of the garden. Particular attention will be given to those native plants to attract the Monarch Butterfly, a local but endangered favorite.

Students will create and produce Google Slide Presentations to educate others on the importance of maintaining native plants and fostering successive generations of endangered species.

When planting season begins, students will determine the area and perimeter of the raised garden bed. Students will measure and weigh as we add composted materials to our beds and use composted materials to plant and grow native plants. During this process, students will be observing, tracking, and measuring our plants. Compost is an excellent additive for increasing organic matter in our soil.

Project Outcome:
What did the students enjoy the most about this project?
How could a similar project be improved?

Project will carry over to FY24

Project	**Rain Garden and Bee Hive**
Recipient	**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 4 raised garden boxes each measuring 4 ft 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: The Hague School's student environmentalist club installed plants in the box beds behind our school. Students did research to choose vegetables that would grow in fall and winter, determined how many plants to purchase, and budgeted accordingly (math and environmental science learning). They planted cabbage, broccoli, kale, and horseradish. The plants are flourishing. The director of the Ghent Farmer's Market spoke to our students about collaborating with the community. Hague Beekeepers met to assemble an apiary donated to the school by the Norfolk Bee Keepers Association. They are prepared to introduce bees to the apiary this spring. This connects to learning goals in Biology and Environmental Science.

What did the students enjoy the most about this project? Students enjoyed working as a team and gained satisfaction from watching the plants grow. They are excited about the prospect of building on this project in the coming years. They enjoy stepping outside during breaks in the school day to check on the garden, weed beds, and water. They were surprised by how the garden beds have held up against the high flood waters around our school and realized that the richness of the soil, resulting from the flooding, has created good conditions for the growth of vegetables. The students who constructed the apiary most enjoyed using tools and problem-solving during the building process. Students have enjoyed learning about the environmental benefits bees provide.

How could a similar project be improved? Students overestimated the number of plants needed for the beds for fall, so were left with a surplus. It took us longer than we expected to organize and recruit students to join the garden project. As a result, we were not able to plant until late in the season. We ended with a remaining $131.08 left from the grant and we would like to apply those funds toward buying plants for spring planting. Ideally, we will have spring and summer plants in the ground before the summer so that we start the school year with a “crop” that will get students motivated to plant earlier in the fall season.







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: The project involved purchasing 40 recycling bins, one for each classroom at Catholic High School (CHS). The bins were purchased on May 10, 2022. The school was only recycling cardboard before these bins were purchased. The bins were placed in each classroom and the school developed a new recyling contract with the recycling company and pay an additionalmonthly fee to have weekly recycling instead of every other week. The students made posters and placed them around the school in October. The students would like the school to also recycle glass bottles and aluminum cans, but the school said it is an additional fee to recycle these items and they are not able/willing to pay that fee at this time. We are exploring other options, such as having volunteers haul the cans & bottles to the recycling center.

The 40 bins cost $316.73. There is still $183.27 remaining.

What did the students enjoy the most about this project? The students enjoyed making the posters to help educate the students at CHS about the importance of recycling.

How could a similar project be improved? This project was a first step in getting Catholic High School to expand its recycling program. There is still much room for improvement. The Environmental Crusader Club would like to explore how the school can begin recycling plastic bottles and aluminum cans. We hope to spend the remaining $183.27 on recycling bins for aluminium cans and plastic bottles and will explore ways to incorporate these into the current recycling program at CHS.



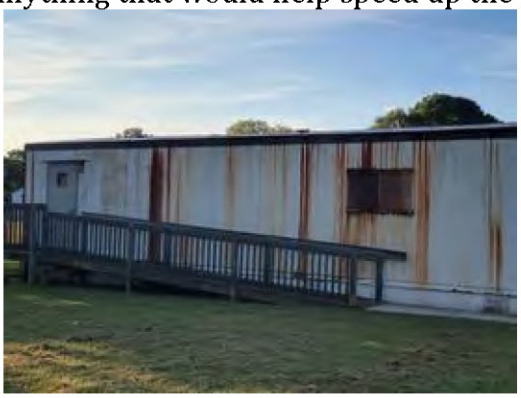
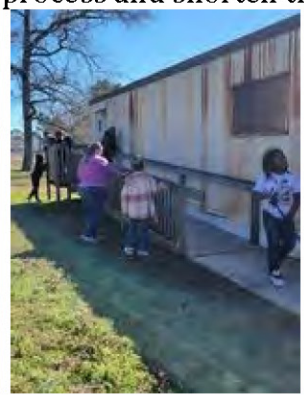
Project	**Community Mural**
Recipient	**Machen Elementary**
Locality	**Hampton**
Award	**$350.00**

Project Description: The aim of the project is to beautify one of the temporary buildings that are outside of our main school building. It currently houses our 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.

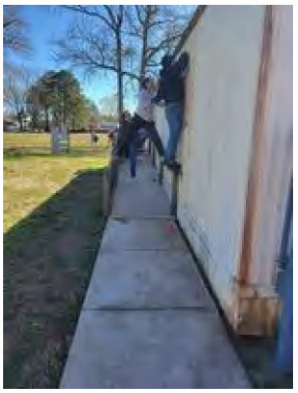
Project Outcome: This project was aimed at a school beautification project for our Machen after school program. We have a trailer that faces our playground and public park that was quite an eyesore and not a very welcoming part of our school. We wanted to make it something bright and beautiful!

What did the students enjoy the most about this project? The students enjoyed getting their hands dirty and getting involved in all phases of this project. It was great to see them get more excited as the project has neared completion. It truly is a symbol of their hard work and working together throughout the end of their year on Saturdays and after school for a common goal.

How could a similar project be improved? It was much more time consuming than originally anticipated, and also a little more costly. Weather definitely played a role in delaying our completion of the project, and we still have a few things to get it to be the way we want it to be. Similar projects could be improved by involving more students, having more adult help, getting the community more involved, anything that would help speed up the process and shorten the timeline of getting the project completed.











Project	**Recycling in the Classroom**
Recipient	**Phoebus High School**
Locality	**Hampton**
Award	**$500.00**

Project Description: Our school will add recycling bins to classrooms to increase the amount of recycling captured in our school's recycling program. Our school currently only has recycling available in the cafeteria and common areas

Project Outcome: The project involved purchasing 40 recycling bins, one for each classroom at Catholic High School (CHS). The bins were purchased on May 10, 2022. The school was only recycling cardboard before these bins were purchased. The bins were placed in each classroom and the school developed a new recyling contract with the recycling company and pay an additionalmonthly fee to have weekly recycling instead of every other week. The students made posters and placed them around the school in October. The students would like the school to also recycle glass bottles and aluminum cans, but the school said it is an additional fee to recycle these items and they are not able/willing to pay that fee at this time. We are exploring other options, such as having volunteers haul the cans & bottles to the recycling center.

The 40 bins cost $316.73. There is still $183.27 remaining.

What did the students enjoy the most about this project? The students enjoyed making the posters to help educate the students at CHS about the importance of recycling.

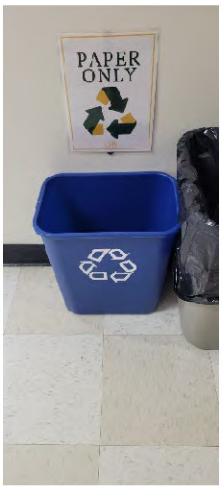
How could a similar project be improved? This project was a first step in getting Catholic High School to expand its recycling program. There is still much room for improvement. The Environmental

Crusader Club would like to explore how the school can begin recycling plastic bottles and aluminum cans. We hope to spend the remaining $183.27 on recycling bins for aluminium cans and plastic bottles and will explore ways to incorporate these into the current recycling program at CHS.













Project	**Recycling and the 3Rs**
Recipient	**Mary Peake Elementary**
Locality	**Hampton**
Award	**$241.71**

Project Description: The project will be the first step towards recycling in our school. We will begin with paper recycling and place blue bins in each classroom. Our goal is to have this project serve as a springboard to additional recycling and composting projects.

Project Outcome:

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.

askHRgreen.org
Summary & Results for askHRgreen Mini-Grants Awarded in FY23
Total Projects Funded FY23 – 9
FY23 Mini Grant Budget - $16,338.14
Total Funds Awarded - $4.289.63

Name of Project	Number of Students	Project Description	School/Facility	City/County	Awarded
Garden Project	400	To start a children's garden with native plants, flowers, vegetables and pollinators. To encourage learning through a discovery process that will increase students' understanding in science by connecting them to nature, plants, and gardens by creating habitats, including a pollinator garden. Kingston is just beginning our first garden area. We are installing four to six 4' by 6' raised beds gardens. Our beds will be in mostly sun. Some examples of native plants we will seek from local farms/gardens include: wild hydrangea, swamp or common milkwood, bee balm, common yarrow, butterfly weed, joe-pye weed, cone flower. The plants we get will depend on what is available locally, and the time of the year. We hope to obtain drought tolerant plants as well. We will look at the planting guidelines on your website to support and attract native plants and animals/insects. The students will dig, plant, weed, water, harvest, compost as necessary. All student activity will be under the supervision by teachers and other adults. No insecticides or chemical pesticides will be used on the beds. During the school year, beds will be maintained by students. During the summer months, all maintenance/harvest/watering will be done by school families, the Garden Guardians, which is part of the Kingston PTA, and under the supervision of the School Garden Team, including myself.	Kingston Elementary School	Virginia Beach	$500

Name of Project	Number of Students	Project Description	School/Facility	City/County	Awarded
Vermicomposting	32	Two four-year-old classes will be responsible for maintaining the worm bin. Using their scraps from lunch and leaves from our playground (and additional purchased supplies to keep a 1-1 ratio) they will feed the worms and observe worm behavior. We would like to promote putting less food waste into the trash cans. We will learn about how worms eat and tunnel to create aerated soil and how the worm tea is produced. Using the resulting composted soil and tea in our garden, we will demonstrate how we can make our own healthy soil for the plants on our playground and in our vegetable and flower beds.	Parish Day School	Virginia Beach	$310
Ocean Pollution Starts on Land	510	We created a "green" shelf in our school library last year with the funds from the askHRgreen mini grant. We purchased 36 new hardcover books to stock our green shelf. We would like to purchase more books for this shelf to expand our collection of environmental books. We do schoolwide beach cleanups each month and spotlight our green books on our morning news show. The books are purchased for students in grades kindergarten through 5th. These books encourage our students & their families to join local cleanups and to do their part to be a solution to the pollution problem. Our Ecology Club is made up of 5th graders who participate in oyster restoration, growing wetlands grasses, & they love to read to classes throughout the year.	Hermitage Elementary School – Ecology Club	Virginia Beach	$500.00
Meaningful Watershed Experience	80	Meaningful Watershed Educational Experiences (MWees) are hands-on programming expectations that ensure students understand their impact and realize their personal power to make changes in their local community. This funding will help students understand how water moves through the Chesapeake Bay Watershed and explore ways the	Walsingham Academy	Williamsburg	$480.00

Name of Project	Number of Students	Project Description	School/Facility	City/County	Awarded
		health of the ecosystem can be impacted by human interactions			
Native Trees	190	We will purchase 100 native bareroot seedling Dogwood trees from the Virginia Dept. of Forestery nursery and plant them in 2.5 gallon pots using soil comprised of purchased compost and perlite. 4th grade students will pot the seedlings in Spring 2023, maintain them at our school garden area (weed and water) for a year and take them home for planting in the spring of 2024.	Norfolk Academy	Norfolk	$500.00
Save the Bees	15	Our environmental club at Hugo Owens Middle School would like to build a pollinator garden on school grounds to provide habitat to migratory pollinators and increase in the availability of native pollinating plants. Pollinating populations have been in decline world wide and our club members firmly believe that in order to strengthen ecosystems, we are responsible for maintaining biodiversity and offset habitat lost through replanting and maintaining pollinator gardens.	Hugo Owens Middle School	Chesapeake	$500.00
Cultivating Crops and Connections	44	Kings Grant Elementary is starting a garden club for students in 3rd through 5th grade. Students will be learning about sustainability and cooking through hands-on experiences while forming relationships with their peers. This grant will help us bring more attention to sustainability practices for our entire school of 500 students, and it will allow all grade levels, K-5, access to observing the natural growth of plants from seeds to vegetables.	King's Grant Elementary	Virginia Beach	$499.63
PROJECTS THAT WILL CARRY OVER TO FY24					
Recycling in the Classroom	1766	Our school does not currently have a school-based recycling program. We would like to add bins to the	Bethel High School	Hampton	$500.00

Name of Project	Number of Students	Project Description	School/Facility	City/County	Awarded
		classrooms that are eager to recycle. The SPED students are recycling plastic film (TREX) currently and would like to add curbside collection to the list. We have18 SPED students total between two functional classes that will participate in this program.Teachers have already submitted their input to order recycle bins for their classrooms. So far, 32 teachers have responded and are willing to take part in this pilot program			
Native Plant and Pollinator-Friendly Garden	660	Chesapeake is one of the fastest-growing cities in the Hampton Roads region of southeastern Virginia. Protecting our native habitats, plants, and species will become increasingly important in the years to come. Our project is to provide native plants to pollinators such as bees and butterflies while providing hands-on learning opportunities for our students. Creating outdoor learning spaces using native plants will not only educate our students but will teach them responsibility in caring for local habitats and the environment. Startup materials will be purchased locally and long-term maintenance will be provided by various student groups.	Great Bridge Primary School	Chesapeake	$500.00
PROJECTS AWARDED IN FY22					
Rain Garden and Bee Hive	40	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	Hague School	Norfolk	500

Name of Project	Number of Students	Project Description	School/Facility	City/County	Awarded
		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.			
Recycling in the Classroom	420	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.	Catholic Highschool	Virginia Beach	500
Community Mural	350	The aim of the project is to beautify one of the temporary buildings that are outside of our main school building. It currently houses our 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.	Machen Elementary	Hampton	500
Recycling in the Classroom	90	Our school will add recycling bins to classrooms to increase the amount of recycling captured in our school's recycling program. Our school currently only has recycling available in the cafeteria and common areas	Phoebus High School	Hampton	500
Recycling and the 3Rs	500	The project will be the first step towards recycling in our school. We will begin with paper recycling and place blue bins in each classroom. Our goal is to have this project serve as a springboard to additional recycling and composting projects.	Mary Peake Elementary	Hampton	$241.71

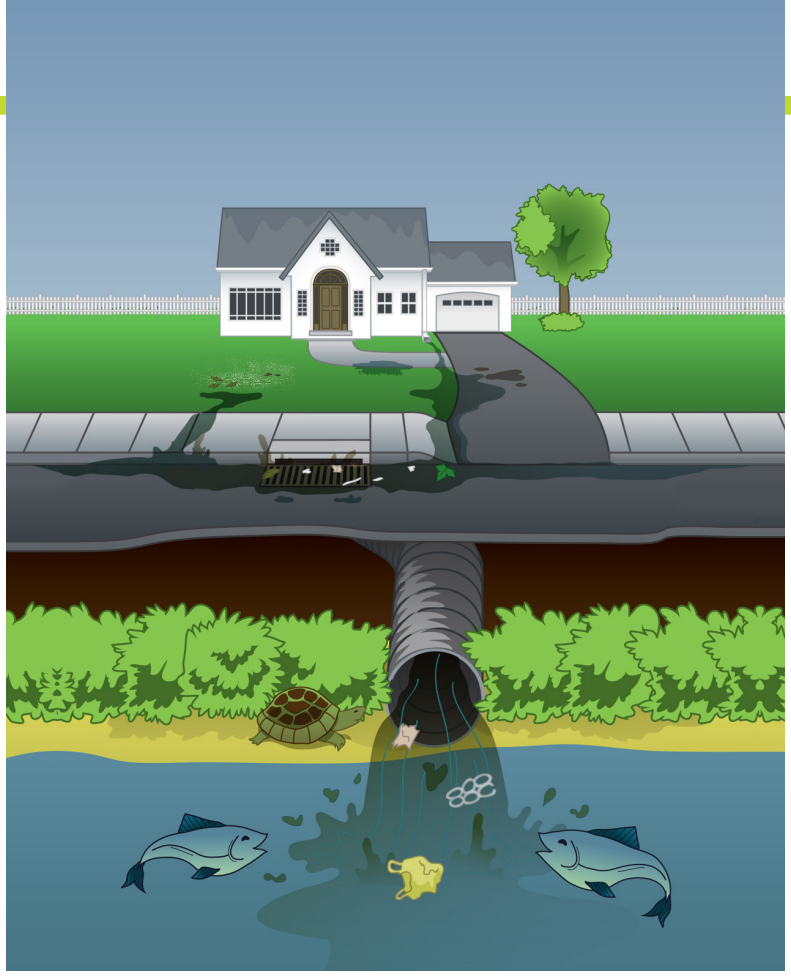
CITY OF NORFOLK PUBLIC WORKS

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:

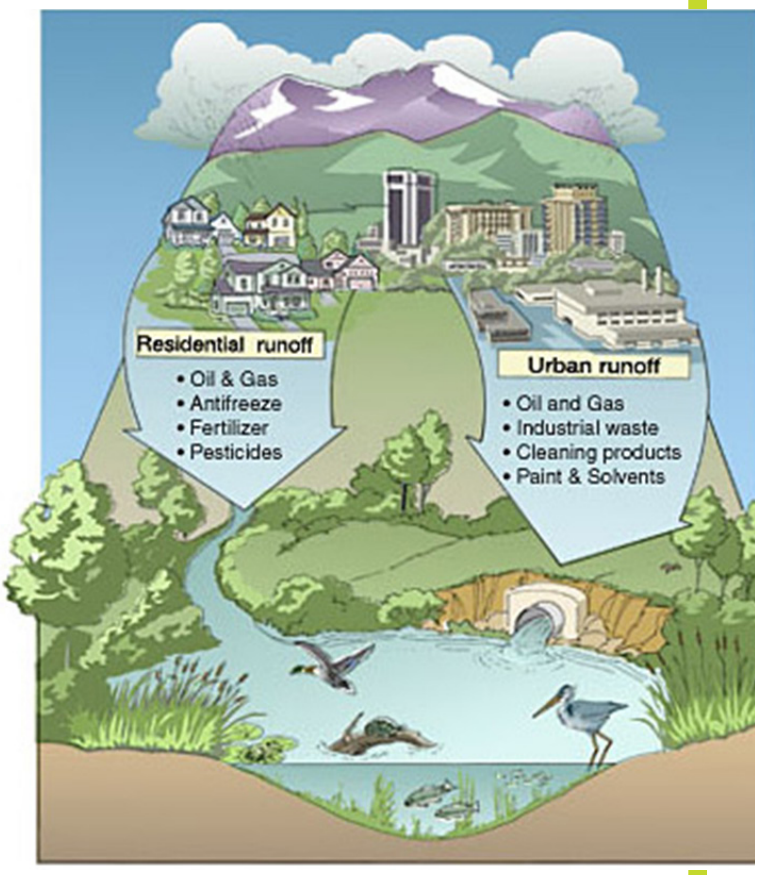
- Installation of **Residential** (one but no more than four residential/dwelling units) storm water management facilities
- Installation of **Non-residential** (property not meeting the residential criteria, including, but not limitied to, industrial, commerical, recreational, cultural, multi-family-5 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

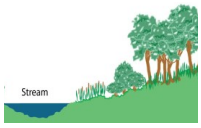
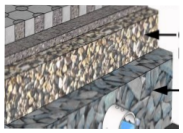
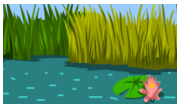
Multiple SWMFs may be installed per property to stack load reductions, but they may not treat the same drainage area.

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

SW Fee Reduction - Current Active Accounts FY23

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	Date Approved/Received 2023 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	5/3/2023	
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	4/26/2023	
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	5/24/2023	
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	4/26/2023	Secondary email-jfcole23@cox.net
James & Rebekah Weckerly	5421 Powhatan Ave. Norfolk, VA 23508	1429224337	jamesweckerly@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	5/1/2023	
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	4/26/2023	
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	4/26/2023	
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	5/29/2023	
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	6/6/2023	
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	5/13/2023	
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	5/22/2023	
Michael Borkoowski	1824 Ara Street	1504667363	meb890@aol.com	757-650-8445	2 Rain Barrel's	20.0%	7/29/2021	N/A	N/A	N/A	N/A	5/24/2022	5/4/2023	
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	5/30/2023	
Deborah & David Stearns	107 W. Severn Road	10525875	easier@cox.net	757-489-4049	1 Living Shoreline, 1 Rain Barrel	60.0%	9/25/2021	N/A	N/A	N/A	N/A	4/10/2022	5/3/2023	
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	6/19/2023	
Stephanie Olexson	9542 18th Bay Street Norfolk, VA 23518	1550631643	solexson@yahoo.com	908-397-7474	1 Infiltration Trench, 1 Detention Basin	40.0%	8/2/2022	N/A	N/A	N/A	N/A	N/A	New property owner application approved 8/2/2022-reinspection report not required.	
Jason & Sarah Aschenbrenner	742 Norman Ave Norfolk, VA 23518	00809352	aschenbrenner22@gmail.com	402-297-6565	1 Rain Barrel	10.0%	10/6/2022	N/A	N/A	N/A	N/A	N/A	N/A-Renewal not required in 2023 due to new application.	
Lisa Billow	1720 Blair Road Norfolk, VA23509	2872900	lbillow@cox.net	757-577-2974	2 Rain Barrel's	20.0%	9/12/2022	N/A	N/A	N/A	N/A	N/A	N/A-Renewal not required in 2023 due to new application.	
Cameron Miksch	115 DuPont Circle Norfolk, VA 23509	260	julia.coppinger@gmail.com	804-387-9629	1 Rain Barrel	10.0%	1/23/2023	N/A	N/A	N/A	N/A	N/A	N/A-Renewal not required in 2023 due to new application.	
Virginia Sheppard & Cathy Gumtow	9321 Mason Creek Road Norfolk, VA 23503	1531634637	cgumtow@yahoo.com	757-587-9370	1 Rain Barrel	10.0%	3/17/2023	N/A	N/A	N/A	N/A	N/A	N/A-Renewal not required in 2023 due to new application.	
Betty Baucom	3139 Locust Ave Norfolk, VA 23513	61505200	bettybaucom@cox.net	757-620-5995	1 Rain Garden 1 Rain Barrel	30.0%	8/19/2022	N/A	N/A	N/A	N/A	N/A	N/A-Renewal not required in 2023 due to new application.	

SW Fee Reduction - Current Active Accounts FY23

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	Date Approved/Received 2023 Reinspection Report	Comment
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	5/3/2023	
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	4/27/2023	
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	5/5/2023	
Molly La Rocco	1851 Edgewood Ave Norfolk, VA 23503	5381500	mollylarocco@gmail.com	330-310-5325	1 Rain Garden	40.0%	8/2/2022	N/A	N/A	N/A	N/A	N/A	N/A-Renewal not required in 2023 due to installation during FY22	

City of Norfolk, VA

2022 Chemical Spill Response Training

Monday, September 26, 2022

Pre- Registration

	Last Name	First Name	Signature	Dept.	Phone #
1	Amos	Donald		S+B	
2	Ashby	Anton		S+B	757-636-0254
3	Austin	Randy			
4	Banks	Craig			
5	Boddie	Quincey		S/W	757-515-3694
6	Bolden	Thomas			
7	Boose	Tommie		WM	44-1176
8	Bright	Levon		S/B	636 0248
9	Broadnax	Jermel			
10	Brown	Breeyon		S/W	808-480-1108
11	Bullock	Clarence		WM	757-441-1176
12	Cardet	Ramon		W/P	441-5678
13	Carter	Donnie		WM	441-1176
14	Carter	Michael		Sturm, W	515-2485
15	Chatmon	Shawn		WM	441-1176
16	Cobarrubia	Francis			
17	Coston	Alvin		WM	757-406-7679
18	Cousins	Larry			
19	Cross	Thomas		S/B	373-5473

	Last	First	Signature	Dept	Phone
20	Dailey	Don	Don Dailey	WM	(757) 701-0205
21	Dalton	Gregory			
22	DeBerry	Tariq	Tariq DB	WM	757-769-5984
23	Delahaya	Robert	Robert Delahaya	PW	757 823 4016
24	Doan	Audrey	Audrey Doan	PW	757-793-1119
25	Dodd	Korrie		PW	757-~~345~~ 359-8662
26	Eddins	Jerold	Jerold Eddins	WM	757-441-1176
27	Edmonds	William	William Edmonds	WM	757-441-1176
28	Edwards	Donnell	Donnell A Edwards	S+B	757-581-1390
29	Emerson-Greene	Melissa	Melissa Emerson-Greene	PW.	757-635-1655
30	Fisher	Wallace			
31	Flythe	Timothy	Timothy Flythe	WD	757-374-3634
32	Forest	Myron			
33	Foster	Nathaniel		S+B	757-636-0212
34	Gill	Adrian	Adrian Gill	WM	757 441-1176
35	Gillikin	Tammy		PW-ROW	7572626454
36	Grant	Charles		SW	757 338-6097
37	Green	Tim		SW	757 621-7737
38	Hall	Xavier	Xavier Hall	SW	757-407-2463
39	Hatten	Johnny			
40	Henry	Shawn	Shawn Henry	~~PW~~ SW	823. 4016
41	Hill	Travis	Travis Hill	~~SW~~ Stormwater ~~SW~~	757-805-7739
42	Hines	Joshua	Joshua Hines	S/W	7577240603
43	Hudgens	Cullen	Cullen Hudgins	Utilities	7576154926

	Last	First	Signature	Dept	Phone
44	James-Parson	Alfred		WM	441-1176
45	Jefferson	Androse			
46	Johnson	Clifford		WM	441-1176
47	Johnson	Anthony		Public Ctr	823-4051
48	Jones	Curtis		Water Works	441-5716
49	Jordan	Angelia		Stormwater	823-4010
50	Joseph	Asheba			
51	Kelley	Mike		SW	235-8871
52	Lewis	Robert			
53	Littlejohn	Christopher		S/B	8234057
54	Mack	Peter		SW	823 0609
55	Magruder	Casey		SW	823-4010
56	McGuire	Danny		Storm W	823-4019
57	Mead	Kacy		S&B	373-8137
58	Mills	Jonathan		WM	441-1176
59	Montgomery	Desi		SW	754 5756
60	Mullings	Juan		S&B	823-4051
61	Muniz	Jorge		SW	757-705-1897
62	Neer	Thomas			
63	Norfleet	Chris			
64	Osibogun	Michael		S/B	757 622 0818

	Last	First	Signature	Dept	Phone
65	Parker	Miracle	Miracle Parker	WM	757 633-9859
66	Parzynski	Antonio		WM	441 1176
67	Person	Maurice		WM	441-1176
68	Powell	Madison		UT	757 404 6984
69	Quick	Kyle	Kyle B Quick	SW	359-1750
70	Ridley	Darnell			
71	Rogers	Thomas			
72	Slater	Matthew		W.M-	757-441-1176
73	Smith	Fred	Fred A Smith	Storm Dr	757-359-6073
74	Smith	Bashond		Streets & bridges	757-403-9944
75	Smythe	Bryan		Street Bridge	757-943-4411
76	Speller	Alan		W.M	757-418-4935
77	Speller	Eric	Eric Speller	Stormwater	757 407 8979
78	Spencer	Felicia	F Spencer	Stormwater	757 359-6073
79	Stewart	Roger			
80	Stone	Claude		Water Produc	757-338-1531
81	Saunders	Darryl	D Saunders	WD	757-403-7671
82	Taylor	Chris		SW	823-4010
83	Thomas	Shawn	Shawn Thomas	WM	757-713
84	Thompson	Andrew	Andrew K Thompson II	Water Prod.	757-539-4621
85	Todd	Markiya			
86	Tressler	Joseph		WM	441-1176

	Last	First	Signature	Dept	Phone
87	VanLear	Christina		SW	757.621.2936
88	Weaver	Gary		Storm Water	(757) 560-6170
89	Weigle	Suzannah		HR	751 752-1[illegible]
90	Whitaker	Darnell			
91	White	Thurland		St & Bridge	757-620-3645
92	Willard	Richard			
93	Willis	Marquill			
94	Wilson	Laurie		WD	7576762232
95	Wood	Patrick			
96	Wooten	Donte			
97	Holliday	Larshell	Larshell Holliday	WM	441-1176
98	Perry	James		WM	441-1176
99	Guest	Michael		CT	757-403-4857
100	Gregory	DAlton		Streets	757-377-0951
101	Arnold	Robert		Waste Mang	757-441-[illegible]876
102					
103					
104					

Thurs

Gordon	Jafar		Water Treatment	1 hr Lunch
Gregory	Aaron		water Treatment	757-705-8716 (757) 770-1764

City of Norfolk - Public Works Environmental Storm Water Management

DRY WEATHER MONITORING - FY23

Date	Address or Intersection	Findings	Resolution Date	Resolution
3/1/2023	1207 Covel St	No findings	No need for resolution.	
3/1/2023	1332 South Main St	No findings	No need for resolution.	
3/1/2023	1525 South Main St	No findings	No need for resolution.	
3/7/2023	1700 Norview Ave	No findings	No need for resolution.	
3/8/2023	6110 N Military Highway	No findings	No need for resolution.	
3/8/2023	6139 Ball Ave	No findings	No need for resolution.	
3/8/2023	1908 Norview Ave	No findings	No need for resolution.	
3/8/2023	6112 Grimes Ct	No findings	No need for resolution.	
3/9/2023	3486 N Military Highway	No findings	No need for resolution.	
3/9/2023	3459 Gamage Dr	No findings	No need for resolution.	
3/9/2023	3650 N Military Highway	No findings	No need for resolution.	
3/15/2023	3349 Loam St	No findings	No need for resolution.	
3/17/2023	3328 Sandy St	No findings	No need for resolution.	
3/17/2023	3328 Loam St	No findings	No need for resolution.	
3/17/2023	3331 Loam St	No findings	No need for resolution.	
3/17/2023	3338 Loam St	No findings	No need for resolution.	
3/22/2023	6353 Taylor Dr	No findings	No need for resolution.	
3/22/2023	1222 George St	No findings	No need for resolution.	
3/22/2023	6349 Taylor Dr	No findings	No need for resolution.	
3/22/2023	1261 Bousch Way	No findings	No need for resolution.	
3/22/2023	6228 Wailes Ave	No findings	No need for resolution.	
1/3/2023	1613 E Little Creek Rd	No findings	No need for resolution.	
1/3/2023	9631 Salem St	No findings	No need for resolution.	
1/3/2023	1871 E Little Creek Rd	No findings	No need for resolution.	
1/3/2023	6990 N Military Highway	No findings	No need for resolution.	
1/3/2023	1871 E Little Creek Rd	No findings	No need for resolution.	
12/29/2022	2400 Corprew Ave	No findings	No need for resolution.	
12/29/2022	1000 Tidewater Dr	No findings	No need for resolution.	
12/29/2022	900 Tidewater Dr	No findings	No need for resolution.	
12/29/2022	1200 Monticello Ave	No findings	No need for resolution.	
12/29/2022	242 W 21st St	No findings	No need for resolution.	
12/29/2022	3378 E Princess Anne Rd	No findings	No need for resolution.	
12/29/2022	1384 Ingleside Rd	No findings	No need for resolution.	
12/28/2022	1668 Madison Ave	No findings	No need for resolution.	
12/28/2022	2301 E Virginia Beach Blvd	No findings	No need for resolution.	
12/28/2022	103 Belvedere Rd	No findings	No need for resolution.	
12/28/2022	104 Windham Rd	No findings	No need for resolution.	
12/28/2022	268 E 40th St	No findings	No need for resolution.	
12/28/2022	265 E 40th St	No findings	No need for resolution.	
12/28/2022	3920 Holly Ave	No findings	No need for resolution.	
12/28/2022	516 Westover Ave	No findings	No need for resolution.	
12/28/2022	916 Blow St	No findings	No need for resolution.	
12/28/2022	526 Westover Ave	No findings	No need for resolution.	
12/28/2022	1001 Oakwood St	No findings	No need for resolution.	
12/28/2022	909 Oakwood St	No findings	No need for resolution.	
12/21/2022	7530 Yorktown Drive	No findings	No need for resolution.	
12/21/2022	468 Surburban Parkway	No findings	No need for resolution.	
12/21/2022	394 W Ocean View Ave	No findings	No need for resolution.	
12/21/2022	2533 Console Ave	No findings	No need for resolution.	
12/6/2022	4528 E Princess Anne Rd	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 hybrid in-person and web conference call meeting on 6/1/2023.

(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 has completed the Pleasant Point shoreline. The project extends up to VDOT land (I-264 underpass), but was not extended onto 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 continue to coordinate with VDOT to obtain an up to date MS4 VDOT service area. Norfolk's updated service area was submitted to DEQ in December 2020.

(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.

There are currently no opportunities for credit sharing at this time.

(*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 completed a Street Sweeping Monitoring program as part of the MS4 permit compliance. This program was designed to address sweeping efficiencies in the Coastal Plain that may be used for TMDL compliance. The City performed quarterly sampling as outlined in the sweeping monitoring program criteria and provided 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



2023
ANNUAL MS4 COORDINATION MEETING

MCM 7
June 1st, 2023 1:30-4:30
In Person/Microsoft Teams

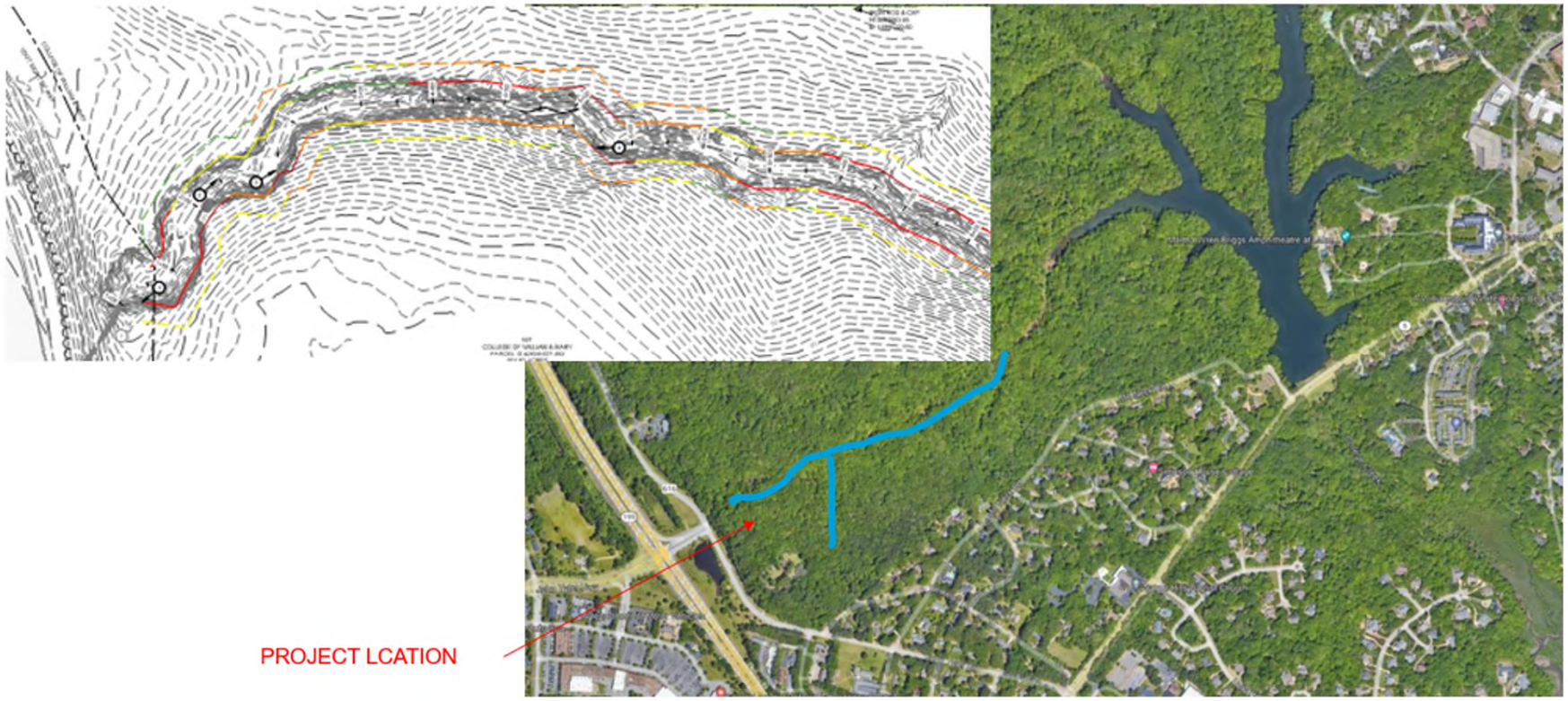
AGENDA

- Introductions
- Chesapeake Bay TMDL Action Plan Updates
  - Other TMDL action plan Updates
  - Credit for TMDL implementation
- Mapping
- IDDE
- NOAA Atlas 14 Updates
- Other Issues

VDOT MATOAKA WOODS STREAM RESTORATION

Williamsburg, Virginia

Project Location



Strawberry Creek Pre-Restoration



Stormwater BMP Outfall

- Failed Outfall
- 14+ Ft Incision / Gully
- High to Extreme Bank Erosion



Eroded Gully

- Sugar Sands
- Lacked Stream Habitat
- No Vegetation or Wetlands

Historical Condition



Strawberry Creek

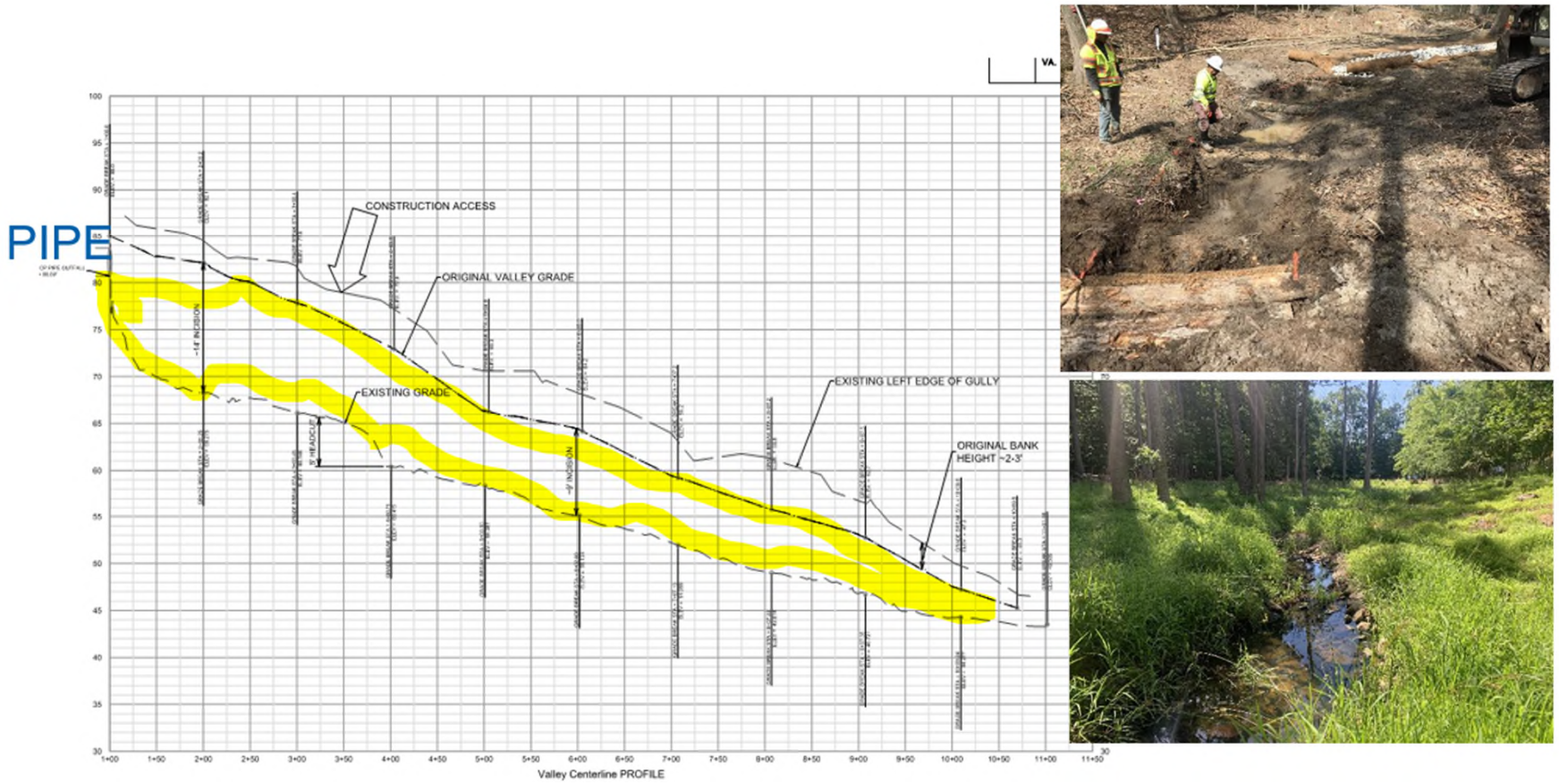
4% Step / Pool System

Relic Living Root Step



- Example of Living Root Step

Profile – Design Concepts



VDOT YORK RIVER STATE PARK - FOSSIL BEACH SHORELINE STABILIZATION

James City County, Virginia

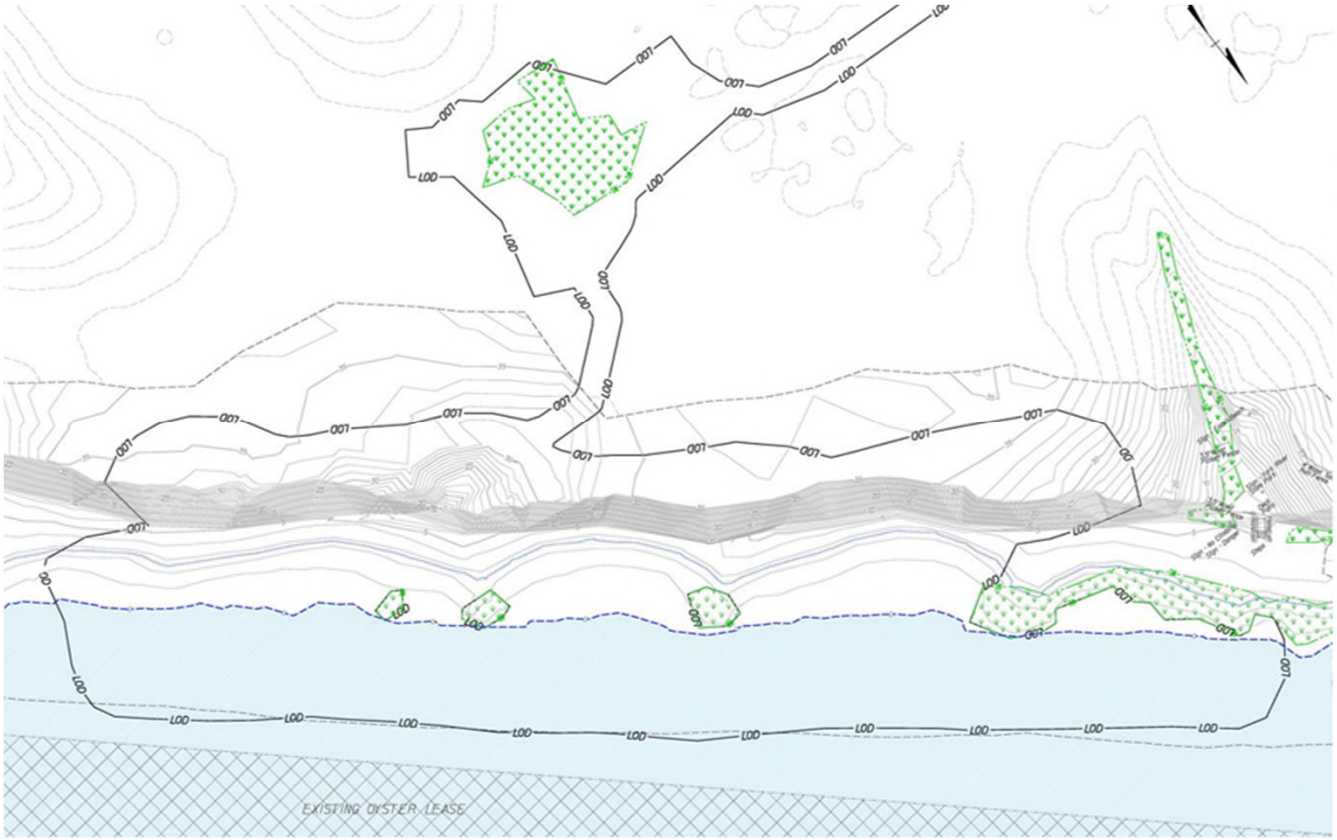
Project #: 00000-047-22985233

Aerial Photos





Pre-Restoration Conditions



608 LF of shoreline identified for restoration

Vertical bank heights 10-30’ along the York River

Shallow offshore (1’ depth)

TMDL Credits achieved

Fossil Beach at York River State Park

1,563 lb/yr TP **2,228 lb/yr TN** **2,568,288 lb/yr TSS**







CUA CHANGES & CREDITS ACHIEVED TO DATE

- # 2010 CUA vs 2020 – very little change

CUA Change Summary

CUA	2010 Area (acres)	2020 Area (acres)	Percent % Change	VDOT ROW Area 2010 (acres)	VDOT ROW Area 2020 (acres)	Percent % Change	VDOT ROW in 2010 in CBW (acres)	VDOT ROW in 2020 in CBW (acres)	Percent % Change
Bristol TN-VA	20,658	20,636	-0.108%	1,226	1,226	0.005%	-	-	-
Blacksburg, VA	32,912	32,823	-0.270%	1,603	1,601	-0.122%	-	-	-
Charlottesville, VA	22,314	22,324	0.044%	1,554	1,558	0.292%	1,554	1,558	0.292%
Fredericksburg, VA	50,289	50,285	-0.008%	4,682	4,677	-0.095%	4,682	4,677	-0.095%
Harrisonburg, VA	20,892	20,868	-0.112%	1,125	1,125	0.030%	1,125	1,125	0.030%
Lynchburg, VA	57,166	57,137	-0.050%	2,626	2,625	-0.054%	1,976	1,974	-0.084%
Richmond, VA	320,477	320,595	0.037%	23,842	23,843	0.003%	23,404	23,406	0.007%
Roanoke, VA	79,937	79,915	-0.028%	5,183	5,183	0.001%	16	16	1.047%
Staunton--Waynesboro, VA	24,513	24,512	-0.003%	1,381	1,379	-0.134%	1,381	1,379	-0.134%
Virginia Beach, VA	376,860	376,997	0.036%	13,475	13,477	0.010%	13,017	13,018	0.009%
Washington, DC--VA--MD	452,355	452,324	-0.007%	46,770	46,755	-0.033%	46,769	46,754	-0.033%
Williamsburg, VA	36,282	36,286	0.010%	2,720	2,719	-0.032%	2,720	2,719	-0.032%
Statewide Total	**1,473,997**	**1,474,066**	**0.005%**	**104,962**	**104,943**	**-0.018%**	**96,644**	**96,627**	**-0.017%**

TMDL Project Implementation to Date: Nutrient Reductions Achieved

36% reduction met and exceeded

POC	River Basin	36% Reduction Required for VDOT's MS4 Permit (lbs/yr)	Reduction Achieved	Percent of 36% Reduction Requirement Achieved
Nitrogen	James	7,007	39,474	563%
	Potomac	18,801	42,682	227%
	Rappahannock	905	4,651	514%
	York	868	5626.74	648%
Phosphorus	James	1,948	11,137	572%
	Potomac	2,811	9,060	322%
	Rappahannock	213	646	303%
	York	255	2,267	889%
Sediment	James	904,473	10,693,055	1182%
	Potomac	2,477,611	9,577,741	387%
	Rappahannock	77,268	1,841,196	2383%
	York	92,595	3,674,197	3968%

TMDL Project Implementation to Date: Nutrient Reductions Achieved

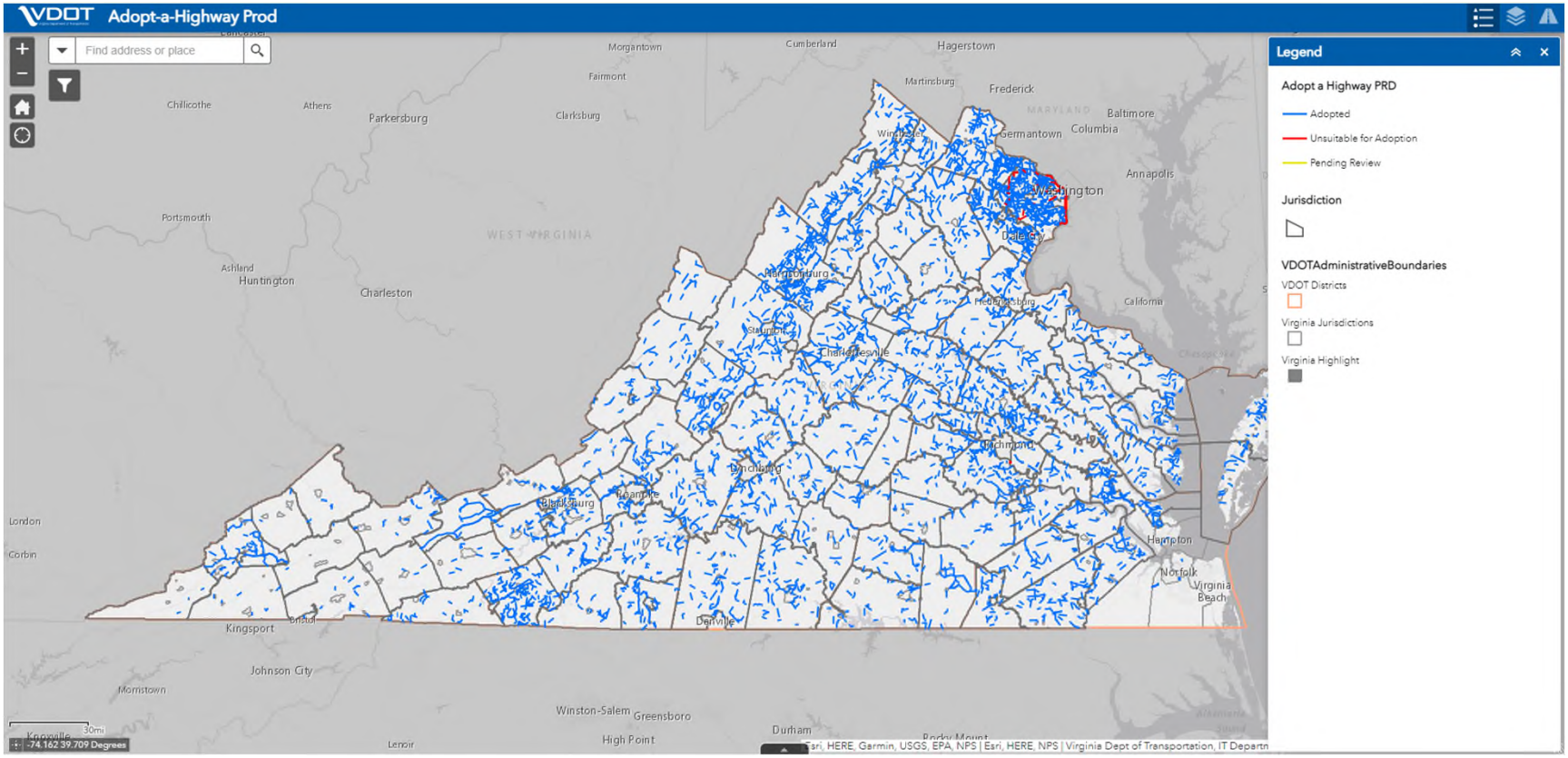
Projected 100% reduction met in many basins

POC	River Basin	Projected 100% Reduction Requirement	Reduction Achieved	Percent of Projected 100% Reduction Requirement Achieved
Nitrogen	James	19,464	39,474	203%
	Potomac	52,225	42,682	82%
	Rappahannock	2,514	4,651	185%
	York	2,411	5626.74	233%
Phosphorus	James	5,411	11,137	206%
	Potomac	7,808	9,060	116%
	Rappahannock	592	646	109%
	York	708	2,267	320%
Sediment	James	2,512,425	10,693,055	426%
	Potomac	6,882,253	9,577,741	139%
	Rappahannock	214,633	1,841,196	858%
	York	257,208	3,674,197	1428%

VDOT MS4 MAPPING UPDATES

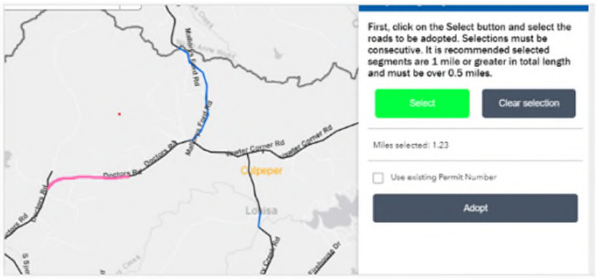
Adopt-a-Highway (AAH)

Adoption App



Adopt-a-Highway Hub Site





Adoption App

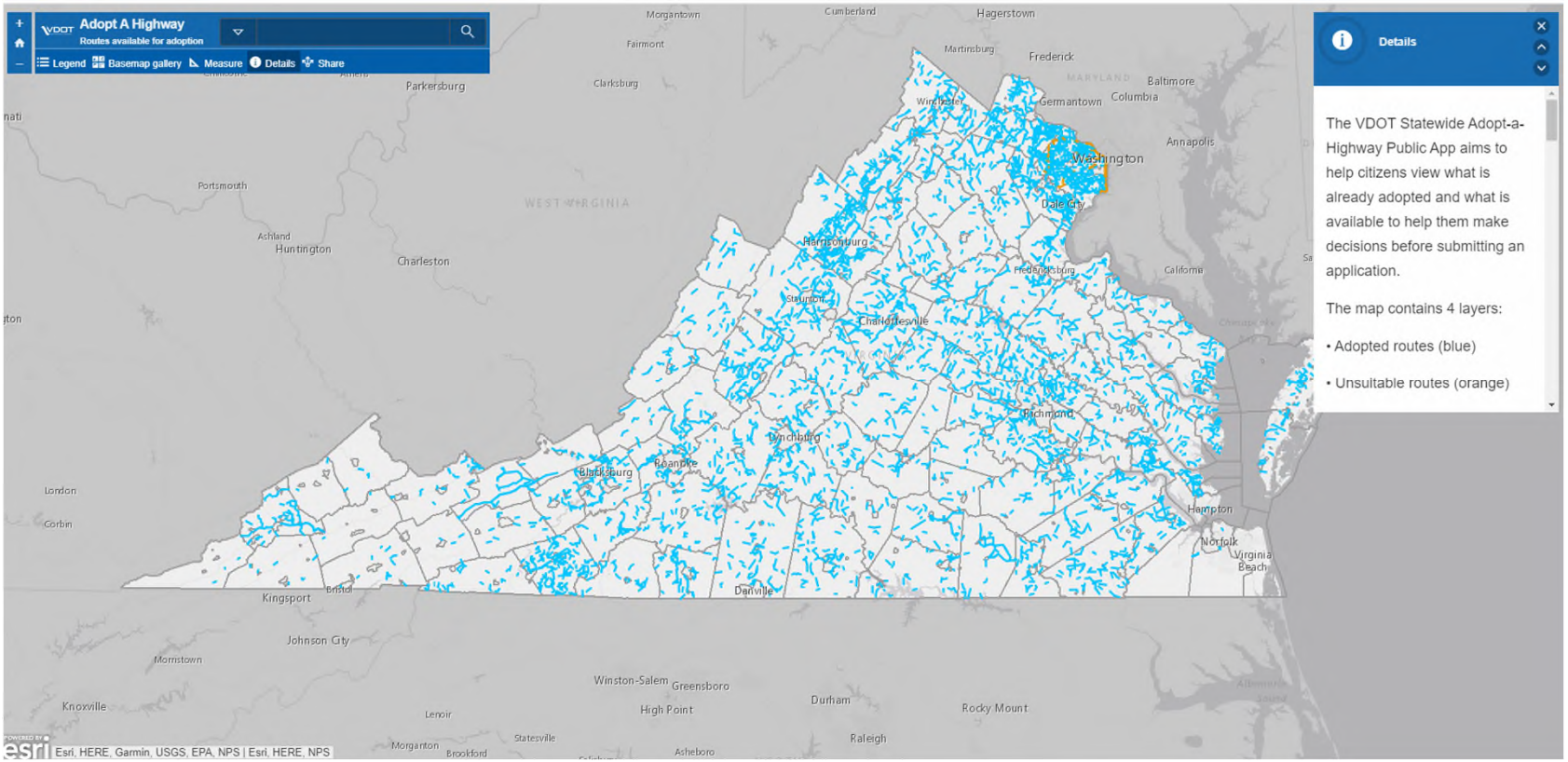


Coordinator Dashboard



Pickup Dashboard

Public Facing Map

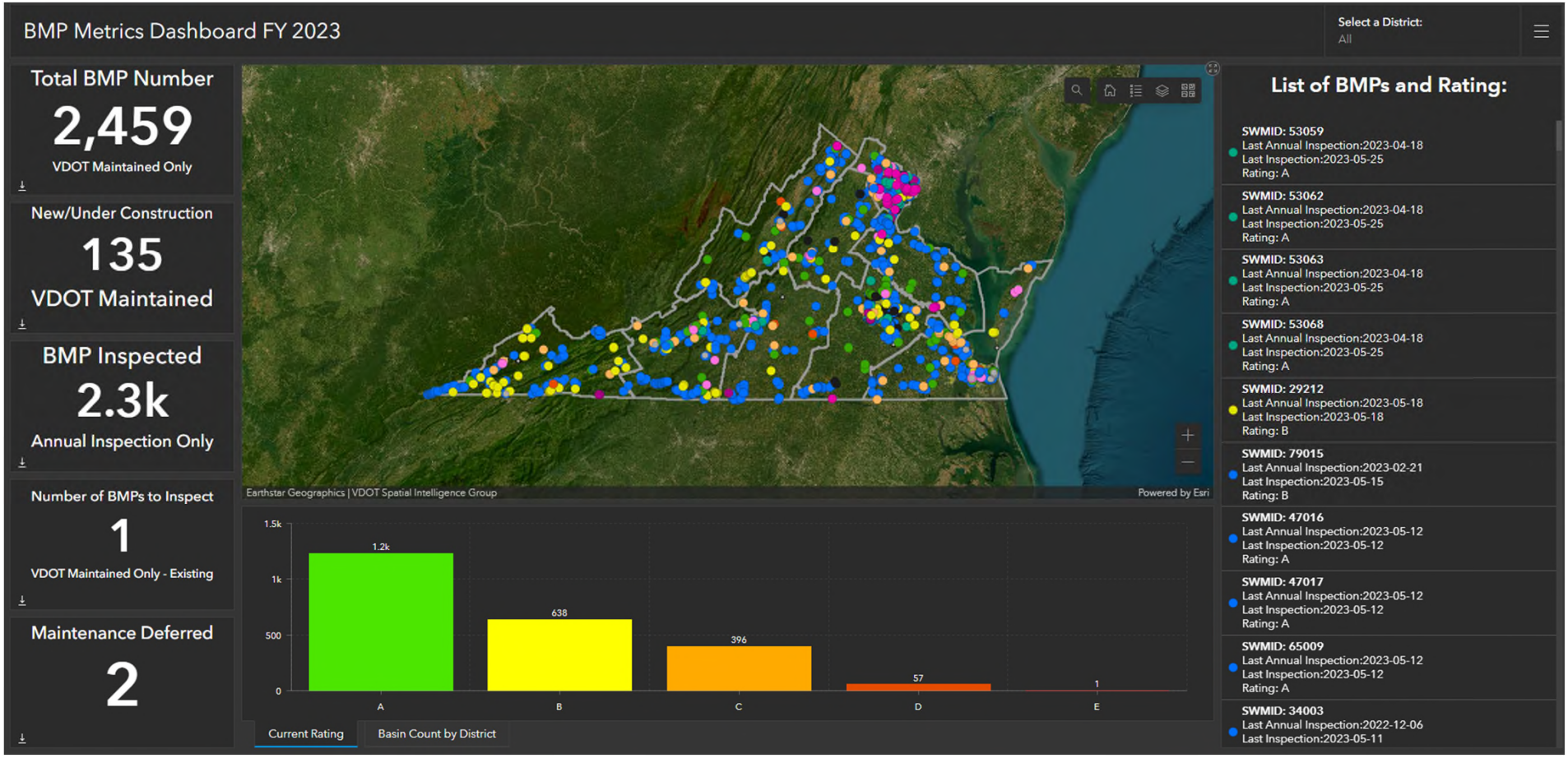


https://vdotgisportal.vdot.virginia.gov/portalx/apps/View/index.html?appid=2739ca569e564c6882b96bfa7840bc1f

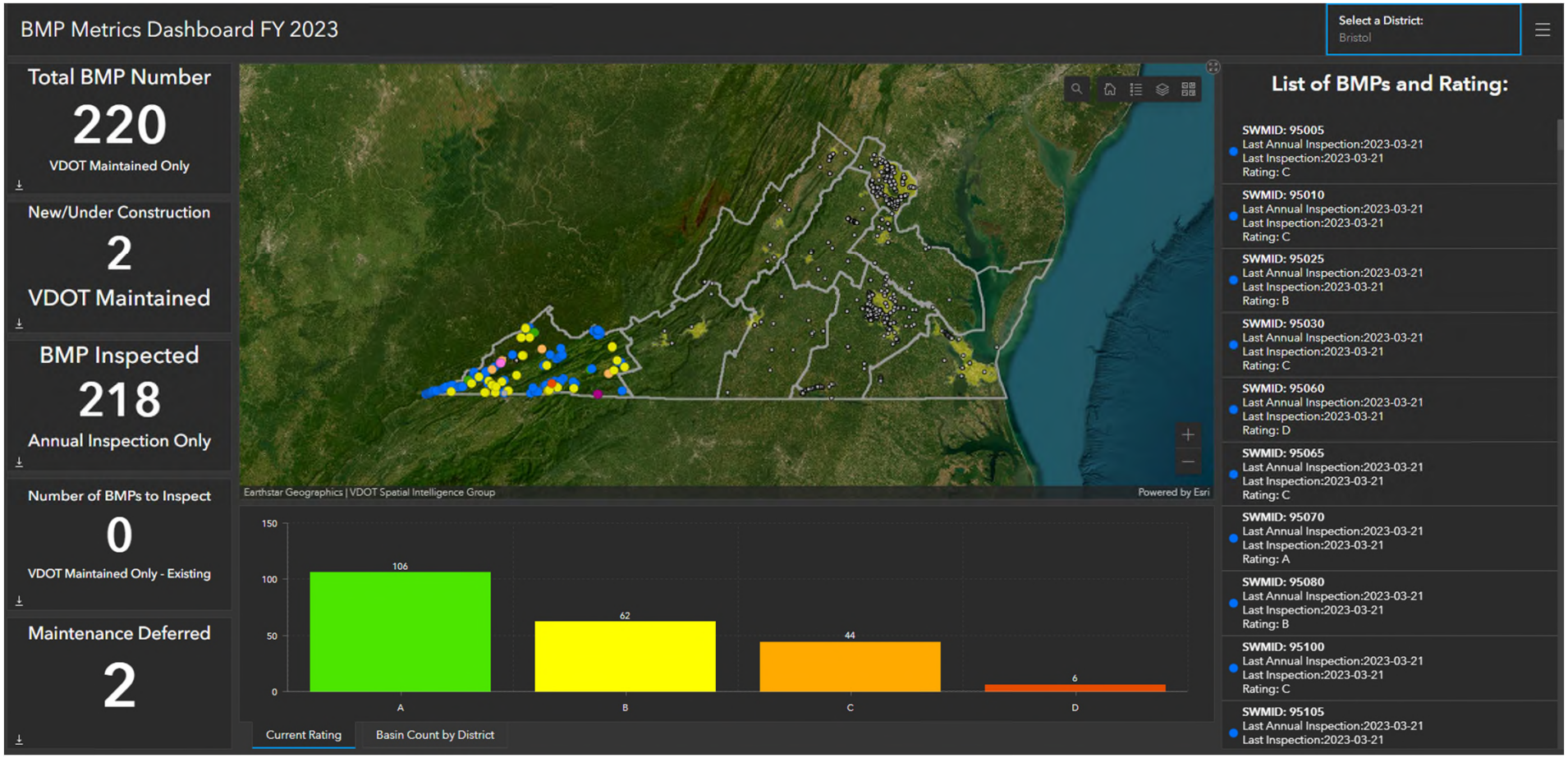
VDOT MS4 MAPPING UPDATES

BMP (Best Management Practices)

BMP Dashboard

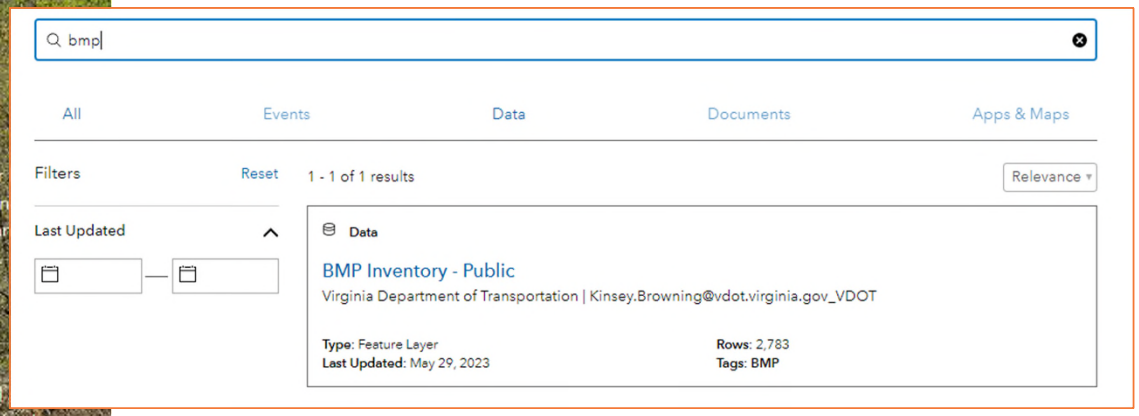


BMP Dashboard



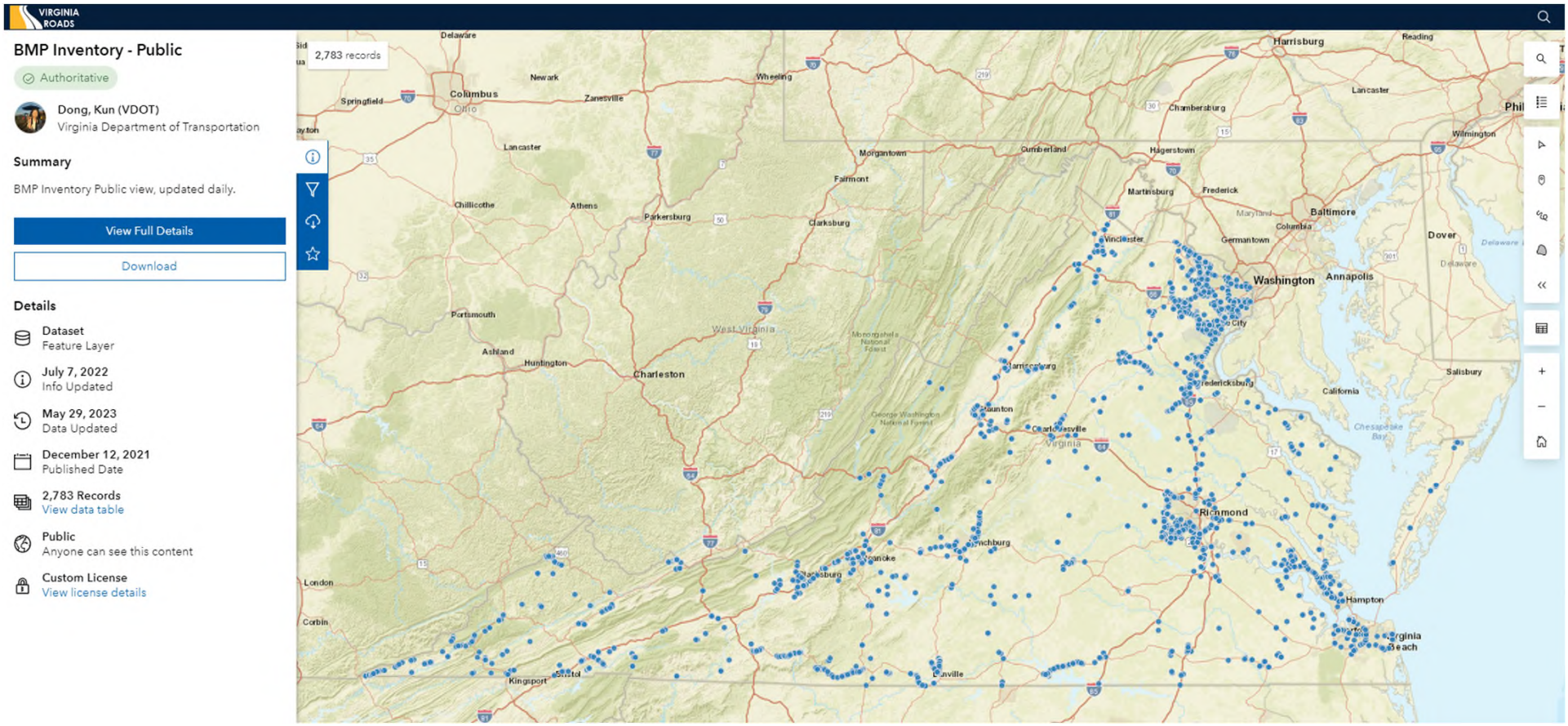
Public BMP Data





https://www.virginiaroads.org/

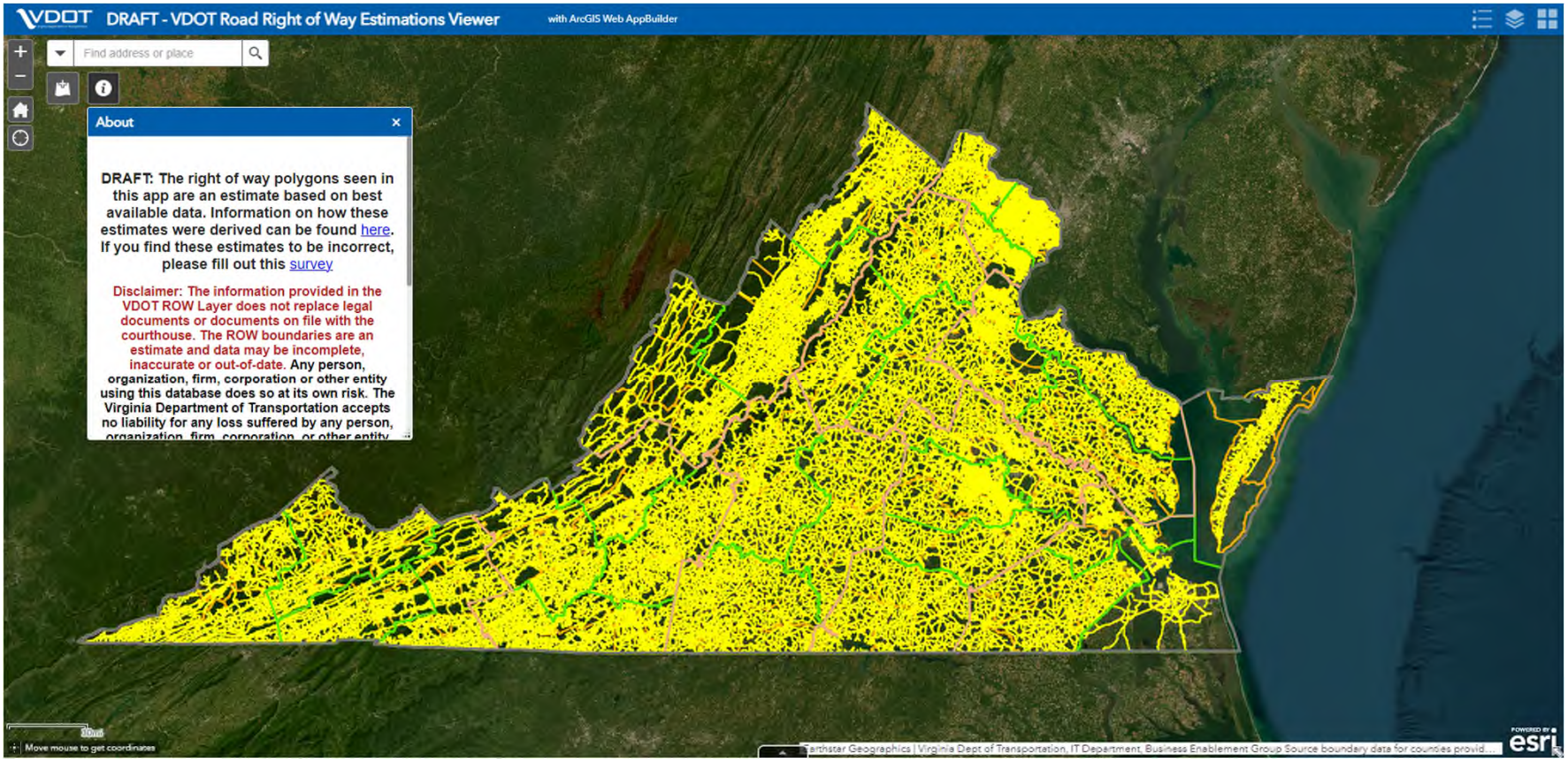
Public BMP Data



VDOT MS4 MAPPING UPDATES

Right of Way

ROW Internal Viewer



NOAA ATLAS 14 UPDATES

Precipitation and Call for Data

FHWA / NOAA Rainfall Study

NOAA Atlas 14 VI13: Current Activities

DOT-FHWA Pooled Fund Program Solicitation: https://www.pooledfund.org/Details/Study/702

Task Index	Work Plan Task Link	Task Description
1	1	Data collection and formatting; Metadata examination and station cleanup
2	1	Annual Maximum Series (AMS) data extraction and QC
3	2	Regionalization
4	3	Frequency analysis
5	4, 5, 6, 7	Derivation of mean annual maximum (MAM) and precipitation frequency (PF) grids at base duration
6	9	Peer review
7	2, 3,4, 5, 6, 7	Derivation of final gridded PF and confidence
8	8, 9, 10	Documentation, supplementary information and web publication



FHWA / NOAA Rainfall Study

FID	Data Provider	Dataset name	Abbr.	Status
1	National Centers for Environmental Information (NCEI)	Automated Surface Observing System	ASOS	Received
2		DSI 3240, DSI 3260	DSI 3240, DSI 3260	Received
3		Global Historical Climatology Network	GHCN-DAILY	Formatted
4		Environment Canada	GHCN-DAILY	Formatted
5		Integrated Surface Data (Lite)	ISD_LITE	Received
6		Local Climatological Data	LCD	Received
7		Hourly Precipitation Data (HPD) v1.0 Beta and v2.0 Beta	HPDv1, HPDv2	Formatted
8		United States CoCORAHS	GHCN-DAILY	Formatted
9		Canada CoCORAHS	GHCN-DAILY	Formatted
11		Weather Bureau Army Navy (WBAN)	GHCN-DAILY	Formatted
12		U.S. Climate Reference Network	USCRN	Formatted
13	Midwestern Regional Climate Center (MRCC)	CDMP 19th Century Forts and Voluntary Observers Database	FORTS	Received
14	National Weather Service (NWS) Mid-Atlantic River Forecast Center (MARFC)	Integrated Flood Observing and Warning System	IFLOWS	Contacted
15	National Oceanic and Atmospheric Administration (NOAA)	National Estuarine Research Reserve	NERRS	Received
16	National Atmospheric Deposition Program (NADP)	National Trends Network	NADP	Formatted
17	North Carolina State University, State Climate Office (NCSU)	North Carolina Environment & Climate Observing Network	ECONet	Partially Received
18	Pennsylvania State University (PSU)	Pennsylvania Environmental Monitoring Network	PEMN	Contacted
19	Tennessee Valley Authority (TVA)	Rainfall Gauge Data	TVA	Contacted
20	U.S. Department of Agriculture (USDA)	Agriculture Research Service	ARS	Received
21	U.S. Dept of Agriculture (USDA), Forest Service	Remote Automated Weather Station Network	RAWS	Received
22	U.S. Dept of Agriculture (USDA), Natural Resources Conservation Service (NRCS)	Soil Climate Analysis Network	SCAN	Received
23	University of Albany	New York State Mesonet	NYS	Received
24	University of Delaware, Center for Environmental Monitoring & Analysis	Delaware Environmental Observing System	DEOS	Received
25	University of Georgia	Georgia Weather Network	GWN	Received
26	Western Kentucky University	Kentucky Mesonet	KYM	Contacted
27	U.S. Geological Survey (USGS)	National Water Information System	NWIS	Investigating

CALL FOR DATA: We [NOAA] are interested in collecting all available precipitation datasets (daily, hourly, 5-minute, etc.) for stations in...Virginia...as well as in adjacent portions of neighboring states... We welcome any information on the data for this project area. If you have any relevant information, please contact us at ***hdsc.questions@noaa.gov****.*

FHWA / NOAA Rainfall Study

Timeline

Update	Project Area	2021	2022	2023	2024	2025	2026
NA14	VL12 (MT,ID,WY)						
NA14	VL13 (DE, MD, NC, SC, PA, VA)						
NA15	Vl 1 and Vl2 (CONUS)						

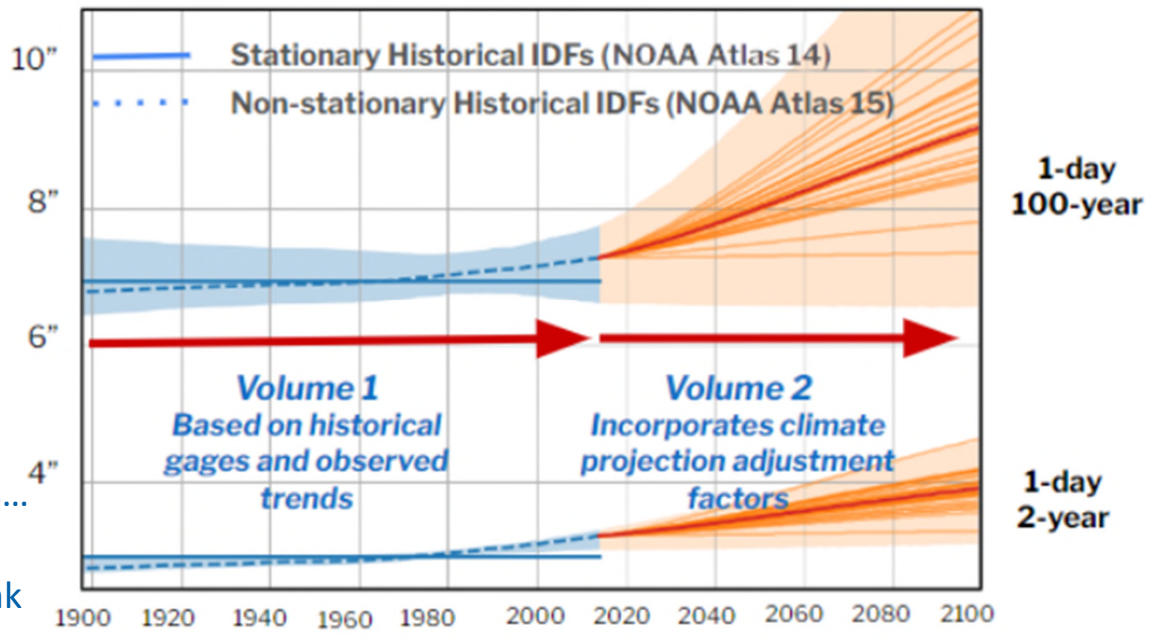
Planned release of the preliminary estimates, part of the peer review process

- **Atlas 15** Volume 1 will **supersede Atlas 14** Volumes

FLOODS Act was signed into law in December 2022, authorizing NOAA to establish a program to update precipitation frequency estimates at least every 10 years… this did not include a funding appropriation beyond the current Atlas 15 being prepared through BIL funding. Link to the FLOOD Act: https://www.congress.gov/bill/117th-congress/senate-bill/558/text/enr

NOAA Atlas 15

New National Precipitation Frequency Standard



Historical and future intensity-duration-frequency estimates (IDFs)

VDOT Coordination Meeting

June 1, 2023

City of Norfolk Representation:
Casey Magruder – Environmental Programs Manager

VDOT Representation:
Jennifer Dail, Michelle Fults, Jennifer Lightfoot, Alex Foraste, Kun Dong, Joseph Parfitt, Drew Hammond, Joe Felton

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 350 contractors have participated in the training since July 1, 2022. The program is still very active, receives positive reviews, and is going strong.

TMDL Updates

Chesapeake Bay TMDL:

VDOT is making great progress at achieving reduction goals. They met and exceeded the 36% reduction by the end of the permit cycle. These projects include stream restoration, shoreline stabilization, BMP retrofits, catch basin cleanouts, and nutrient credits. They are now working towards the 100% reduction, and feel they are on target.

Norfolk is also in good shape and have exceeded all reduction requirements for the second permit cycle (40%). 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

There is still no movement on the MS4 permit reissuances at the time of this meeting.

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.

Mapping Updates

Adpot-A-Highway management system has launched after 3 years. It shows the segments that have been adopted. There is also the ability to adopt segments through the system.

VDOT is asking the Cities to review ROW's and check ownership of roads and ROW sections: City or VDOT?

Over the summer VDOT will be working on digitizing limited access roads.

VDOT's BMP Inspection and maintenance Manual is being consolidated.

NOAA Atlas 14 Updates

NOAA rainfall study underway, with new data set to be published in 2025 to update precipitation frequency estimates. NOAA has issued a call for rainfall data from stations throughout Virginia and adjacent portions of neighboring states.

REGIONAL WATER QUALITY MONITORING PROGRAM
ANNUAL REPORT

FISCAL YEAR 2022-2023

This effort was included in the HRPDC Work Program for FY 2022-2023, approved by the Commission at its Executive Committee Meeting on May 19, 2022

Prepared by the staff of the
Hampton Roads Planning District Commission
in cooperation with the
Regional Stormwater Workgroup

September 2023

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Regional Water Quality Monitoring Program Annual Report

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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 courtesy of Aaron Porter, USGS.

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Funding was provided by the six local governments that are Phase I MS4 permittees, through the HRPDC Regional Stormwater Management Program.

September, 2023

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 and to calibrate the model 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 was hosted in March, 2023 to identify how this data, coupled with other urban and agricultural networks, could be used for the next iteration of the watershed model. A draft report from the workshop findings is in development and HRPDC staff will be providing informal briefs of the report's recommendations to the various workgroups and goal teams in the Bay partnership.

In addition to the STAC workshop report, USGS published a report summarizing the first five years of the study (2016 – 2020). The assessment includes comparing streamflow and chemical constituents across the three land uses, calculating annual sediment and nutrient loads, and comparing those loads with other urban networks. The report is linked on USGS's updated

website which also includes new features. There is new ease of access to the station data, publications, and a geo narrative that provides a comprehensive overview of the purpose, methods, and findings of the network.

For the six Phase I MS4 localities, 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 network 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 seven 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).



Figure 1. Locations of the 12 water quality monitoring stations, overlaid on 2017-18 land use, in Hampton Roads, VA.

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.

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. 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 on a tab in the new USGS website for the network. 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 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 the USGS site.

Results

Monitoring station installation began in April 2015 with all stations on-line and collecting data by December 2016. Between July 1, 2022 and June 30, 2023, across multiple storm events, approximately 420 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. Several instances of drought conditions have been observed, particularly during the spring of 2021 and 2023. 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.

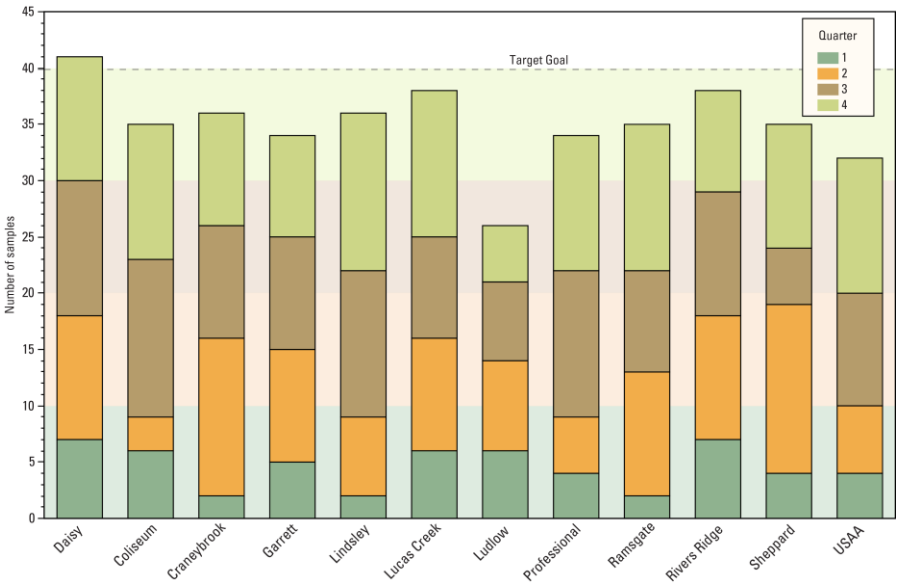

Figure 3. Total sampling events per quarter for each station between July 1, 2022 and June 30, 2023.

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 while the 2022 water year was well below the 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 within the watershed, more stormflow was generated, as seen in the rainfall-runoff response, over land uses 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

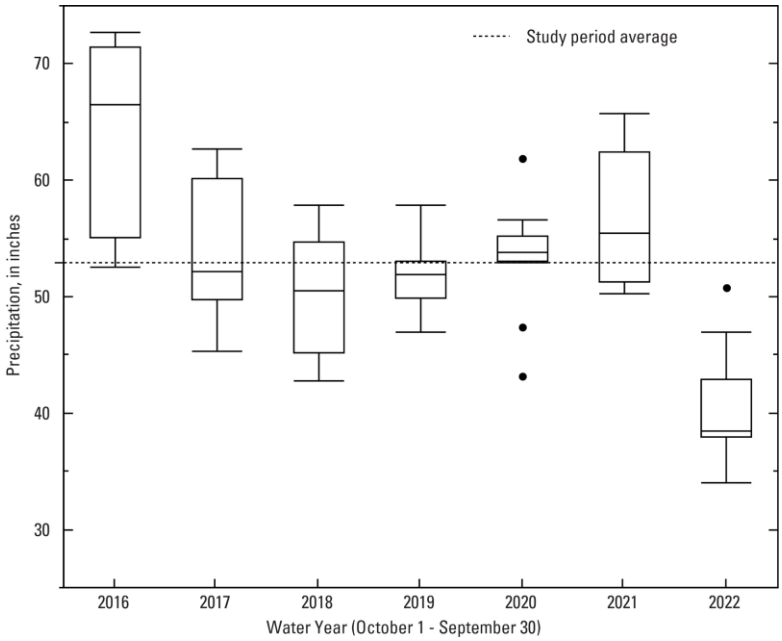

Figure 4. Annual rainfall totals (in) from nearby rainfall gages.

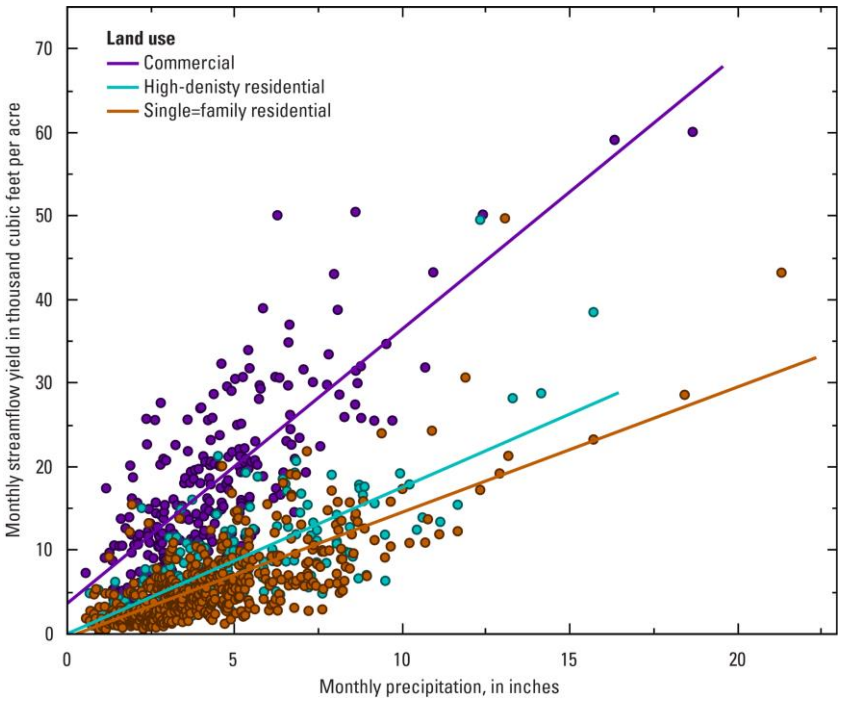

Figure 5. Rainfall-runoff response based on land use type for all storm events during the study period.

networks across the state, Hampton Roads has smaller, more highly developed watersheds (Fig 6A), which translates into flashy hydrologic responses (Fig. 6B).

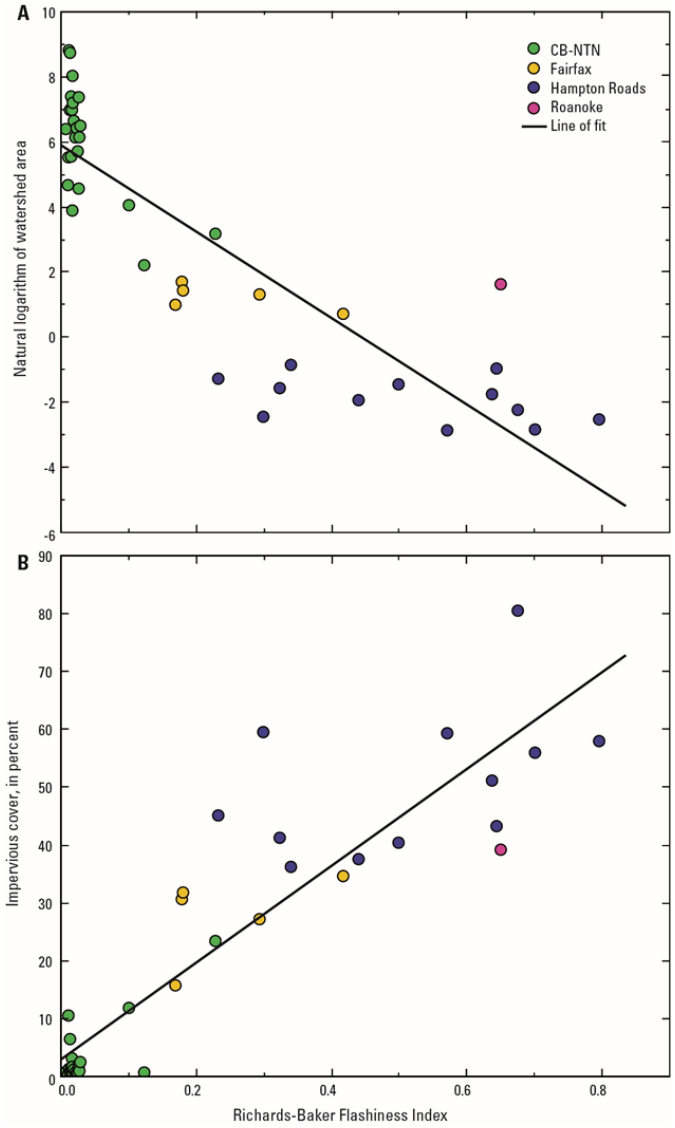

Figure 6. The natural log of watershed area (A) and the relative amount of impervious area (B) as related to the Richards-Baker Flashiness index for multiple networks across Virginia. (Chesapeake Bay Non-tidal Network (CB-NTN), Fairfax, Hampton Roads, and Roanoke)

Loads and Yields

As expected, commercial watersheds with higher amounts of impervious surfaces yield higher nitrogen, phosphorus, and sediment on average for all years of the study (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.

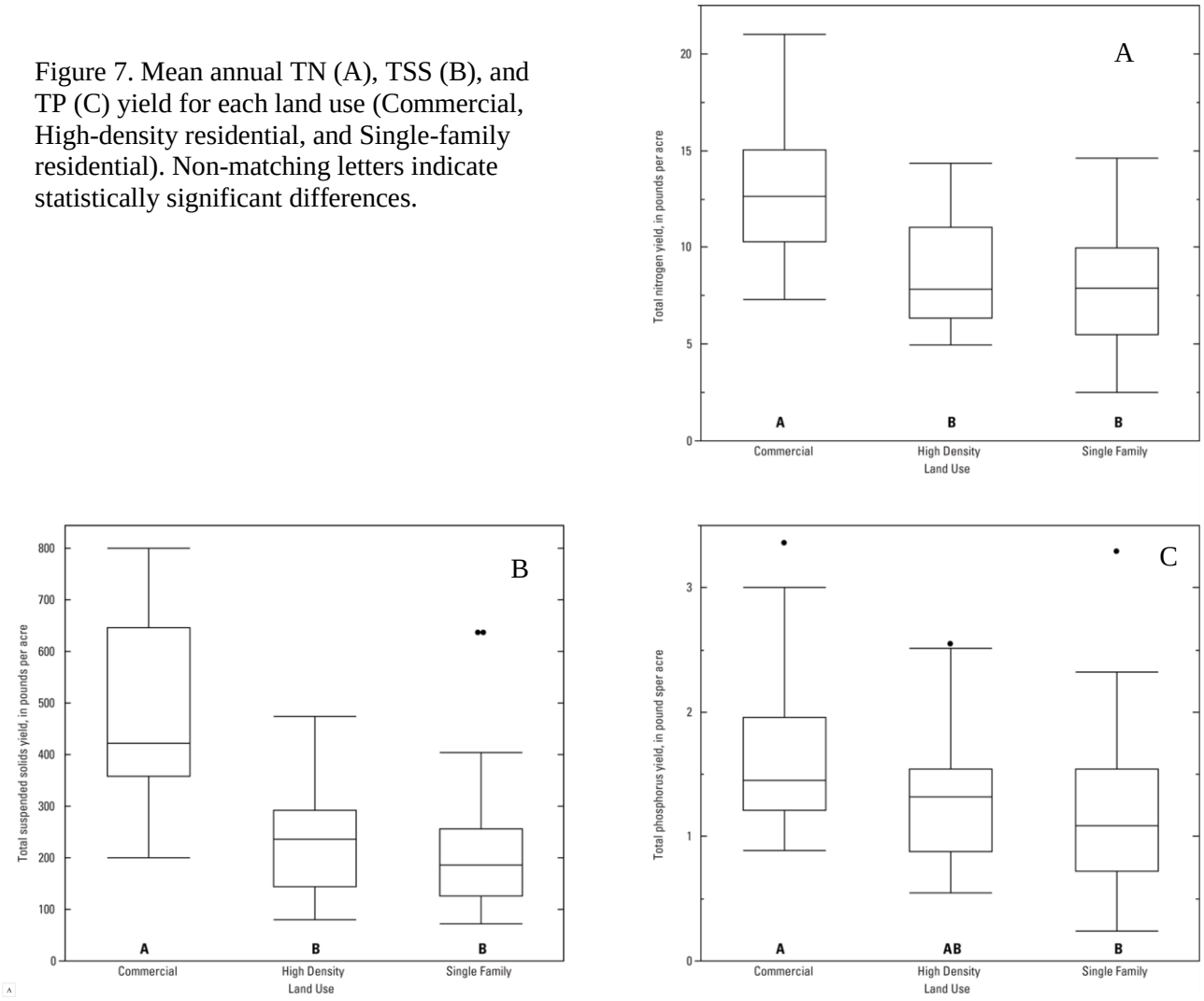

Figure 7. Mean annual TN (A), TSS (B), and TP (C) yield for each land use (Commercial, High-density residential, and Single-family residential). Non-matching letters indicate statistically significant differences.

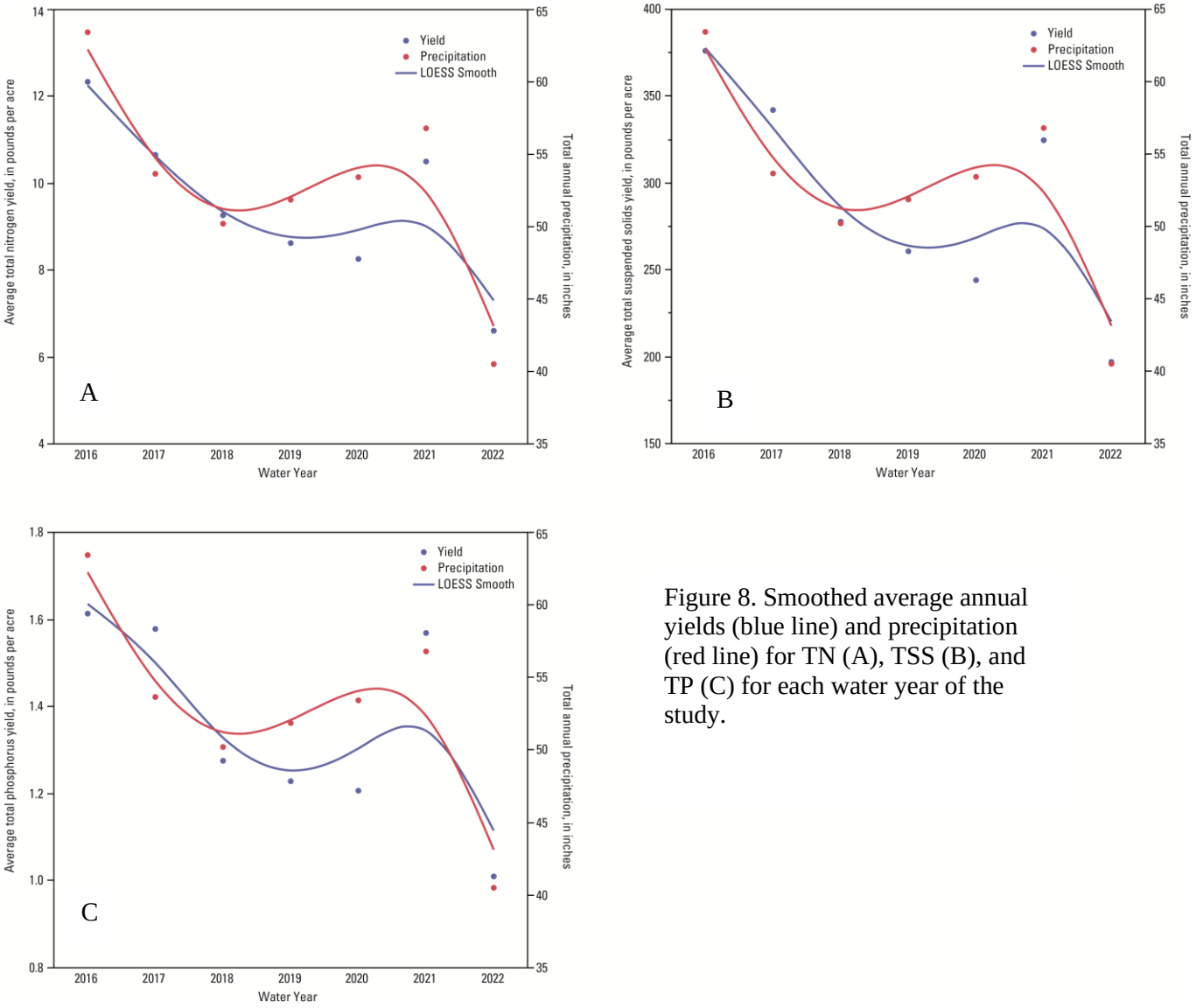

Figure 8. Smoothed average annual yields (blue line) and precipitation (red line) for TN (A), TSS (B), and TP (C) for each water year of the study.

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 (TN minus inorganic N) while inorganic N (in the form of nitrate) dominates in the Fairfax County, Gwinnett County, and non-tidal networks (Fig. 9). TP and orthophosphate yields are greatest in the Hampton Roads network compared to the other networks (Fig. 10) and TSS yields are lowest in the Hampton Roads network (Fig. 11). See Appendix A for mean annual TN, TP, and TSS yields for all stations.

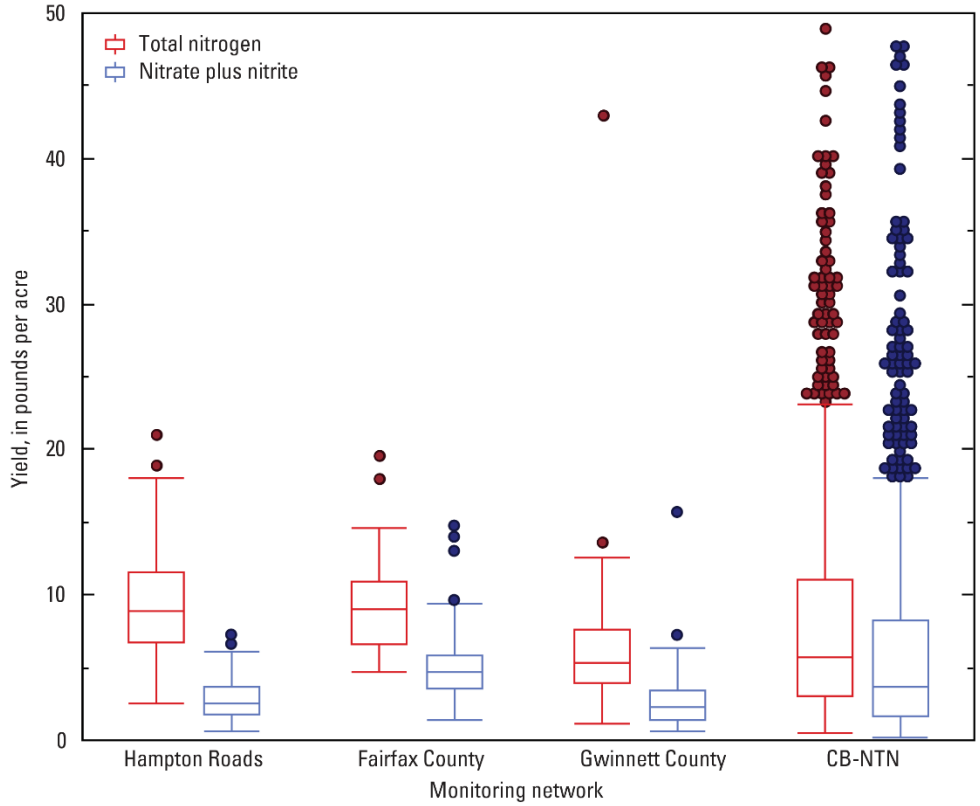

Figure 9. Box plots of TN (blue) and inorganic N in the form of nitrate (red) for each monitoring network.

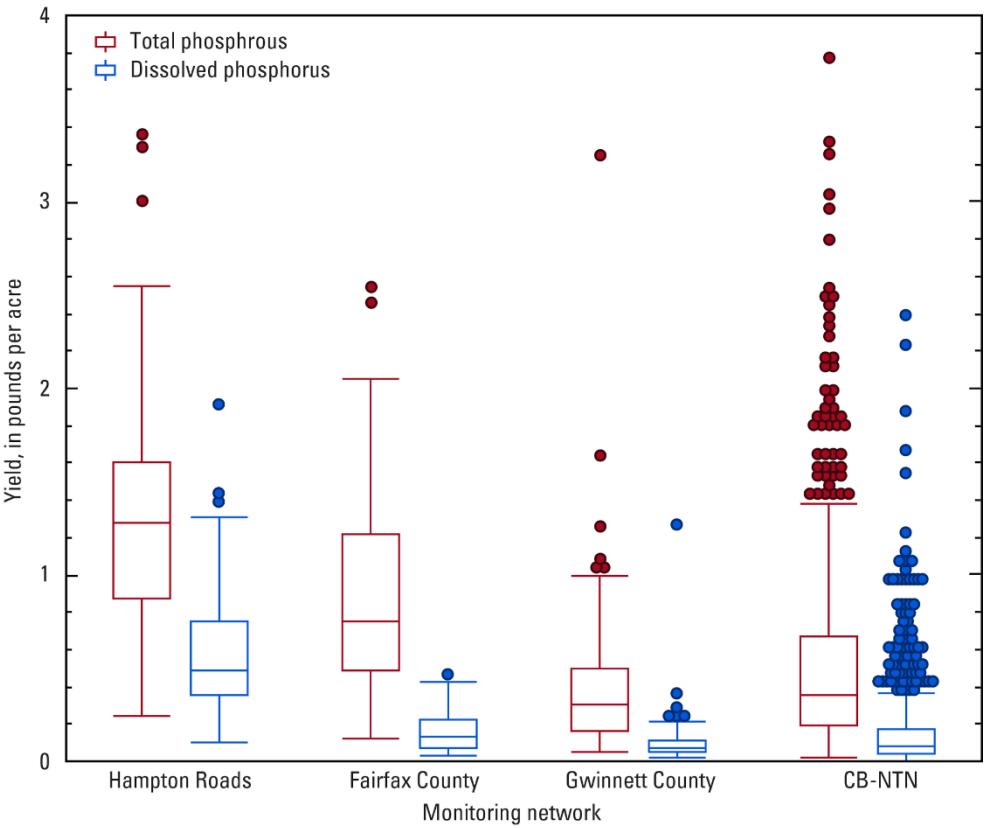

Figure 10. Box plots of TP (red) and dissolved P in the form of orthophosphate (blue) for each monitoring network.

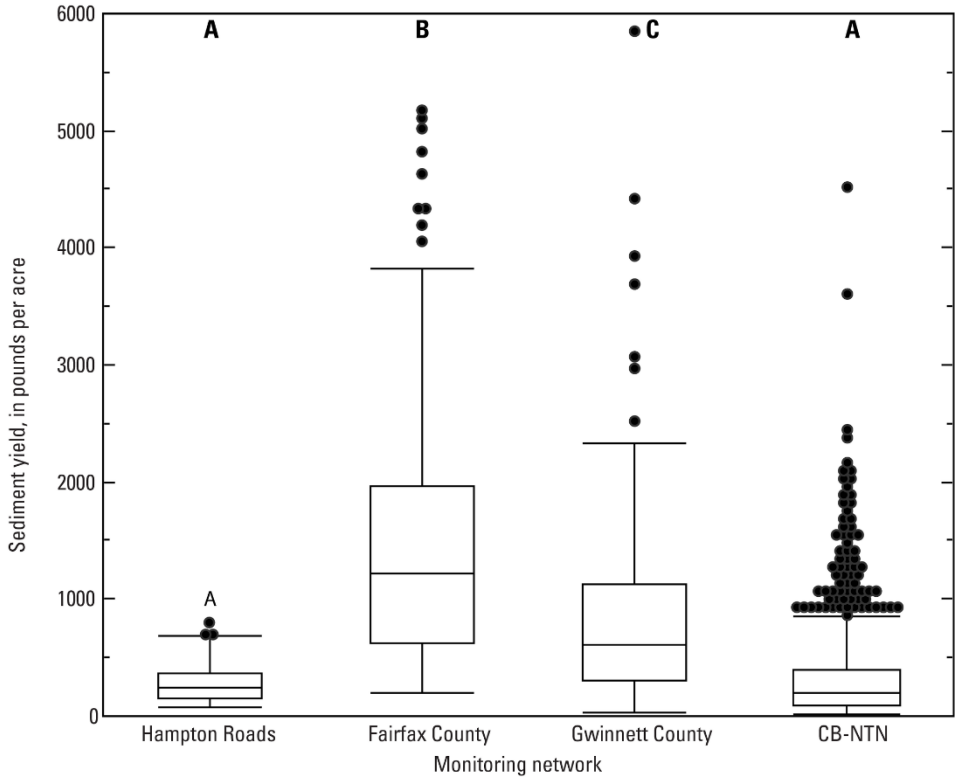

Figure 11. Box plots of TSS for each monitoring network. Non-matching letters indicate a statistical difference.

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 (54%) while TN, primarily comprised of organic N, is transported during stormflow (69%; Fig. 12). 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. 90% of orthophosphate loadings occur during storm events as it is washed off the land surface and mobilized from soils (Fig. 12). TP is also transported by overland flows (86%) rather than groundwater sources. Most suspended solids (sediment and coarse particulates such as decomposing leaf litter) are mobilized by storm runoff (91%; Fig. 12). The proportion transported during low flows may be algae, fine particulate organic matter, or pipe material.

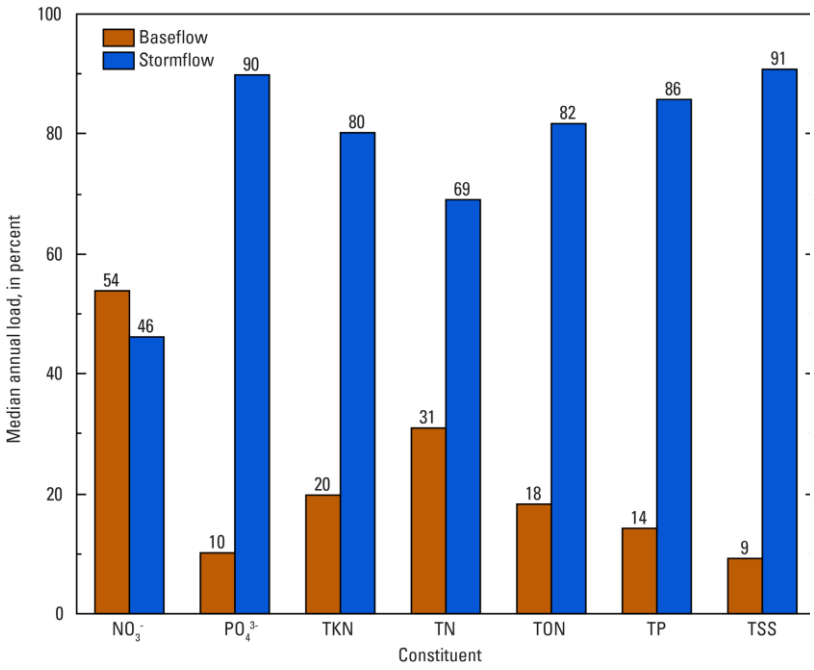

Figure 12. Proportion of constituent loads based on hydrologic source, baseflow or stormflow, for the Hampton Roads monitoring network.

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) management decisions should consider both baseflow contributions of groundwater and stormflow as they both transport organic and inorganic forms

of nitrogen, and 3) 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. Hydrology in the Hampton Roads network is much flashier than streams in comparison networks. This feature is attributed to the artificially high drainage density of these watersheds, a function of the engineered stormwater system.

Baseflow & nitrogen bioavailability

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). In contrast, organic N is transported primarily during stormflow, which can also be an important bioavailable form of nitrogen for harmful algal blooms. Management decisions can be based off the fact that more TN, mostly in the form of bioavailable nitrate, is mobilized during baseflow conditions while organic N in addition to TP and TSS are mobilized during stormflow conditions.

Management decisions that are developed for the Chesapeake Bay Program's TMDL are based on total loads for nitrogen but not all TN should be treated equally. Understanding what types of nitrogen are fueling algal blooms in receiving waters, which can lead to low dissolved oxygen, can help inform management decisions on which type of pollutant to control, transform, or reduce. In Hampton Roads, since overland runoff accounts for approximately 70 percent of

the surface water flowing out of the network, which is mostly comprised of organic N, 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.

Conversely, inorganic N is considered more bioavailable to algae. Nitrate is more abundant in baseflow, which accounts for 30% of the annual flow so there is a constant supply of nitrate from groundwater. 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, the Virginia Department of Environmental Quality's (VA DEQ) stormwater regulations are focused solely on TP. Consideration of TN for runoff reduction could be advantageous for the future of the Bay TMDL, and new strategies should be considered. Currently, state-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 can reduce nitrogen during more extreme precipitation 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 are relatively high, but this is likely a function of the Coastal Plain soils, not necessarily an increase in the source of TP as runoff. 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, which also 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 and was low in comparison to other monitoring programs across the state.

Future Steps

This monitoring program has relevance beyond the Hampton Roads region. As mentioned, the STAC workshop held in 2023 will provide recommendations to determine how this data can be incorporated into the Phase 7 Watershed Model for the CBP. Draft recommendations suggest the potential for considering this network as a calibration station, or providing generalizable knowledge that can parameterize loads and characteristics in Coastal Plain watersheds. This information will be disseminated throughout the Bay Partnership so that the appropriate workgroups and Goal Implementation Teams can act on these recommendations for inclusion into the Phase 7 model. In addition to the STAC workshop, USGS completed its first publication on this network, updated their website, and developed a geo narrative. The report and summary geo narrative provide 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 and observe trends over time. Over the course of the next few years, the existing memorandum of agreement will be amended to add five more years of data collection. Monitoring equipment may 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

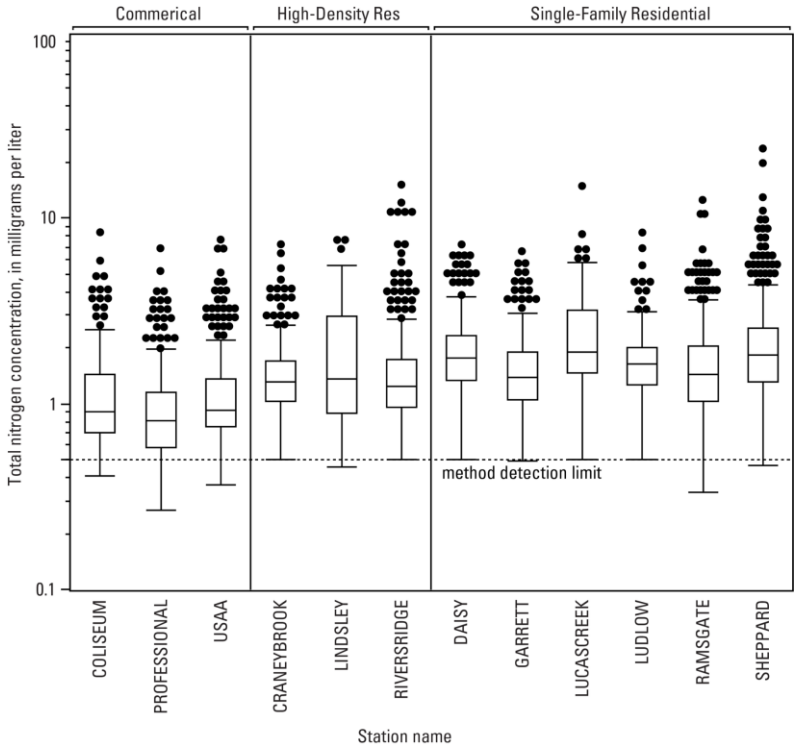


Figure A1. Boxplots of TN concentrations by individual station during the water year, Oct. 1, 2021 – Sept. 30, 2022.

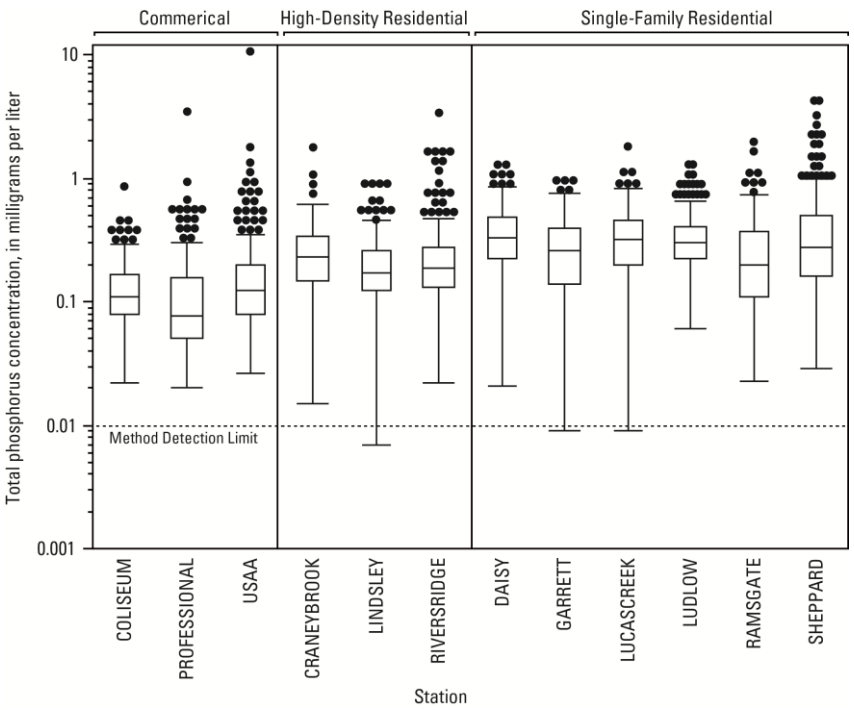


Figure A2. Boxplots of TP concentrations by individual station during the water year, Oct. 1, 2021 – Sept. 30, 2022.

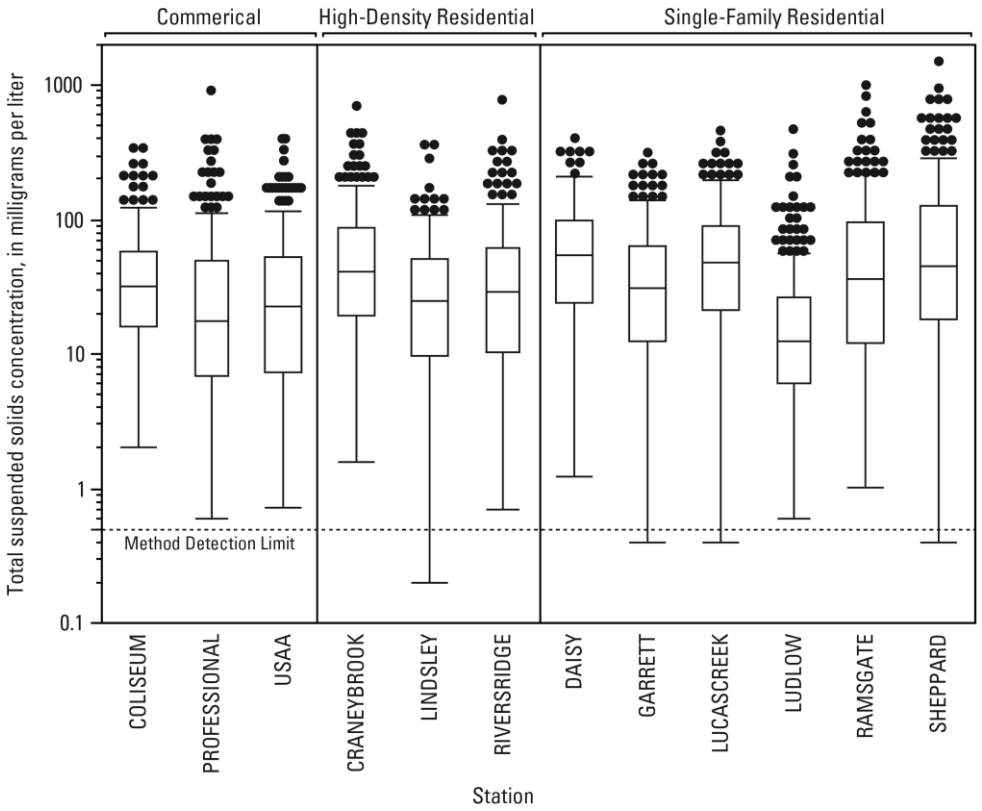


Figure A3. Boxplots of TSS concentrations by individual station during the water year, Oct. 1, 2021 – Sept. 30, 2022.

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,

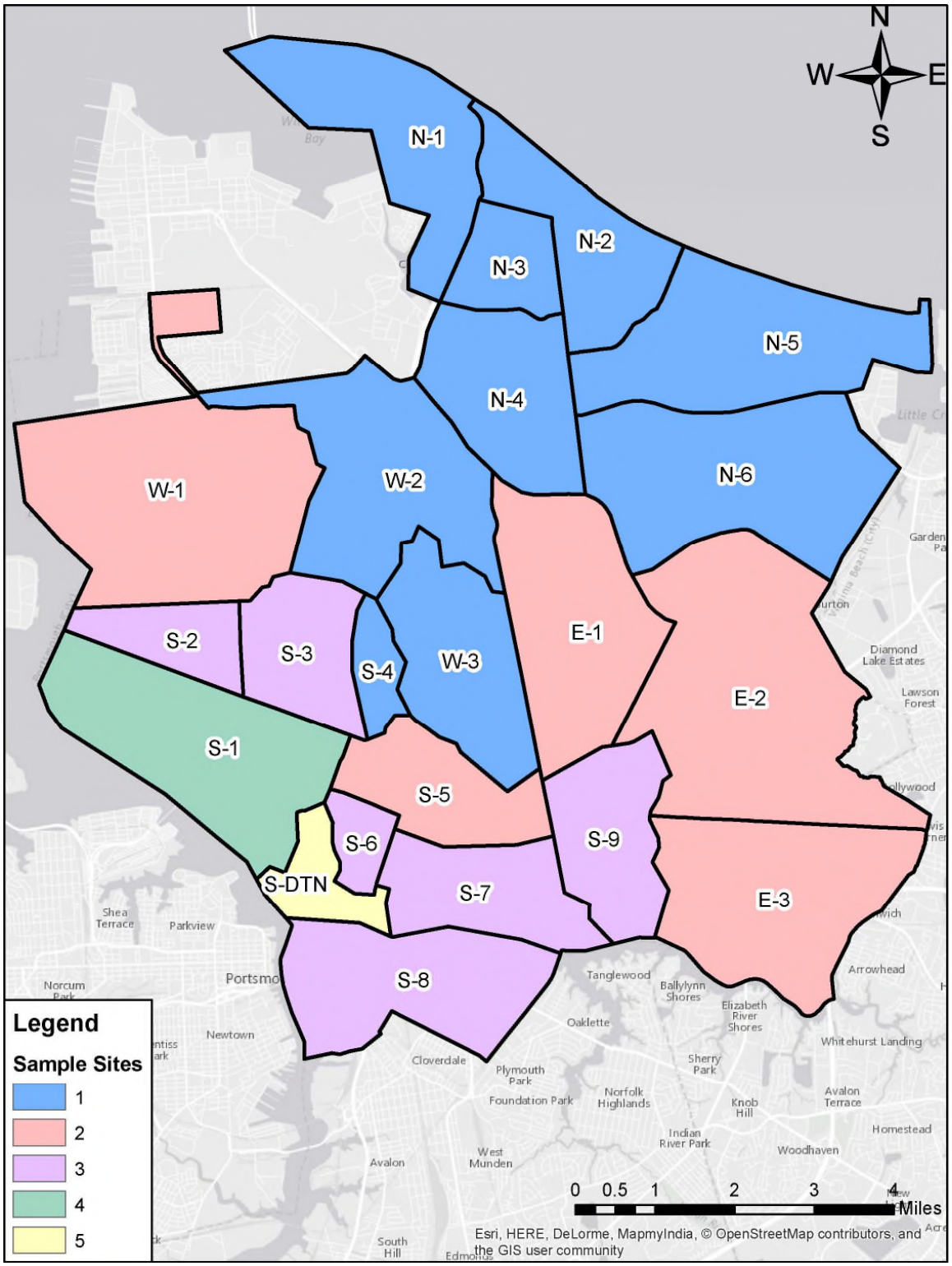
- Objective 3: Collect data to assess material on the street prior to sweeping and material remaining on the street following sweeping operations.

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 2023

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	1240.15	375.76	123378.97
BMPs Installed Prior to July 1, 2009	649.45	310.19	96142.31
BMPs Retrofitting Prior Developed Lands	3733.54	1141.19	790914.88
POC Reductions by Street Sweeping (see note below)	0.00	0.00	0.00
Total Reduction Credits	**5,936.14**	**1,880.74**	**1,052,240.16**

Cumulative Progress Towards Compliance Targets Through June 2023

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	1178.41	238.55	66255.17
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 (see note below)	0.00	0.00	0.00
Total Reduction Credits	**2,159.62**	**473.71**	**134,947.80**

Note: Due to equipment and staffing issues, the City of Norfolk reduced street sweeping frequency in FY23. Protocols for street sweeping have changed at the Bay Program level and new calculation methodologies do not provide enough credit to report. From this report onward street sweeping will no longer be tracked as a major component of City of Norfolk's Chesapeake Bay TMDL compliance efforts.

Control Measures Implemented During FY23 Reporting Period

Site ID	SWMF ID #	Site Name	Street Number	Street Name	Zip Code	BMP Type	Online Date	HUC	Phosphorous Removed (lbs/year)	Nitrogen Removed (lbs/year)	Sediment Removed (lbs/yr)	Retrofit Type (if applicable)
20-0077	20-0077.1	Harris Teeter Fuel	7726	Granby Street	23505	Manufactured Treatment Device	1/10/2023	JL57	0.00	0.00	0.00	
17-0047	17-0047.3	Devonshire Avenue Sidewalk Improvements	6431	Horton Circle	23513	Manufactured BMP Systems	5/26/2023	JL56	0.57	0.00	0.00	
17-0047	17-0047.2	Devonshire Avenue Sidewalk Improvements	6417	Devonshire Road	23513	Manufactured BMP Systems	5/26/2023	JL56	0.57	0.00	0.00	
17-0048	17-0048.1	Johnstons Rd & SW Improvements	908	Craten Road	23518	Manufactured Treatment Device	5/26/2023	JL56	1.17	0.00	0.00	
22-0074	22-0074.2	Colonial Townhouses	400	Carolina Ave	23508	Credit Purchase	3/10/2023	JL56	0.22	1.45	0.00	
22-0024	22-0024.4	3 Single Family Homes	3121	Lyons Ave	23509	Credit Purchase	3/6/2023	JL56	0.18	1.19	0.00	
19-0061	19-0061.1	The Lofts at Front Street	533	Front Street	23510	Permeable Pavement 1	2/17/2023	JL56	0.46	3.27	0.00	
20-0021	20-0021.1	Granby Street Bike Bypass at Riverview	3500	Granby Street	23504	Manufactured Treatment Device	2/10/2023	JL56	0.59	0.00	0.00	
21-0007	21-0007.1	Store Space - Storage Unit Facility	7533	Sewells Point Rd	23513	Manufactured Treatment Device	2/6/2023	JL56	0.91	0.00	0.00	
21-0048	21-0048.1	Lydia Roper House	127	E. 40th Street	23504	Permeable Pavement 2	1/30/2023	JL56	0.11	0.75	0.00	
22-0021	22-0021.1	Park Place Church - MultiFamily	500	W 34th St	23504	Credit Purchase	1/4/2023	JL56	0.03	0.30	21.56	
19-0026	19-0026.7	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 2	12/20/2022	JL56	0.03	0.22	0.00	
19-0026	19-0026.14	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 2	12/20/2022	JL56	0.03	0.22	0.00	
19-0026	19-0026.1	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 1	12/20/2022	JL56	0.03	0.24	0.00	
19-0026	19-0026.2	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 1	12/20/2022	JL56	0.05	0.39	0.00	
19-0026	19-0026.3	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 2	12/20/2022	JL56	0.03	0.24	0.00	
19-0026	19-0026.4	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 1	12/20/2022	JL56	0.03	0.23	0.00	
19-0026	19-0026.5	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 2	12/20/2022	JL56	0.03	0.23	0.00	
19-0026	19-0026.6	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 1	12/20/2022	JL56	0.03	0.23	0.00	
19-0026	19-0026.9	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 2	12/20/2022	JL56	0.03	0.23	0.00	
19-0026	19-0026.8	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 1	12/20/2022	JL56	0.03	0.23	0.00	
19-0026	19-0026.10	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 1	12/20/2022	JL56	0.03	0.23	0.00	
19-0026	19-0026.11	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 2	12/20/2022	JL56	0.03	0.22	0.00	
19-0026	19-0026.12	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 1	12/20/2022	JL56	0.01	0.10	0.00	
19-0026	19-0026.13	Subdivsion development plan 828 & 840 Redgate Ave	828	840 REDGATE AVENUE	23507	Bioretention- Micro 2	12/20/2022	JL56	0.03	0.23	0.00	
21-0001	21-0001.1	Multi-Family Residential Development	3611	Colley Ave	23508	Detention Basin	11/10/2022	JL56	0.00	0.00	0.00	
22-0012	22-0012.3	Norfolk Fire Station #11	2601	Lafayette Blvd	23509	Credit Purchase	10/28/2022	JL56	0.57	3.76	22.00	
18-0004	18-0004.1	841 Redgate Ave - Site Improvements CHKD	841	REDGATE AVE	23507	Grass Channel	10/10/2022	JL56	0.04	0.38	0.00	
22-0014	22-0014.2	Metronet	6242	Sewell's Point Road	23513	Credit Purchase	8/30/2022	JL56	0.15	1.51	0.00	
21-0029	21-0029.1	WEST 38TH STRTEET APARTMENTS CIVIL SITE PLANS	1045	38th Street	23508	Manufactured Treatment Device	8/16/2022	JL56	0.00	0.00	0.00	
20-0044	20-0044.1	Sewells Point Elementary	7928	Hampton Blvd	23505	Manufactured Treatment Device	7/29/2022	JL56	0.12	0.00	0.00	
20-0059	20-0059.3	Green Clean	7442	Tidewater Drive	23505	Cisterns and Rain Barrels	7/29/2022	JL56	0.04	0.28	0.00	
20-0059	20-0059.4	Green Clean	7442	Tidewater Drive	23505	Cisterns and Rain Barrels	7/29/2022	JL56	0.04	0.28	0.00	
20-0059	20-0059.5	Green Clean	7442	Tidewater Drive	23505	Cisterns and Rain Barrels	7/29/2022	JL56	0.04	0.28	0.00	
20-0059	20-0059.6	Green Clean	7442	Tidewater Drive	23505	Cisterns and Rain Barrels	7/29/2022	JL56	0.04	0.28	0.00	
20-0059	20-0059.2	Green Clean	7442	Tidewater Drive	23505	Cisterns and Rain Barrels	7/29/2022	JL56	0.04	0.28	0.00	
19-0099	19-0099.2	The Railyard - Hampton Blvd & W 23rd	1225	W 25th Street	23508	Credit Purchase	7/20/2022	JL56	0.35	1.77	0.00	
B21-02440	B21-02440.1	Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	23508	Cisterns and Rain Barrels	7/18/2022	JL56	0.00	0.00	0.00	
B21-02440	B21-02440.2	Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	23508	Cisterns and Rain Barrels	7/18/2022	JL56	0.00	0.00	0.00	
B21-02440	B21-02440.3	Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	23508	Cisterns and Rain Barrels	7/18/2022	JL56	0.00	0.00	0.00	
B21-02440	B21-02440.4	Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	23508	Cisterns and Rain Barrels	7/18/2022	JL56	0.00	0.00	0.00	
B21-02440	B21-02440.5	Single Family - 613 New Hampshire Ave	613	New Hampshire Ave	23508	Infiltration Practices	7/18/2022	JL56	0.00	0.00	0.00	
B21-02453	B21-02453.2	Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	23508	Cisterns and Rain Barrels	7/18/2022	JL56	0.00	0.00	0.00	
B21-02453	B21-02453.4	Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	23508	Cisterns and Rain Barrels	7/18/2022	JL56	0.00	0.00	0.00	
B21-02453	B21-02453.3	Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	23508	Cisterns and Rain Barrels	7/18/2022	JL56	0.00	0.00	0.00	
B21-02453	B21-02453.5	Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	23508	Infiltration Practices	7/18/2022	JL56	0.00	0.00	0.00	
B21-02453	B21-02453.1	Single Family - 617 New Hampshire Ave	617	New Hampshire Ave	23508	Cisterns and Rain Barrels	7/18/2022	JL56	0.00	0.00	0.00	
22-0035	22-0035.1	Riverside Station Apartments	5827	CURLEW DRIVE	23502	Wet Pond 1	4/26/2023	JL54	0.00	0.00	0.00	
22-0085	22-0085.3	U-Haul Warehouse Addition	5620	Raby Road	23502	Credit Purchase	4/11/2023	JL54	0.05	0.50	35.94	
20-0024	20-0024.1	PLEASANT POINT LIVING SHORELINE	445	Pleasant Point Drive	23502	Shoreline Management	4/3/2023	JL54	15.22	38.32	24,576.05	Shoreline Restoration
21-0043	21-0043.1	Barry Robinson Center	443	KEMPSVILLE RD	23502	Grass Channel	3/30/2023	JL54	0.05	0.36	0.00	
23-0036	23-0036.1	Berry Robinson Center - Sidewalk Revision	443	Kempsville Road	23502	Grass Channel	3/30/2023	JL54	0.24	1.94	0.00	
21-0068	21-0068.4	St. Paul's Redevelopment Block 17	401	Fenchurch Street	23504	Credit Purchase	3/21/2023	JL54	0.73	7.33	0.00	
19-0060	19-0060.1	Market Heights Appartment Complex	630	Tidewater Drive	23504	Permeable Pavement 1	3/14/2023	JL54	1.56	11.19	0.00	
17-0051	17-0051.1	Norfolk Square Contractor's Office	884	NORFOLK SQUARE	23502	Infiltration 2	1/23/2023	JL54	0.64	4.51	143.02	
21-0028	21-0028.2	Colonna's Shipyard Shafting Workshop	465	E. Indian River Road	23523	Permeable Pavement 1	12/9/2022	JL54	0.03	0.27	0.00	
21-0051	21-0051.2	7-Eleven Site Improvements	1510	E Brambleton	23504	Manufactured Treatment Device	11/9/2022	JL54	0.00	0.00	0.00	
22-0007	22-0007.3	LIV Norfolk Apts	6163	Kempsville Circle	23502	Credit Purchase	9/7/2022	JL54	5.87	58.95	0.00	
19-0091	19-0091.2	PABP APARTMENTS	1140	E. Princess Anne Road	23504	Manufactured Treatment Device	7/14/2022	JL54	2.28	0.00	0.00	
19-0091	19-0091.1	PABP APARTMENTS	1140	E. Princess Anne Road	23504	Manufactured Treatment Device	7/14/2022	JL54	0.52	0.00	0.00	
21-0033	21-0033.1	Norfolk Terminal Phase 1	600	Ford Drive	23523	Manufactured Treatment Device	7/8/2022	JL54	11.10	0.00	0.00	
22-0001	22-0001.3	U-HAUL WAREHOUSE	5620	Raby Road	23502	Credit Purchase	7/6/2022	JL54	0.13	1.31	93.45	
B22-03226	B22-03226.1	Single Family - Chesapeake Blvd	8216	Chesapeake Blvd	23518	Infiltration Practices	6/12/2023	CB26	0.02	0.14	0.00	
B22-03226	B22-03226.2	Single Family - Chesapeake Blvd	8216	Chesapeake Blvd	23518	Infiltration Practices	6/12/2023	CB26	0.02	0.14	0.00	
13-0007	23-0007.1	Outer LTE Parking Lot Conversion	2200	Norview Ave	23518	Credit Purchase	4/11/2023	CB26	1.74	17.47	0.00	
22-0051	22-0051.1	East Beach Marketplace	4231	E. Little Creek Rd.	23518	Credit Purchase	3/15/2023	CB26	0.25	2.51	0.00	
B22-00732	B22-00732	3011 E. Oceanview Ave	3011	E. Oceanview Ave	23518	Infiltration Practices	1/30/2023	CB26	0.00	0.00	0.00	
B22-01112	B22-01112.1	3021 E. Oceanview Ave	3021	E. Oceanview Ave	23518	Infiltration Practices	1/30/2023	CB26	0.00	0.00	0.00	
21-0063	21-0063.1	Dollar Tree Hangar	1301	Miller Store Road	23518	Manufactured Treatment Device	1/26/2023	CB26	1.98	0.00	0.00	
22-0002	22-0002.2	Royal Farms #471	6103	N. Military Highway	23518	Credit Purchase	1/24/2023	CB26	0.40	4.01	0.00	
18-0028	18-0028.1	Osprey Watch	3324	Miller Store Road	23518	Wet Pond 1	11/14/2022	CB26	11.63	36.99	0.00	
17-0093	17-0093.1	1600 E. Little Creek Rd-Aldi	1600	E LITTLE CREEK ROAD	23518	Detention Basin	8/25/2022	CB26	0.00	0.00	879.32	
21-0060	21-0060.1	EOV Basketball Ct.	9520	20th Bay Street	23518	Infiltration 1	8/16/2022	CB26	0.00	0.00	0.00	
21-0060	21-0060.2	EOV Basketball Ct.	9520	20th Bay Street	23518	Credit Purchase	8/16/2022	CB26	0.24	1.32	0.00	

Control Measures Expected to be Implemented and Cumulative Progress Through FY24

Below are redevelopment and retrofits projects currently under construction which should reach completion by the end of FY24. Other projects may start and complete in FY24, but cannot be estimated at this time. Assuming the projects below all complete construction, by end of FY24 Norfolk will have achieved 1,941 lbs/yr TP, 6,161 lbs/yr TN, and 1,075,016 lbs/yr TSS in the James River watershed. In the Little Creek and Chesapeake Bay Beaches watershed Norfolk will have achieved 497 lbs/yr TP, 2,221 lbs/yr TN, and 135,363 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	BMP 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	413.49
18-0043	18-0043.1	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0.00
18-0043	18-0043.2	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0.00
18-0043	18-0043.3	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0.00
18-0043	18-0043.4	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0.00
18-0043	18-0043.5	Pretty Lake Apartments & Yacht Club	CB26	Manufactured Treatment Device	0.00	0.00	0.00
18-0053	18-0053.1	The Tern Subdivision Plan	CB26	Bioretention- Micro 2	0.16	0.21	0.00
18-0053	18-0053.10	The Tern Subdivision Plan	CB26	Infiltration 2	1.91	7.31	0.00
18-0053	18-0053.11	The Tern Subdivision Plan	CB26	Infiltration 2	0.37	7.31	0.00
18-0053	18-0053.12	The Tern Subdivision Plan	CB26	Infiltration 2	0.89	7.31	0.00
18-0053	18-0053.13	The Tern Subdivision Plan	CB26	Infiltration 2	0.42	7.31	0.00
18-0053	18-0053.2	The Tern Subdivision Plan	CB26	Bioretention- Micro 2	0.20	0.21	0.00
18-0053	18-0053.3	The Tern Subdivision Plan	CB26	Bioretention- Micro 2	0.23	0.21	0.00
18-0053	18-0053.4	The Tern Subdivision Plan	CB26	Bioretention- Micro 2	0.38	0.21	0.00
18-0053	18-0053.5	The Tern Subdivision Plan	CB26	Bioretention- Micro 2	0.17	0.21	0.00
18-0053	18-0053.6	The Tern Subdivision Plan	CB26	Bioretention- Micro 2	0.16	0.21	0.00
18-0053	18-0053.7	The Tern Subdivision Plan	CB26	Bioretention 2	0.20	0.21	0.00
18-0053	18-0053.8	The Tern Subdivision Plan	CB26	Infiltration 2	1.18	7.31	0.00
18-0053	18-0053.9	The Tern Subdivision Plan	CB26	Infiltration 2	1.44	7.31	0.00
18-0062	18-0062.2	Moores Bridges WTP Alternate Entrance	CB26	Sheetflow to Vegetated Filter	0.00	0.00	0.00
18-0062	18-0063.3	Moores Bridges WTP Alternate Entrance	CB26	Grass Channel	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
18-0095	18-0095.1	Christ & St Luke's Church-Outdoor Improvements	JL54	Permeable Pavement 1	0.17	1.27	0.00

19-0012	19-0012.1	Chesterfield Heights Bioretention	JL54	Bioretention 1	10.24	85.26	0.00
19-0014	19-0014.1	HomeCo Industrial Renovation	JL54	Compost Amendment	0.83	5.90	0.00
19-0014	19-0014.2	HomeCo Industrial Renovation	JL54	Compost Amendment	0.02	0.12	0.00
19-0014	19-0014.3	HomeCo Industrial Renovation	JL54	Compost Amendment	0.49	3.50	0.00
19-0014	19-0014.4	HomeCo Industrial Renovation	JL54	Compost Amendment	0.18	1.26	0.00
19-0032	19-0032.1	Frament Ave. Drainage Improvements	JL54	Manufactured Treatment Device	1.10	1.42	230.65
19-0036	19-0036.1	THE HAGUE SW TREATMENT CONSTRUCTED WETLAND	JL56	Stormwater Wetland	11.80	42.20	0.00
19-0099	19-0099.1	The Railyard - Hampton Blvd & W 23rd	JL56	Manufactured Treatment Device	0.49	0.00	0.00
19-0099	19-0099.2	The Railyard - Hampton Blvd & W 23rd	JL56	Credit Purchase	0.35	1.77	0.00
19-0099	19-0099.3	The Railyard - Hampton Blvd & W 23rd	JL56	Manufactured Treatment Device	0.93	0.00	0.00
19-0099	19-0099.4	The Railyard - Hampton Blvd & W 23rd	JL56	Manufactured Treatment Device	4.30	0.00	0.00
20-0002	20-0002.1	Costco Building + Parking Expansion	JL54	Manufactured Treatment Device	0.35	0.00	0.00
20-0002	20-0002.2	Costco Building + Parking Expansion	JL54	Bioretention 1	1.21	10.05	0.00
20-0068	20-0068.1	HAMPTON BLVD WATER STORAGE TANK	JL56	Manufactured Treatment Device	0.10	0.00	0.00
20-0068	20-0068.2	HAMPTON BLVD WATER STORAGE TANK	JL56	Manufactured Treatment Device	0.10	0.00	0.00
20-0068	20-0068.3	HAMPTON BLVD WATER STORAGE TANK	JL56	Detention Basin	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
20-0074	20-0074.1	GRAVITY 400	JL56	Manufactured Treatment Device	New Dev	New Dev	New Dev
20-0082	20-0082.1	HONAKER AVENUE & CHAMBER STREET	JL54	Manufactured Treatment Device	3.77	0.00	0.00
20-0083	20-0083.1	1952-1956 E OCEAN VIEW AVENUE	CB26	Infiltration 1	0.08	0.50	0.00
20-0083	20-0083.2	1952-1956 E OCEAN VIEW AVENUE	CB26	Infiltration 1	0.08	0.50	0.00
20-0083	20-0083.3	1952-1956 E OCEAN VIEW AVENUE	CB26	Infiltration 1	0.03	0.19	0.00
20-0083	20-0083.4	1952-1956 E OCEAN VIEW AVENUE	CB26	Infiltration 1	0.03	0.19	0.00
20-0083	20-0083.5	1952-1956 E OCEAN VIEW AVENUE	CB26	Permeable Pavement	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
20-0085	20-0085.1	9542 17th Bay Street Lots 13 & 14	CB26	Detention Basin	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
20-0085	20-0085.2	9542 17th Bay Street Lots 13 & 14	CB26	Permeable Pavement	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
20-0085	20-0085.3	9542 17th Bay Street Lots 13 & 14	CB26	Permeable Pavement	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
20-0088	20-0088.1	The Edge at Azalea Garden	JL56	Wet Pond 1	2.05	6.52	0.00
21-0002	21-0002.1	NBG - Entrance, Conservatory, Parking Lot	CB26	Bioretention 1	0.21	1.74	0.00
21-0002	21-0002.10	NBG - Entrance, Conservatory, Parking Lot	CB26	Manufactured Treatment Device	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
21-0002	21-0002.2	NBG - Entrance, Conservatory, Parking Lot	CB26	Bioretention 1	0.76	6.33	0.00

21-0002	21-0002.3	NBG - Entrance, Conservatory, Parking Lot	CB26	Bioretention 1	0.47	0.00	0.00
21-0002	21-0002.4	NBG - Entrance, Conservatory, Parking Lot	CB26	Bioretention 1	0.04	0.36	0.00
21-0002	21-0002.5	NBG - Entrance, Conservatory, Parking Lot	CB26	Dry Swale 1	0.12	0.00	0.00
21-0002	21-0002.6	NBG - Entrance, Conservatory, Parking Lot	CB26	Bioretention 1	0.03	0.36	0.00
21-0002	21-0002.7	NBG - Entrance, Conservatory, Parking Lot	CB26	Green Roof 2	0.39	0.00	0.00
21-0002	21-0002.8	NBG - Entrance, Conservatory, Parking Lot	CB26	Conservation Landscaping Practices	8.29	0.00	0.00
21-0002	21-0002.9	NBG - Entrance, Conservatory, Parking Lot	CB26	Other Retrofit-Stormwater Treatment	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
21-0005	21-0005.1	THE FUSION MULTI-FAMILY DEVELOPMENT	JL56	Manufactured Treatment Device	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
21-0005	21-0005.2	THE FUSION MULTI-FAMILY DEVELOPMENT	JL56	Manufactured Treatment Device	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
21-0019	21-0019.1	Sidewalk Improvements - Easy Street	JL56	Manufactured Treatment Device	0.13	0.00	0.00
21-0031	21-0031.1	Lake Taylor Pointe Multi Family	JL54	Wet Pond 2	New Dev	New Dev	New Dev
21-0035	21-0035.1	Teamsters Club Bldg.	JL54	Bioretention- Micro 1	0.07	0.56	0.00
21-0035	21-0035.2	Teamsters Club Bldg.	JL54	Bioretention- Micro 1	0.18	1.54	0.00
21-0035	21-0035.3	Teamsters Club Bldg.	JL54	Bioretention- Micro 1	0.27	2.22	0.00
21-0036	21-0036.2	Utilities Pump Station 91 Replacement	JL54	Manufactured Treatment Device	0.07	0.00	0.00
21-0036	21-0036.3	Utilities Pump Station 91 Replacement	JL54	Detention Basin	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
21-0055	21-0055.1	The Sanctuary at Pretty Lake	CB26	Infiltration 2	0.24	1.70	0.00
21-0055	21-0055.2	The Sanctuary at Pretty Lake	CB26	Permeable Pavement 2	0.00	0.24	1.70
21-0061	21-0061.1	ERP - Ryan Resilience Lab	JL56	Permeable Pavement 1	0.11	0.82	64.20
21-0061	21-0061.10	ERP - Ryan Resilience Lab	JL56	Shoreline Management	0.83	13.77	1,044.00
21-0061	21-0061.2	ERP - Ryan Resilience Lab	JL56	Rooftop or Impervious Surface Disconnect	0.02	0.20	12.50
21-0061	21-0061.3	ERP - Ryan Resilience Lab	JL56	Bioretention- Micro 1	0.08	0.63	42.80
21-0061	21-0061.4	ERP - Ryan Resilience Lab	JL56	Bioretention 1	0.05	0.17	22.10
21-0061	21-0061.5	ERP - Ryan Resilience Lab	JL56	Bioretention 1	0.03	0.13	13.30
21-0061	21-0061.6	ERP - Ryan Resilience Lab	JL56	Permeable Pavement 1	0.09	0.64	41.50
21-0061	21-0061.7	ERP - Ryan Resilience Lab	JL56	Permeable Pavement 1	0.08	0.55	35.50
21-0061	21-0061.8	ERP - Ryan Resilience Lab	JL56	Conservation Landscaping Practices	0.11	0.76	34.40
21-0061	21-0061.9	ERP - Ryan Resilience Lab	JL56	Green Roof 1	0.02	0.14	9.80
22-0002	22-0002.1	Royal Farms #471	CB26	Manufactured Treatment Device	0.08	0.00	0.00
22-0005	22-0005.1	1233-1235 Chesapeake Bay Ave	CB26	Permeable Pavement	New Dev	New Dev	New Dev
22-0006	22-0006.1	Bay Street Duplex	CB26	Permeable Pavement 1	0.11	0.75	0.00

22-0006	22-0006.2	Bay Street Duplex	CB26	Infiltration 1	0.02	0.10	0.00
22-0006	22-0006.3	Bay Street Duplex	CB26	Infiltration 1	0.02	0.12	0.00
22-0007	22-0007.1	LIV Norfolk Apts	JL54	Manufactured Treatment Device	New Dev	New Dev	New Dev
22-0007	22-0007.2	LIV Norfolk Apts	JL54	Manufactured Treatment Device	New Dev	New Dev	New Dev
22-0009	22-0009.1	E. Ocean View Drainage Improvements Phase 1	CB26	Detention Basin	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0009	22-0009.2	E. Ocean View Drainage Improvements Phase 1	CB26	Detention Basin	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0009	22-0009.3	E. Ocean View Drainage Improvements Phase 1	CB26	Detention Basin	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0009	22-0009.4	E. Ocean View Drainage Improvements Phase 1	CB26	Manufactured Treatment Device	0.58	0.00	0.00
22-0009	22-0009.5	E. Ocean View Drainage Improvements Phase 1	CB26	Manufactured Treatment Device	1.31	0.00	0.00
22-0009	22-0009.6	E. Ocean View Drainage Improvements Phase 1	CB26	Manufactured Treatment Device	1.22	0.00	0.00
22-0012	22-0012.1	Norfolk Fire Station #11	JL56	Manufactured Treatment Device	0.20	0.00	0.00
22-0012	22-0012.2	Norfolk Fire Station #11	JL56	Manufactured Treatment Device	0.22	0.00	0.00
22-0014	22-0014.1	Metronet	JL56	Detention Basin	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0015	22-0015.1	Sycamore Plaza	JL54	Manufactured Treatment Device	1.21	0.00	0.00
22-0015	22-0015.2	Sycamore Plaza	JL54	Bioretention 1	1.62	13.49	0.00
22-0015	22-0015.3	Sycamore Plaza	JL54	Permeable Pavement	0.00	0.00	0.00
22-0019	22-0019.1	Aspire at East Beach Phase II	CB26	Manufactured Treatment Device	0.59	0.00	0.00
22-0021	22-0021.2	Park Place Church - MultiFamily	JL56	Permeable Pavement	0.03	0.18	0.00
22-0021	22-0021.3	Park Place Church - MultiFamily	JL56	Permeable Pavement	0.03	0.18	0.00
22-0021	22-0021.4	Park Place Church - MultiFamily	JL56	Permeable Pavement	0.03	0.18	0.00
22-0021	22-0021.5	Park Place Church - MultiFamily	JL56	Permeable Pavement	0.08	0.55	0.00
22-0021	22-0021.6	Park Place Church - MultiFamily	JL56	Permeable Pavement	0.04	0.27	0.00
22-0021	22-0021.7	Park Place Church - MultiFamily	JL56	Permeable Pavement	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0021	22-0021.8	Park Place Church - MultiFamily	JL56	Permeable Pavement	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0021	22-0021.9	Park Place Church - MultiFamily	JL56	Permeable Pavement	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0024	22-0024.1	3 Single Family Homes	JL56	Infiltration Practices	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0024	22-0024.2	3 Single Family Homes	JL56	Infiltration Practices	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0024	22-0024.3	3 Single Family Homes	JL56	Infiltration Practices	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0026	22-0026.1	Chenman Phase II	JL56	Permeable Pavement	0.17	1.18	0.00
22-0026	22-0026.2	Chenman Phase II	JL56	Permeable Pavement	0.15	1.09	0.00
22-0026	22-0026.3	Chenman Phase II	JL56	Permeable Pavement	0.06	0.45	0.00
22-0049	22-0049.1	Block 20 Apartments	JL54	Manufactured Treatment Device	0.51	0.00	0.00
22-0049	22-0049.2	Block 20 Apartments	JL54	Permeable Pavement 1	0.05	0.00	0.00

22-0049	22-0049.3	Block 20 Apartments	JL54	Permeable Pavement 1	0.05	0.00	0.00
22-0049	22-0049.4	Block 20 Apartments	JL54	Permeable Pavement 1	0.05	0.00	0.00
22-0050	22-0050.1	Block 19 Apartments	JL56	Manufactured Treatment Device	0.42	0.00	0.00
22-0050	22-0050.2	Block 19 Apartments	JL56	Permeable Pavement 1	0.02	0.00	0.00
22-0050	22-0050.3	Block 19 Apartments	JL56	Permeable Pavement 1	0.02	0.00	0.00
22-0050	22-0050.4	Block 19 Apartments	JL56	Permeable Pavement 1	0.02	0.00	0.00
22-0050	22-0050.5	Block 19 Apartments	JL56	Permeable Pavement 1	0.02	0.00	0.00
22-0065	22-0065.1	Parcel 11, Norfolk Commerce Park	JL54	Manufactured Treatment Device	0.81	0.00	0.00
22-0066	22-0066.1	Sentara Norfolk General -CSS Renovation	JL56	Manufactured Treatment Device	0.25	0.00	0.00
22-0074	22-0074.1	Colonial Townhouses	JL56	Detention Basin	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
22-0078	22-0078.1	Hermitage Museum & Gardens - Visual Art School	JL56	Permeable Pavement 1	0.08	0.55	28.43
22-0078	22-0078.2	Hermitage Museum & Gardens - Visual Art School	JL56	Permeable Pavement 1	0.06	0.45	23.69
22-0078	22-0078.3	Hermitage Museum & Gardens - Visual Art School	JL56	Permeable Pavement 1	0.04	0.27	14.22
22-0078	22-0078.4	Hermitage Museum & Gardens - Visual Art School	JL56	Permeable Pavement 1	0.06	0.45	23.69
22-0078	22-0078.5	Hermitage Museum & Gardens - Visual Art School	JL56	Rooftop or Impervious Surface Disconnect	0.01	0.08	9.48
22-0085	22-0085.1	U-Haul Warehouse Addition	JL54	Manufactured Treatment Device	1.10	0.00	0.00
22-0085	22-0085.2	U-Haul Warehouse Addition	JL54	Manufactured Treatment Device	0.59	0.00	0.00
22-0087	22-0087.1	Chrysler Museum Glass Studio	JL56	Bioretention	0.73	6.08	347.30
22-0087	22-0087.2	Chrysler Museum Glass Studio	JL56	Manufactured Treatment Device	0.16	0.00	0.00
23-0016	23-0016.1	Willis Aspire Revisions	JL54	Manufactured Treatment Device	0.56	0.00	0.00
23-0020	23-0020.1	4108 Pretty Lake Duplex	CB26	Cisterns and Rain Barrels	New Dev	New Dev	New Dev
23-0020	23-0020.2	4108 Pretty Lake Duplex	CB26	Bioretention 1	New Dev	New Dev	New Dev
23-0020	23-0020.3	4108 Pretty Lake Duplex	CB26	Cisterns and Rain Barrels	New Dev	New Dev	New Dev
23-0020	23-0020.4	4108 Pretty Lake Duplex	CB26	Bioretention 1	New Dev	New Dev	New Dev
B22-03124	B22-03124.1	Single Family Home	CB26	Infiltration 1	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
B22-03125	B22-03125.1	SIngle Family Home	CB26	Infiltration 1	Qnty Cntrl	Qnty Cntrl	Qnty Cntrl
B23-00568	B23-00568.1	SF Pool Site Plan	CB26	Infiltration Practices	New Dev	New Dev	New Dev
S107	S107.1	Granby Street Park Living Shoreline	JL56	Shoreline Management	10.09	18.47	16,474.41
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**	**83.62** **lbs TP/yr**	**287.07** **lbs TN/yr**	**23,191.12** **lbs TSS/yr**

Elizabeth River Bacteria TMDL Implementation

July 2022 - June 2023

In FY23, 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 FY23 is included below.

Illicit Discharge Detection & Elimination Activities:

In FY23, 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 1,055,333 linear feet of sanitary sewer pipe to identify deficiencies likely to lead to overflows and addressed 39 sanitary sewer overflows. Department of Public Works staff visually inspected 8,530 stormwater system structures, including more than 50 under dry weather conditions, and addressed 42 illicit discharges in the stormwater system. Department of Public Works also inspected 6 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 FY23. Creative public engagement strategies remained vital to Norfolk's extensive education and outreach program throughout the year which consisted of: pet waste handouts and materials to 2 civic leagues for distribution, adoption and installation of 5 new pet waste stations, 2 HRUBS inserts sent to all Norfolk residents, 4 social media posts, 200 pet waste bag dispensers, poop emoji stress balls and collapsible dog water bowls and information to Norfolk Animal Control for distribution with adoptions and events, and 11 other outreach events outreach events that touched directly on management of pet waste and wildlife to reduce bacteria pollution. 44 new households joined Norfolk's Bay Star Homes program in FY23 and 2 new businesses joined our Bay Star Business program.

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 3-9. A pickup of last year's new creative, consisting of a video and a jingle 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 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, collapsible pet water bowls, scoop the poop rack cards and poop emoji stress balls, all imprinted with a scoop the poop message.
- **Public Relations.** The pet waste message was promoted in news releases and print articles in the Virginian-Pilot and Daily Press, 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 pickup of last year's video and jingle created and used for a one-week paid campaign in the spring, from April 3-9th, was featured 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.

In FY23, 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 FY23 in Norfolk, the program provided education to 81 individuals or small groups, conducted 470 pump outs, and collected 6,585 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 FY23 on HRSD's bacterial source tracking program. Efforts in FY23 focused on the headwaters of the Mason Creek watershed. Several dry weather sewer cross-connections sources were identified and addressed. Final analysis in Mason Creek is ongoing into FY24 before the program will shift to the Little Creek watershed.

Example Outreach Materials



(repeat from last year)





Clip from Video


NORFOLK
SCOOP EVERY POOP
PET WASTE IS A POLLUTANT
No one wants to step in dog poop. Whether you are on a walk or in your own yard, you should always scoop the poop.
POOP ≠ FERTILIZER
Dog poop cannot be used as fertilizer. It contains viruses, bacteria and parasites that can make other dogs and people sick.
PROTECT OUR WATERWAYS
Dog poop doesn't disappear with rain. Through surface runoff it pollutes our waterways, impacts aquatic life, and leads to beach closures from excess nutrients and bacteria.
THE BEST WAY TO PICK IT UP
Bag it securely and throw it in the trash. Never leave it on the ground or throw it in a storm drain.

6/20 social


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.
THE CITY OF NORFOLK

10/22 social


GOOD TO KNOW
Did you know there are bacteria, viruses, and parasites in dog poop? Yuck!
POOP!
BAG IT!
TRASH IT!
IF I COULD, I WOULD!
FOR A CLEANER, GREENER HAMPTON ROADS
askHRgreen.org
askHRgreen
HRgreen

Wildlife Management Signs



