NORFOLK

Department of Public Works, Field Engineering & Environmental Management

September 25, 2019

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

RE: VPDES Permit VA0088650

Dear Mr. Fanghella:

Please find enclosed the FY19 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 June Whitehurst, Environmental Programs Manager of Environmental Storm Water Management, at (757) 823 – 4010.

Sincerely,

Richard Broad

Richard Broad, PE
Director of Public Works

Enclosures

CERTIFICATION STATEMENT AND SIGNATORY REQUIREMENTS FOR MS4 PERMIT APPLICATIONS AND REPORTS

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

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

A person is a duly authorized representative only if:

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

CERTIFICATION

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

Richard Brand 9/25/19

Responsible Official Signature Date

VA0088650 City of Norfolk

Permit Number MS4 Name

NORFOLK

Department of Public Works, Field Engineering & Environmental Management

August 16, 2017

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

RE: City of Norfolk, Duly Authorized Representative

Dear Mr. Nicol:

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

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

Sincerely,

Douglas L. Smith

Douglas L. Smith
City Manager

City of Norfolk Phase I MS4 Annual Report - Fiscal Year 2019
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; second revision made October 31, 2018 and re-posted online November 2, 2018) for a full list of roles and responsibilities. https://www.norfolk.gov/documentcenter/view/31602
	Each annual report shall include a list of those circumstances of non-compliance outside of the permittee's control. • NA – None during FY2019.
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. • Revision #2 of the MS4 Program plan was submitted to DEQ on October 31, 2018 and re-posted online November 2, 2018. https://www.norfolk.gov/documentcenter/view/31602
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. • Revision #2 of the MS4 Program plan was submitted to DEQ on October 31, 2018 and re-posted online November 2, 2018. https://www.norfolk.gov/documentcenter/view/31602
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 316 land disturbing activities were approved, for a total of 148.43 disturbed acres.
	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 4,738 Erosion & Sediment Control inspections were conducted, resulting in 118 written Notices of Violation.
	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 FY2019.
	Each annual report shall include a summary of actions taken by the permittee to implement a local E&SC program consistent with the VESC Law and regulations, and a SWM program consistent with VSWM Act and regulations. The permittee shall identify in the MS4 Program Plan all legal authorities for ESC and SWM that are more stringent than required.

Permit Section	Specific Reporting Requirement and Result
	• See MS4 Program Plan (https://www.norfolk.gov/documentcenter/view/31602) and City's Design & Construction Manual (https://www.norfolk.gov/DocumentCenter/View/21350) for details.
Part I.B.2.b (Retrofitting on Prior Developed Lands)	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
	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.
Part I.B.2.c (Roadways)	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.
	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.
Part I.B.2.d (Pesticide, Herbicide, and Fertilizer Application)	Updated list of all permittee lands and applicable acreage on which nutrients are applied to more than one contiguous acre: • See table below.
	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, 2019 – Not less than 40% 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. This accounts for 100% of all identified acres required to be covered under Nutrient Management Plans.

Site	Irrigated / Non-irrigated	Sq Ft	Acres
Lake Taylor Soccer Field 1	Irrigated	74,339	1.70
Lake Taylor Soccer Field 2	Irrigated	72,601	1.67
Lake Taylor Soccer Field 3	Irrigated	68,158	1.56
Lake Taylor Soccer Field 5	Irrigated	65,221	1.50
Lake Taylor Soccer Field 6	Irrigated	34,597	0.79
Lake Taylor Soccer Field 7	Irrigated	60,607	1.39
Lake Taylor Soccer Field 9	Irrigated	77,154	1.77
Lake Taylor Soccer Field 10	Irrigated	76,247	1.75
Lake Taylor Soccer Field 11	Irrigated	70,354	1.62
Lake Taylor Soccer Field 12	Irrigated	61,526	1.41
Lake Taylor Soccer Field 13	Irrigated	35,089	0.81
Lake Taylor Soccer Field 14	Irrigated	71,932	1.65

Permit Section	Specific Reporting Requirement and Result

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 High 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

- Due October 1, 2020 – Not less than 75% of all identified acres will be covered by turf and landscape management plans.

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 FY19, as well as a list of sanitary sewer overflows reported to SSORS by Public Utilities.

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 756,561 linear feet of sanitary sewer during FY19.

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. The International Coastal Cleanup takes place September 10th 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 as a means to change behavior toward cleaner, healthier waterways. In 2016, Keep Norfolk Beautiful began this initiative throughout the months of September and October. Trash was collected and recorded from various sites across Norfolk. In FY18 Keep Norfolk Beautiful added the ICC data sets to the City's Open Data Portal. Listing the yearly results on this platform will allow the public as well as City staff to access and evaluate this data. Norfolk will continue to determine the effectiveness of reducing floatables in our targeted areas of Norfolk.
  See Appendix 4 for a detailed list of sites surveyed and items collected during Norfolk's FY2019 International Coastal Cleanup.
- Each year, the Community Appearance Survey, conducted by Keep Norfolk Beautiful and volunteers, measures litter to target ways to keep our city clean. Each year, a team of volunteers conducts a windshield tour of the city to assess the level of litter. It takes a day

Permit Section	Specific Reporting Requirement and Result
	and a half to drive 12 routes in each of the city's five wards, for a total of 60. Each of the routes varies in length from half a mile to a mile. Keep Norfolk Beautiful has used the same routes for the last eight years to create a baseline and standard for measuring litter in our city. Driving the same routes ensures consistency in measurements as well as coverage of a broad distribution of sites within the city. See Appendix 4 for a detailed summary of the data from the last eight years, and a copy of the Training Script for volunteers. Also see https://data.norfolk.gov/stories/s/Keep-Norfolk-Beautiful-Litter-Index/pwzd-ddfh/ for additional information.

	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 year for Norfolk citizens to easily and safely recycle waste materials at no charge.
	• Norfolk residents are invited to participate in the fall and spring Clean Out to Cleanup (formerly America Recycles Day and Norfolk Recycles Day) events each year. This event is an open to the public, electronics, recycling, and household hazardous waste (HHW) event, at the City's Waste Management Facility, located at 1176 Pineridge Road. In partnership with Goodwill Industries, TFC Recycling and Iron Mountain and Eggleston Shredding Services, the event offers Norfolk residents a one-stop location to drop unwanted items such as acceptable recyclable items, household hazardous waste, electronics, unwanted household items, and used clothing.
	• Data
	  o Fall 2018 Event – Clean Out to Clean Up
	  ▪ 241 Participants
	  ▪ 4 partners involved (City of Norfolk Waste Management, Goodwill, TFC Recycling, and Eggleston Shredding)
	  ▪ 340 lbs general recyclables collected
	  ▪ 10,641 lbs of paper shredded and recycled
	  ▪ 48 lbs of plastic film/bags recycled
	  ▪ 3,770 lbs of electronics recycled
	  ▪ 1,100 lbs of clothing/textiles recycled
	  ▪ See Appendic 4 for HHW detailed items list
	  o Spring 2019 Event – Clean Out to Clean Up
	  ▪ 183 Participants
	  ▪ 3 partners involved (City of Norfolk Waste Management, Goodwill, and Iron Mountain Shredding)
	  ▪ 0 lbs general recyclables collected
	  ▪ lbs of paper shredded and recycled not available
	  ▪ 74 lbs of plastic film/bags recycled
	  ▪ 1650 lbs of electronics recycled
	  ▪ 4863 lbs of clothing/textiles recycled
	  ▪ See Appendix 4 for HHW detailed items list
	• Promotion
	  o Social Media – both keep Norfolk Beautiful and City of Norfolk
	  ▪ Instagram, Twitter, Facebook
	  o Flyers in libraries, rec centers, downtown, local events, Keep Norfolk Beautiful Office, Waste Management Office
	  o Ad in the New Journal Guide

Permit Section	Specific Reporting Requirement and Result
	o Volunteer Newsletter o City of Norfolk Website – front page and Keep Norfolk beautiful page o Notice to Civic Leagues o Library electronic kiosk • In addition, the City operated a free HHW collection service for Norfolk residents during FY19. Proof of residency was required, and the site was located at the Division of Waste Management at 1176 Pineridge Road. The site was operated Monday – Saturday from 10am – 2pm. Effective July 1, 2019, hazardous waste acceptance was moved to SPSA's Norfolk Transfer Station located at 3136 Woodland Avenue. The hours of operations are from noon until 4:00 p.m. on Tuesdays and Saturdays. • See Appendix 4 for event flyers and lists of items collected, as well as a list of items accepted at the City's HHW collection site and a spreadsheet documenting items collected during FY19.
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 FY19, as well as a list of sanitary sewer overflows reported to SSORS by Public Utilities.
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 a list of facility outfalls inspected during FY19.
	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 FY19 The permittee shall refer facilities and operations having non-stormwater discharges that do not have coverage under an existing VPDES permit. • DEQ was contacted by Norfolk Storm Water staff regarding Mil-Spec Abrasives (3306 Peterson Street in Norfolk, VA) and a joint inspection was conducted 7/5/2019. They have an Industrial Stormwater Permit with DEQ (VAR051844), but were found discharging process wastewater. Both DEQ and the City of Norfolk have ongoing enforcement actions with the facility. 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 FY19 The permittee shall refer any VPDES industrial stormwater permit facility where there is evidence of significant pollutant loadings to the MS4. • See Appendix 5 for facilities list. 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. • See Appendix 5 for facilities list.

Permit Section	Specific Reporting Requirement and Result
Part I.B.2.h (Stormwater Infrastructure Management)	Each annual report shall include a summary of activities performed in support of the inspections and maintenance program….The summary shall include the total number of drainage structures operated by the permittee; the total length of open conveyance that is part of the permittee's MS4; the total number of the drainage structures inspected (at least 4,060) and the total length of open conveyances inspected (at least 35,460). • Total # Drainage Structures – 35,627 Total Length of Open Conveyance – 353,213 linear feet Total # Drainage Structures Inspected (at least 4,060) – 25,115 Total Length of Open Conveyances Inspected (at least 35,460 linear ft) – 91,510 linear ft
	Each annual report shall provide a summary of actions taken by the permittee to address failure of privately maintained SWM facilities owners to abide by maintenance agreements. • See Appendix 6 for Storm Water Best Management Practice Inspections SOP. Also see section 2.8 in the City's MS4 Program Plan.
	Each annual report shall include a list of activities including inspections performed and notifications of needed maintenance and repair of stormwater facilities not operated by the permittee as required…. • See Appendix 6 for Storm Water Best Management Practice Inspections SOP and a comprehensive list of private and public SWMF inspections and reinspections conducted during FY19. Also see section 2.8 in the City's MS4 Program Plan.
	The annual report due October 1, 2021 shall include as updated list of all information requested in Part I.B.2.h)5). • Due October 1, 2021.
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. o Public Works Operations o Waste Management o Recreation, Parks, & Open Space o Moores Bridges WTP o 37th Street WTP o Public Utilities Combined Operation o Facilities o Fleet o School Fleet
	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. • Due June 2021.
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. • In January 2019, askHRgreen.org collaborated with several Hampton Roads municipalities (including the City of Norfolk), to send letters to all lawn care and landscaping service businesses licensed in those localities. The letters encouraged the implementation of practices to prevent yard waste, debris, grass clippings, and other pollutants to the City's storm water system. See Appendix 8 for a copy of the letter.

Permit Section	Specific Reporting Requirement and Result
	• The City also has a program that requires all residents applying for a business license for a mobile car wash to sign an application with the Division of Environmental Storm Water management. The application provides explanation of the City's code and offers options to not discharging wash water into the City's storm water system. A total of 11 business owners signed the application in FY19. 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. • See Appendix 8 for a list of additional presentations, workshops, cleanups, beautification events, and other activities conducted by both Keep Norfolk Beautiful and the Division of Environmental Storm Water Management, as well as copy of the Public Works Operations – Stormwater Communication Outline, the askHRGreen.org Annual Report which summarizes activities conducted at a Regional level, and the FY19 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 (https://www.norfolk.gov/documentcenter/view/31602).
	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 FY19, the City's Bay Star Home program gave away 38 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 FY19, ERP installed 1 rain garden, 1 infiltration system, 3 living shorelines totaling 2,472 ft^2, 2 riparian buffer plantings totaling 14,003 ft^2, and 40 rain barrels draining 11,089 ft^2. In addition, the City has a Fee Reduction Program (https://www.norfolk.gov/DocumentCenter/View/27641). 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 (https://www.norfolk.gov/documentcenter/view/31602).
	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/27641). Also see Section 2.8 of the City's MS4 Program Plan (https://www.norfolk.gov/documentcenter/view/31602).
	The permittee shall post a copy of this state permit on its web page no later than 30-days after the effective date of this permit and continue to retain a copy of the permit online for the duration of this permit. • https://www.norfolk.gov/DocumentCenter/View/2994
	The permittee shall post copies of each annual report on its website no later than 30-days after the report submittal to the Department and continue to retain copies of annual reports online for the duration of this permit. • The FY18 Annual Report was posted October 15, 2018. All Annual Reports can be found at https://www.norfolk.gov/index.aspx?NID=1689. The FY19 Annual Report will be posted on the City webpage upon submittal to the Department.
	The permittee shall post the most current MS4 Program Plan on its website no later than 30 days after approval of the MS4 Program Plan and maintain a current copy on the website. If the MS4 Program Plan is modified or revised, the updated plan shall be posted within 30 days of the revision. • https://www.norfolk.gov/documentcenter/view/31602

Permit Section	Specific Reporting Requirement and Result
Part I.B.2.k (Training)	Each annual report shall include a list of training events, the date and the estimated number of individuals attending each event. (The permittee shall provide biennial training to appropriate field personnel in the recognition and reporting of illicit discharges; in good housekeeping and P2 practices that are to be employed during road, street, and parking lot maintenance, in and around permittee maintenance and public works facilities, and recreation facilities.)

Date	Dept/Div Reached	# Attending	Topics
3/4/2019	Public Utilities – Combined Operations	119	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
3/12/2019 3/15/2019	Division of Waste Management	96	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
3/28/2019	Norfolk Public Schools – Janitorial Staff	78	Spill response, good housekeeping, pollution prevention
4/18/2019	37th Street Water Treatment Plant	9	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
4/9/2019	PW Operations – Streets, Bridges, Stormwater	143	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
4/18/2019	Facilities Maintenance	51	SWPPP, IDDE, spill response, good housekeeping, pollution prevention
6/14/20198	Moores Bridges Water Treatment Plant	21	SWPPP, IDDE, spill response, good housekeeping, pollution prevention

The annual report due October 1, 2017 shall include documentation of employee emergency spill response training and/or certification.

- HazMat Operations/OSHA Level II 8-hour training was conducted October 1 & 4, 2018 and reached a total of 77 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 (https://www.norfolk.gov/documentcenter/view/31602).

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 (https://www.norfolk.gov/documentcenter/view/31602).

Permit Section	Specific Reporting Requirement and Result
	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 (https://www.norfolk.gov/documentcenter/view/31602).
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. • The City of Norfolk staff met with VDOT August 1, 2018 for the Hampton Roads Bridge Tunnel Crossing project. A Regional VDOT MS4 Coordination Meeting was held April 4, 2019. In addition, the City of Norfolk met with VDOT February 21, 2019 to discuss the I-64/I-264 Phase III Interchange Improvements project. See Appendix 11 for detailed copies of the meeting minutes, agendas, and attendance rosters.
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.
	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. • Due December 30, 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. • See Appendix 6 for a list of all SWM facilities brought online during each reporting year, up to and through FY19.
	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 FY19. 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 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 FY19. Also see section 2.8 in the City's MS4 Program Plan.
Part I.D.1.b) & d) (Chesapeake Bay Watershed TMDL Planning & Annual Reporting Requirements)	No later than 24- months after the effective date of this state permit, the permittee shall develop and submit to the Department for its review and approval a phased Chesapeake Bay TMDL Action Plan. • Submitted June 29, 2018.
	Each subsequent annual report shall include a list of control measures implemented during the reporting period and the cumulative progress toward meeting the compliance targets for TN, TP, and TSS. • See Appendix 14.
	Each subsequent annual report shall include a list of control measures that were implemented during the reporting cycle and the estimated reduction achieved by the control. For stormwater management controls, the report shall include…whether an existing stormwater management control was retrofitted, and if so, the existing stormwater management control type retrofit used. • See Appendix 14.
	Each annual report shall include a list of control measures that are expected to be implemented during the next reporting period and the expected progress toward meeting the compliance targets for TN, TP, and TSS. • See Appendix 14.
	The permittee shall include the following as part of its reapplication package: (a) documentation that sufficient control measures have been implemented (or documentation detailing that implementation will be complete by the expiration date of this state permit) to meet the compliance target identified in this Special Condition, and (b) a draft second phase Chesapeake Bay TMDL Action Plan. • Due December 30, 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. • Due December 30, 2020.

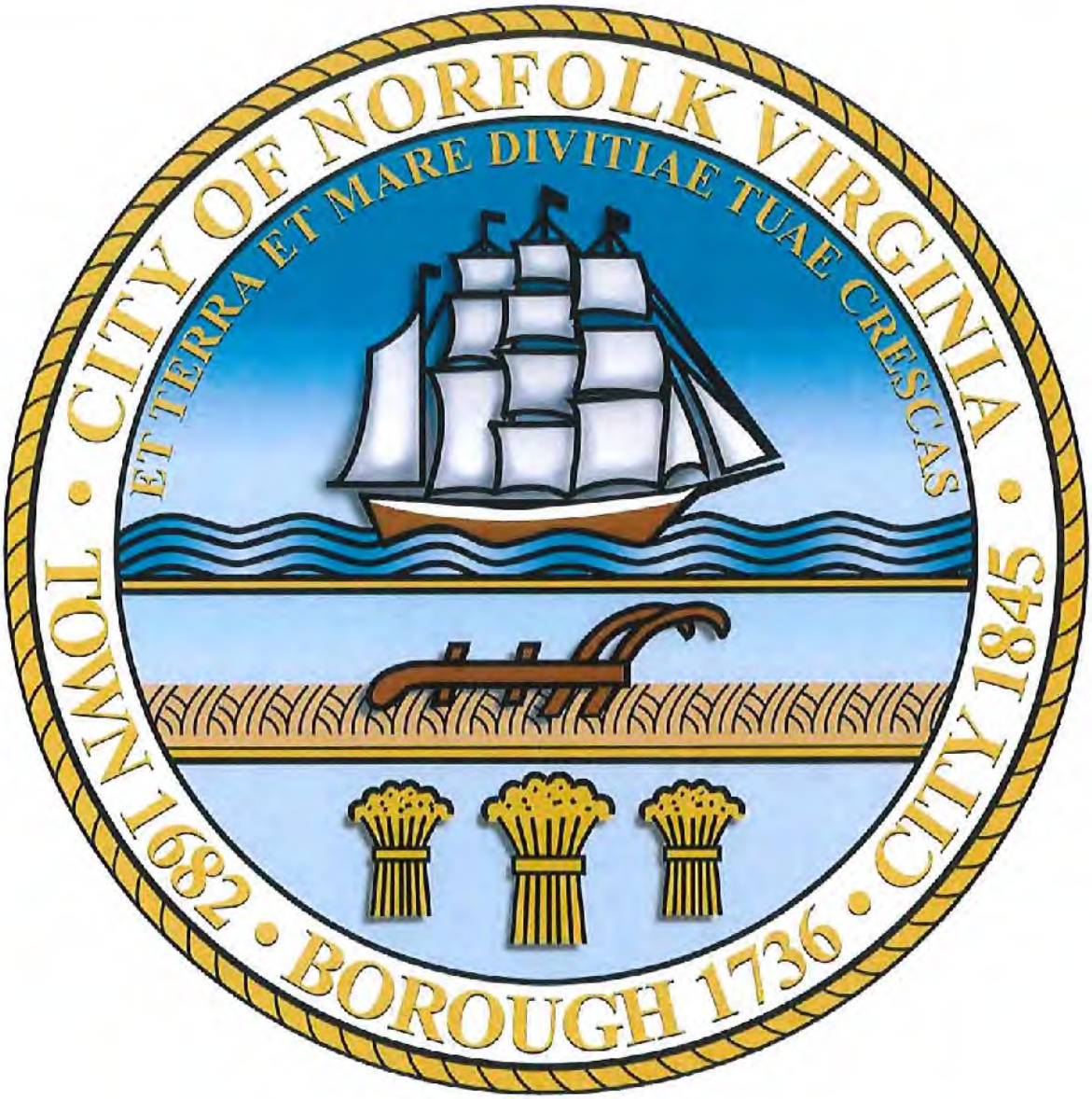
Appendix 1

Capital Improvement Plan

FY 2020 - FY 2024 Capital Improvement Plan									
			Originally Planned	Adopted	Planned				
Project Title	Fund	Pg	FY 2020	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total
Facilities									
Maintain Parking Facilities	PF	513	2,900,000	2,900,000	2,900,000	2,900,000	2,900,000	2,900,000	14,500,000
Relocate the City's Data Center	CP	514	-	-	4,000,000	-	-	-	4,000,000
Renovate the School Administration Building	CP	515	-	-	-	3,250,000	3,250,000	-	6,500,000
Repair and Replace Underground Storage Tanks	CP	516	-	100,000	100,000	100,000	-	-	300,000
Replace Fire Station 11	CP	517	-	-	5,400,000	-	-	-	5,400,000
Support Jail Improvements	CP	518	200,000	450,000	350,000	300,000	300,000	300,000	1,700,000
Subtotal Public Buildings			**5,250,000**	**24,641,100**	**23,500,000**	**17,300,000**	**16,450,000**	**12,950,000**	**94,841,100**
Parks & Recreation Facilities									
Implement RPOS Master Plan	CP	519	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000
Improve Community and Neighborhood Parks	CP	520	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000
Improve Existing Community Centers	CP	521	200,000	200,000	200,000	200,000	200,000	200,000	1,000,000
Improve Tennis Courts Citywide	CP	522	400,000	400,000	-	-	-	-	400,000
Subtotal Parks & Recreation Facilities			**1,350,000**	**1,350,000**	**950,000**	**950,000**	**950,000**	**950,000**	**5,150,000**
Environmental Sustainability									
Address Street Flooding Citywide	SW	523	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	6,500,000
Control Beach Erosion	CP	524	1,214,400	1,014,400	1,014,400	1,014,400	1,014,400	1,014,400	5,072,000
Create Citywide Flooding Reserve	SW	525	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	6,576,000
Improve Storm Water Quality	SW	526	2,350,000	2,350,000	2,350,000	2,350,000	2,350,000	2,350,000	11,750,000
Improve Storm Water System	SW	527	600,000	600,000	600,000	600,000	600,000	600,000	3,000,000
Improve Storm Water	SW	528	500,000	500,000	500,000	500,000	500,000	500,000	2,500,000

FY 2020 - FY 2024 Capital Improvement Plan									
			Originally Planned	Adopted	Planned				
Project Title	Fund	Pg	FY 2020	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	Total
Waterfront Facilities									
Raise the Downtown Floodwall	SW	529	1,000,000	1,000,000	1,000,000	8,000,000	8,000,000	-	18,000,000
Reduce Neighborhood Flooding	SW	530	2,850,000	2,850,000	2,850,000	2,850,000	2,850,000	2,850,000	14,250,000
Support Campostella Landfill Post Closure Requirements	WM	531	1,000,000	1,000,000	-	-	-	-	1,000,000
Subtotal Environmental Sustainability			**12,129,600**	**11,929,600**	**10,929,600**	**17,929,600**	**17,929,600**	**9,929,600**	**68,648,000**
Wastewater									
Create Citywide Wastewater Utility Reserve	SF	533	-	5,000,000	-	-	-	-	5,000,000
Improve Wastewater Collection System	SF	534	20,000,000	12,000,000	15,000,000	15,000,000	15,000,000	15,000,000	72,000,000
Subtotal Wastewater			**20,000,000**	**17,000,000**	**15,000,000**	**15,000,000**	**15,000,000**	**15,000,000**	**77,000,000**
Water									
Construct Commonwealth Railroad Pipeline	WF	535	-	-	15,000,000	-	-	-	15,000,000
Create Citywide Water Utility Reserve	WF	536	-	5,000,000	-	-	-	-	5,000,000
Improve Water Resources and Delivery System	WF	537	17,233,333	16,000,000	13,805,000	15,505,000	13,305,000	12,505,000	71,120,000
Upgrade Billing System	WF	538	-	-	-	-	2,000,000	-	2,000,000
Upgrade Water Treatment Plants	WF	539	13,500,000	16,500,000	12,500,000	12,500,000	5,500,000	11,500,000	58,500,000
Subtotal Water			**30,733,333**	**37,500,000**	**41,305,000**	**28,005,000**	**20,805,000**	**24,005,000**	**151,620,000**
General & Other									
Fund Preliminary Engineering	CP	541	609,000	609,000	-	-	-	-	609,000
Improve Infrastructure and Acquire Property	CP	542	1,000,000	-	1,000,000	1,000,000	1,000,000	1,000,000	4,000,000
Subtotal General & Other			**1,609,000**	**609,000**	**1,000,000**	**1,000,000**	**1,000,000**	**1,000,000**	**4,609,000**

Environmental Sustainability



Address Street Flooding Citywide

Department

Storm Water Utility

Fund

Storm Water Utility

Account #

4000 35 4250

Property Address:

Citywide

Customers Served

Residents ☑ Business ☑ City Services ☑

Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to address street flooding issues throughout the city. These projects may correct minor to moderate resident flooding concerns that are compiled by the Department of Public Works.

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	6,500,000
FY 2019 Adopted	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	N/A	6,500,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	150,000	150,000	150,000	150,000	150,000	750,000
Construction/FFE	N/A	1,150,000	1,150,000	1,150,000	1,150,000	1,150,000	5,750,000
Total	N/A	1,300,000	1,300,000	1,300,000	1,300,000	1,300,000	6,500,000

Prior Capital Funding	1,300,000
FY 2020 Adopted	1,300,000
Capital Share Remaining	5,200,000
Project Total	7,800,000

Control Beach Erosion

Department

City Planning

Fund

General Capital

Account #

4000 15 3049

Property Address:

Citywide

Customers Served

Residents ☑ Business ☐ City Services ☐

Educational Community ☐ Tourists/Visitors ☑

Project Description

Provide funds for shoreline erosion control structures; shoreline modeling; annual wave gauge maintenance; sand replenishment; dune maintenance, repair and re-vegetation; and continuation of the biennial beach survey. The U.S. Army Corps of Engineers completed a $38.4 million beach nourishment project in Willoughby Spit and the surrounding areas in FY 2018. The project helped repair the shoreline and protect it from future storms.

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	1,014,400	1,014,400	1,014,400	1,014,400	1,014,400	5,072,000
FY 2019 Adopted	914,400	1,214,400	1,214,400	1,214,400	1,214,400	N/A	5,772,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	200,000	200,000	200,000	200,000	200,000	1,000,000
Construction/FFE	N/A	814,400	814,400	814,400	814,400	814,400	4,072,000
Total	N/A	1,014,400	1,014,400	1,014,400	1,014,400	1,014,400	5,072,000

Prior Capital Funding	33,157,300
FY 2020 Adopted	1,014,400
Capital Share Remaining	4,057,600
Project Total	38,229,300

Create Citywide Flooding Reserve

Department

Storm Water Utility

Fund

Storm Water Utility

Account #

4000 35 4188

Property Address:

Citywide

Customers Served

Residents ☑ Business ☑ City Services ☑

Educational Community ☑ Tourists/Visitors ☑

Project Description

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

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	6,576,000
FY 2019 Adopted	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	N/A	6,576,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	6,576,000
Construction/FFE	N/A	0	0	0	0	0	0
Total	N/A	1,315,200	1,315,200	1,315,200	1,315,200	1,315,200	6,576,000

Prior Capital Funding	9,206,400
FY 2020 Adopted	1,315,200
Capital Share Remaining	5,260,800
Project Total	15,782,400

Improve Storm Water Quality

Department

Storm Water Utility

Fund

Storm Water Utility

Account #

4000 35 3034

Property Address:

Citywide

Customers Served

Residents ☑ Business ☑ City Services ☐

Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to continue retrofits, improvements, and construction of new best practices used to reduce storm water-related pollutants entering local waterways, rivers, and the Chesapeake Bay. Funding will allow the city to meet commitments to the State Storm Water Local Assistance Fund Projects previously awarded, as well as complete projects associated with Super Storm Sandy National Fish and Wildlife Fund award. The funding will ensure the city's storm water compiles with regulatory standards and goals are met by 2030.

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	2,350,000	2,350,000	2,350,000	2,350,000	2,350,000	11,750,000
FY 2019 Adopted	2,350,000	2,350,000	2,350,000	2,350,000	2,350,000	N/A	11,750,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	350,000	350,000	350,000	350,000	350,000	1,750,000
Construction/FFE	N/A	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000
Total	N/A	2,350,000	2,350,000	2,350,000	2,350,000	2,350,000	11,750,000

Prior Capital Funding	13,900,000
FY 2020 Adopted	2,350,000
Capital Share Remaining	9,400,000
Project Total	25,650,000

Improve Storm Water System

Department

Storm Water Utility

Fund

Storm Water Utility

Account #

4000 35 3035

Property Address:

Citywide

Customers Served

Residents ☑ Business ☑ City Services ☑

Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to improve storm water facilities. Projects include installing standby power generators at underpass storm water stations; replacing pumps, controls, electrical systems, valves, and piping that are approaching the end of their service life; and installing and replacing tideflex flap valves on storm water outfalls to reduce tidal flooding during aberrant tide conditions.

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	600,000	600,000	600,000	600,000	600,000	3,000,000
FY 2019 Adopted	600,000	600,000	600,000	600,000	600,000	N/A	3,000,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	60,000	60,000	60,000	60,000	60,000	300,000
Construction/FFE	N/A	540,000	540,000	540,000	540,000	540,000	2,700,000
Total	N/A	600,000	600,000	600,000	600,000	600,000	3,000,000

Prior Capital Funding	12,850,000
FY 2020 Adopted	600,000
Capital Share Remaining	2,400,000
Project Total	15,850,000

Improve Storm Water Waterfront Facilities

Department

Storm Water Utility

Fund

Storm Water Utility

Account #

4000 35 3037

Property Address:

Citywide

Customers Served

Residents ☑ Business ☑ City Services ☐

Educational Community ☐ Tourists/Visitors ☑

Project Description

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

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	500,000	500,000	500,000	500,000	500,000	2,500,000
FY 2019 Adopted	500,000	500,000	500,000	500,000	500,000	N/A	2,500,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	50,000	50,000	50,000	50,000	50,000	250,000
Construction/FFE	N/A	450,000	450,000	450,000	450,000	450,000	2,250,000
Total	N/A	500,000	500,000	500,000	500,000	500,000	2,500,000

Prior Capital Funding	8,500,000
FY 2020 Adopted	500,000
Capital Share Remaining	2,000,000
Project Total	11,000,000

Raise the Downtown Floodwall

Department

Storm Water Utility

Fund

Storm Water Utility

Account #

4000 35 4270

Property Address:

Downtown

Customers Served

Residents ☑ Business ☑ City Services ☑

Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds to raise the elevation of the downtown floodwall between one and two feet, reinforce sections of the wall, and reconstruct all flood gates in order to provide the level of flood protection required by the Federal Emergency Management Agency (FEMA) for the downtown area. The U.S. Army Corps of Engineers has submitted a study to Congress along with a request for funds. If the request is successful, the city would only be responsible for a portion of the project cost.

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	1,000,000	1,000,000	8,000,000	8,000,000	0	18,000,000
FY 2019 Adopted	0	1,000,000	1,000,000	8,000,000	8,000,000	N/A	18,000,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	1,000,000	1,000,000	0	0	0	2,000,000
Construction/FFE	N/A	0	0	8,000,000	8,000,000	0	16,000,000
Total	N/A	1,000,000	1,000,000	8,000,000	8,000,000	0	18,000,000

Prior Capital Funding	0
FY 2020 Adopted	1,000,000
Capital Share Remaining	17,000,000
Project Total	18,000,000

Reduce Neighborhood Flooding

Department

Storm Water Utility

Fund

Storm Water Utility

Account #

4000 35 3032

Property Address:

Citywide

Customers Served

Residents ☑ Business ☑ City Services ☑

Educational Community ☑ Tourists/Visitors ☑

Project Description

Provide funds for neighborhood flood mitigation programs to address various drainage system improvements, repairs, rehabilitation, cleaning, and drainage studies in neighborhoods throughout the city. Funding will allow for infrastructure improvements to better mitigate issues from precipitation and tidal flooding.

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	2,850,000	2,850,000	2,850,000	2,850,000	2,850,000	14,250,000
FY 2019 Adopted	2,850,000	2,850,000	2,850,000	2,850,000	2,850,000	N/A	14,250,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	350,000	350,000	350,000	350,000	350,000	1,750,000
Construction/FFE	N/A	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	12,500,000
Total	N/A	2,850,000	2,850,000	2,850,000	2,850,000	2,850,000	14,250,000

Prior Capital Funding	23,850,000
FY 2020 Adopted	2,850,000
Capital Share Remaining	11,400,000
Project Total	38,100,000

Support Campostella Landfill Post Closure Requirements

Department

Waste Management

Fund

Waste Management

Account #

4000 09 4209

Property Address:

2400 Berkley Avenue Ext

Customers Served

Residents ☑ Business ☑ City Services ☑

Educational Community ☐ Tourists/Visitors ☐

Project Description

Provide funds for fly ash repairs and seep fixes in the Campostella Landfill, which is a closed and permitted facility regulated by the Virginia Department of Environmental Quality. In order to comply with post-closure regulatory requirements, the city must monitor discharge of various pollutants and take remedial action if levels of any of those pollutants exceed acceptable limits.

Financial Summary

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
FY 2020 Adopted	N/A	1,000,000	0	0	0	0	1,000,000
FY 2019 Adopted	1,100,000	1,000,000	0	0	0	N/A	2,100,000
Estimated Operating Budget Impact	N/A	0	0	0	0	0	0

Anticipated Project Timeline:

	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	TOTAL
Planning/Design/Other	N/A	0	0	0	0	0	0
Construction/FFE	N/A	1,000,000	0	0	0	0	1,000,000
Total	N/A	1,000,000	0	0	0	0	1,000,000

Prior Capital Funding	3,000,000
FY 2020 Adopted	1,000,000
Capital Share Remaining	0
Project Total	4,000,000

Enterprise Funds

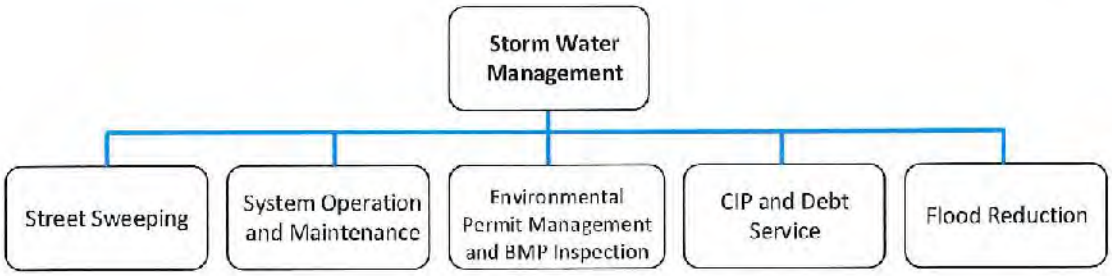
STORM WATER MANAGEMENT

MISSION STATEMENT

As part of Public Works Operations, Storm Water Management strives to improve the quality of life of Norfolk's residents, business owners, and visitors by improving the environment through reducing pollutants in storm water discharges. Storm Water Management also mitigates flooding, thereby reducing property damage and threats to life, health, and economic vitality.

DEPARTMENT OVERVIEW

The Division of Storm Water Management focuses on five prominent categories of work: environmental permit management and regulatory compliance, Capital Improvement Program (CIP) and debt service, flood reduction, system operation and maintenance, and street sweeping. Staff is comprised of professional engineers, environmental scientists, and operations personnel that coordinate to meet the division's goals of reducing flooding and preventing pollution. The Division of Storm Water Management receives oversight from the Department of Public Works.



PERFORMANCE MEASURES

Goal

Enhance efficient use and protection of natural resources

Objective

Prevent pollutants and debris from entering the storm water system

Measure	FY 2017 Actual	FY 2018 Actual	FY 2019 Adopted	FY 2020 Adopted	Change
Miles of curb cleaned through street sweeping	54,632	53,781	50,000	55,000	5,000
Number of tons of debris removed by street sweeping	8,461	5,589	7,000	7,000	0

Goal

Reduce the negative impacts of flooding

Objective

Keep Norfolk's drain/storm water structures clean and free from debris

Measure	FY 2017 Actual	FY 2018 Actual	FY 2019 Adopted	FY 2020 Adopted	Change
Number of drain structures cleaned annually	7,459	12,715	7,000	10,000	3,000

Revenue Summary

	FY 2017 Actual	FY 2018 Actual	FY 2019 Adopted	FY 2020 Adopted
Use of Money and Property	$590	$946	$565	$565
Charges for Services	$15,929,744	$16,342,605	$16,532,729	$20,788,948
Miscellaneous Revenue	$107,607	$94,528	$45,000	$45,000
Recovered Costs	$0	$172,377	$0	$0
Federal Aid	$112,903	$449,362	$0	$0
Total	$16,150,844	$17,059,818	$16,578,294	$20,834,513

Actual amounts represent collections, not appropriation authority.

Expenditure Summary

	FY 2017 Actual	FY 2018 Actual	FY 2019 Adopted	FY 2020 Adopted
Personnel Services	$5,849,984	$6,122,698	$6,812,177	$6,576,818
Materials, Supplies and Repairs	$2,688,424	$3,109,288	$2,080,934	$2,469,064
Contractual Services	$2,929,342	$2,594,038	$1,669,927	$1,602,242
Equipment	$177,486	$108,195	$988,225	$1,119,425
Department Specific Appropriation	($66)	($89,246)	$0	$2,189,433
Debt Service/Transfers to CIP	$4,416,853	$4,737,283	$5,027,031	$6,877,531
Total	$16,062,023	$16,582,256	$16,578,294	$20,834,513

Adopted FY 2020 Budget Actions

- **Provide funds for a citywide compensation increase** **FY 2020 $38,464 FTE: 0**

  Provide funds for a compensation increase for city employees. FY 2020 compensation actions include: a two percent salary increase for general and constitutional officer employees; a step increase for sworn Police and Fire-Rescue employees; an increase to the permanent employee living wage, and salary range adjustments to the city's most regionally out of market positions. All actions will be effective January 2020.

- **Create a repair and replacement fund** **FY 2020 $500,000 FTE: 0**

  Provide funds to create a repair and replacement reserve. In FY 2020, Storm Water will begin the transition from a Special Revenue Fund to an Enterprise Fund. The transition requires Storm Water to achieve a $2 million repair and replacement reserve. In FY 2020, $500,000 will be contributed for this purpose.

- **Expand pump station operations** **FY 2020 $202,184 FTE: 2**

  Add a Utility Maintenance Mechanic II position, a Maintenance Mechanic II position, and a truck to create a new pump station crew to assist with the preventative maintenance and inspections of storm water infrastructure.

- **Enhance financial monitoring and reporting** **FY 2020 $117,640 FTE: 2**

  Provide funds to add an Enterprise Controller position and an Accountant III position to support the transition of the Storm Water Fund from a Special Revenue Fund to an Enterprise Fund.

- **Adjust debt service expenses** **FY 2020 $1,850,500 FTE: 0**

  Technical adjustment to adjust annual debt service payments for storm water related projects.

- **Provide funds to acquire flood insurance for pump stations** **FY 2020 $68,000 FTE: 0**

  Technical adjustment to acquire flood insurance for five storm water pump stations across the city. The five pump stations requiring flood insurance are located below the flood plain.

- **Increase funding for HRPDC contribution** **FY 2020 $4,726 FTE: 0**

  Technical adjustment to increase funding for Hampton Roads Planning District Commission (HRPDC). Norfolk's contribution to HRPDC is based on a per capita rate and population numbers from the U.S. Census Bureau. The contribution from Storm Water supports regional environmental education and outreach programs.

- **Adjust operational expenses** **FY 2020 $1,560,552 FTE: 0**

  Technical adjustment for operational expenses which occur annually. These expenses include indirect costs and operational supplies.

- **Remove one-time funds used to replace the work order system** **FY 2020 ($11,530) FTE: 0**

  Technical adjustment to remove one-time funds provided in FY 2019 used to manage work orders and requests throughout various departments, schedule preventative maintenance for assets, control inventory of assets, plan and budget resources, and report on these systems.

- **Adjust costs for Fleet expenditures** **FY 2020 $389,330 FTE: 0**

  Technical adjustment to update the funding needed to support Fleet expenditures based on an annual cost revision calculation. Fleet provides maintenance, fuel, and the management of vehicles for essential operations of the department. This is a routine adjustment which occurs each budget cycle.

- **Adjust required contribution to the city retirement system** **FY 2020 ($29,040) FTE: 0**

  Adjust the annual required contribution to the Norfolk Employees' Retirement System (NERS). Retirement contributions are based on a formula that calculates funds needed to meet present and future retirement payments. The contribution rate for the city will increase from 18.98 percent to 19.50 percent of eligible payroll in FY 2020. Costs are distributed to departments based on each department's NERS eligible payroll.

- **Annualize FY 2019 compensation increase** **FY 2020 $47,557 FTE: 0**

Technical adjustment to annualize FY 2019 compensation actions that occurred in January 2019. The Adopted FY 2019 Budget included funds for: a two percent salary increase for general and constitutional officer employees; a step increase for sworn Police and Fire-Rescue employees; an increase to the permanent employee living wage; and salary range adjustments to the city's most regionally out of market positions.

- **Update personnel expenditures** **FY 2020 ($482,164) FTE: 0**

Technical adjustment to update department costs for personnel services. Changes include updates to staffing due to administrative actions and the funds needed in FY 2020 for such actions. In addition, the city transitioned to position-based budgeting in FY 2019. Adjustments to personnel expenditures reflect an update to the department's budget for positions, based on actual salaries for filled positions and minimum salaries for vacant positions, as of January 2019. The adjustment also reflects updated healthcare costs for an overall employer contribution increase of five percent based on enrollment. These are routine actions that occur at the beginning of the budget cycle.

Storm Water Management **Total: $4,256,219 FTE: 4**

Full Time Equivalent (FTE) Summary

	Pay Grade	Minimum	Maximum	FY 2019 Adopted	FTE Change	FY 2020 Adopted
Accountant I	1 11	$40,805	$66,586	1	0	1
Accountant III	1 13	$47,823	$77,978	0	1	1
Accountant IV	1 14	$52,020	$86,041	1	0	1
Accounting Supervisor	1 14	$52,020	$86,041	1	0	1
Accounting Technician II	1 07	$29,391	$47,962	2	0	2
Administrative Assistant II	1 10	$37,337	$60,884	2	0	2
Administrative Technician	1 07	$29,391	$47,962	1	0	1
Automotive Service Attendant	1 08	$31,804	$51,864	1	0	1
Civil Engineer II	1 15	$56,314	$92,075	2	0	2
Civil Engineer III	1 16	$60,149	$98,068	2	0	2
Civil Engineer V	1 18	$68,697	$112,020	1	0	1
Collection Coordinator	1 11	$40,805	$66,586	1	0	1
Construction Inspector II	1 11	$40,805	$66,586	3	0	3
Crew Leader I	1 09	$34,445	$56,161	9	0	9
Design/Construction Project Manager, Senior	1 17	$64,260	$104,872	1	0	1
Engineering Technician I	1 10	$37,337	$60,884	2	0	2
Engineering Technician II	1 11	$40,805	$66,586	2	0	2
Enterprise Controller	1 16	$60,149	$98,068	0	1	1
Environmental Engineer	1 14	$52,020	$86,041	1	0	1
Environmental Specialist II	1 12	$44,339	$72,308	1	0	1
Equipment Operator II	1 07	$29,391	$47,962	13	0	13
Equipment Operator III	1 08	$31,804	$51,864	16	0	16
Equipment Operator IV	1 09	$34,445	$56,161	1	0	1

FULL TIME EQUIVALENT (FTE) SUMMARY

	Pay Grade	Minimum	Maximum	FY 2019 Adopted	FTE Change	FY 2020 Adopted
Geographic Information Systems Technician II	1 11	$40,805	$66,586	1	0	1
Lead Mason	1 07	$29,391	$47,962	1	-1	0
Maintenance Mechanic II	1 08	$31,804	$51,864	1	1	2
Maintenance Worker I	1 04	$23,333	$38,047	11	0	11
Maintenance Worker II	1 06	$27,438	$44,737	3	1	4
Manager of Budget & Accounting	1 18	$68,697	$112,020	1	0	1
Program Administrator	1 13	$47,823	$77,978	1	0	1
Program Supervisor	1 13	$47,823	$77,978	1	0	1
Programs Manager	1 15	$56,314	$92,075	1	0	1
Public Relations Specialist	1 12	$44,339	$72,308	1	0	1
Storekeeper II	1 06	$27,438	$44,737	1	0	1
Storm Water Engineer	1 19	$72,930	$118,606	1	0	1
Storm Water Operations Manager	1 15	$56,314	$92,075	2	0	2
Utility Maintenance Mechanic I	1 07	$29,391	$47,962	1	0	1
Utility Maintenance Mechanic II	1 09	$34,445	$56,161	2	1	3
Utility Maintenance Supervisor	1 11	$40,805	$66,586	4	0	4
Utility Maintenance Supervisor, Senior	1 13	$47,823	$77,978	2	0	2
Total				99	4	103

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

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

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

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

The storm water capital improvement fund is further divided into seven major categories:

- Neighborhood Flood Reduction
- Water Quality Improvement
- Storm Water Facilities Improvements
- Storm Water Waterfront Facilities
- Address Street Flooding Citywide
- Address Flooding in Spartan Village
- Create Citywide Flooding Reserve

The total annual investment in storm water capital improvements for FY19 was $9,915,200. However, due to project timing the annual expenditures can sometimes be substantially higher and/or lower than the appropriated amounts.

Neighborhood Flood Reduction

Neighborhood Flood Reduction projects are major repairs and upgrades to the storm water infrastructure that result in the extension of the storm water collection and conveyance systems or substantially extend the life of the existing systems. Projects under taken include sliplining, master plan studies, system replacements and upgrades. Sliplining means to slip a plastic liner in existing pipe that is no longer serviceable. The new liner extends the service life of the pipe without having to dig up and replace the existing pipe. Capacity is not diminished due to the liner smoothness. Master plan studies allow the City to determine the condition and capacity of the existing pipe systems and plan upgrades. Studies of the existing inventory allow for planning and may be used by developers to determine the necessary upgrades for planned redevelopment. Replacement and extensions of storm water infrastructure allows for upgrades of non-serviceable sections of the collection and conveyance system where required to reduce flooding.

Water Quality Improvements

Water Quality Improvement projects improve the quality of storm water runoff. Projects in this category include construction of best management practices (BMPs), wetlands restoration, shorelines, and similar projects. BMP projects include construction of detention and retention ponds, as well as major BMP maintenance, such as dredging and installation of aeration systems. Wetlands restoration and shoreline projects have the potential to significantly improve storm water runoff and are being reviewed and planned throughout the

City. Water quality efforts are currently focused on retrofitting existing BMP's to achieve improved pollution reduction.

Storm Water Facilities Improvements

Storm Water Facilities include improvements to flood control and underpass pumping stations throughout the City. Substantial investments have been made due to years of deferred maintenance. In FY19, funds were primarily allocated for the rehabilitation of Pump Station #5 (Brambleton Avenue), Pump Station #9 (Virginia Beach Boulevard), and Pump Station #12 (Hampton Boulevard at Greenbrier).

Storm Water Waterfront Facilities

Storm Water Waterfront facilities provide funding for projects to improve shoreline bulkheads, floodwalls, floodgates, outfalls and other similar facilities for the City. These projects reduce erosion that is caused by non-serviceable infrastructure and protect public and private property against coastal flooding.

Address Street Flooding Citywide

The Address Street Flooding Citywide improvements are generally flood reduction projects that will upgrade or expand the storm water system to address certain neighborhood flooding, though they may also include water quality projects on a more regional basis.

Address Flooding in Spartan Village

Address Flooding in Spartan Village involves the acquisition of flood prone properties in Spartan Village.

Create Citywide Flooding Reserve

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

Funding of the CIP is by fiscal year. Storm Water CIP funding is expected to continue for the foreseeable future. Projects utilizing and/or having funds allocated in FY19 are listed in the following Table.

PROJECTS	PROJECT COSTS	BUDGET AMOUNT
Neighborhood Flood Reduction		**$2,850,000**
W.23rd Street and Colonial Avenue Improvements (Extending to Gosnold Ave. & W. 25th Street)	$800,000	
Newport Avenue Drainage Improvements	$400,000	
Parker Avenue Drainage Improvements	$400,000	
Lowery Road Drainage Improvements	$900,000	
Neighborhood Flood Mitigation Program	$350,000	
	$2,850,000	
Storm Water Quality Improvement		**$2,350,000**
Lindenwood/Barraud Park Living Shoreline	$1,200,000	
Lake Whitehurst Feasibility Study	$75,000	
The Hague BMP	$775,000	
Central Business Park Pond Retrofit	$150,000	
Roberts Road Pond Retrofit	$150,000	
	$2,350,000	
Storm Water Facility Improvement		**$600,000**
Pump Station/Flood Control Systems Program	$600,000	
	$600,000	
Storm Water Waterfront Structures		**$500,000**
Norfolk Avenue & 13th View Street Outfalls	$500,000	
	$500,000	
Address Street Flooding Citywide		**$1,300,000**
East Ocean View Drainage Improvements	$400,000	
Glenrock Drainage Improvements	$300,000	
Janaf Place Drainage Improvements	$300,000	
Standing Water and Minor Flooding Reduction	$300,000	
	$1,300,000	
Address Flooding in Spartan Village		**$1,000,000**
Spartan Village Acquisition	$1,000,000	
	$1,000,000	

Create Citywide Flooding Reserve		**$1,315,200**
Flooding Reserve	***$1,315,200***	
TOTAL		**$9,915,200**

Street Sweeping Signage

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

Appendix 2

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	$557,279.00
Ballentine School Retention Pond	Complete	BMP Retrofit- Upgrade	179.83	120.79	59.04	stable tidal creek	210.38	66.01	11968.36	High	$1,003,441.00
Beach Avenue Living Shoreline	Complete	Living Shoreline Construction	0.81	NA	NA	open tidal waters	90.88	16.19	62509.18	High	$779,598.00
Dune Street Constructed Stormwater Wetland	Complete	BMP Construction	12.45	4.69	7.76	limited erosion	23.4	6.4	5628	High	$303,711.00
Hermitage East/North Shore Road Living Shoreline	Complete	Living Shoreline Construction	1.04	NA	NA	open tidal waters	153.17	46.57	206077.81	High	$982,586.40
Hermitage Oyster Reef	Complete	Oyster Reef Construction	1.44	NA	NA	open tidal waters	TBD	TBD	TBD	High	$458,589.00
Hermitage West Living Shoreline	Complete	Living Shoreline Construction	1.11	NA	NA	open tidal waters	115.04	15.47	52910.12	High	$731,453.00
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	$340,574.00
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	$538,104.00
Knitting Mill Creek Living Shoreline	Complete	Living Shoreline Construction	0.35	NA	NA	open tidal waters	188.88	33.85	131019.05	High	$851,119.00
Lake Modoc Retention Pond	Complete	BMP Retrofit- Upgrade	81.31	43.48	37.83	open tidal waters	115.31	33.39	3062.3	High	$631,180.00
Parkdale Avenue Stream Restoration	Complete	Stream Restoration	52.2	25.06	27.14	stable tidal creek	37.1	33.6	7,488	High	$422,977.00
Templar Boulevard Stream Restoration	Complete	Stream Restoration	123.44	61.8	61.64	limited erosion	41.2	19	36200	High	$188,209.00
Lindenwood Living Shoreline	Design Complete	Living Shoreline Construction	1.68	NA	NA	open tidal waters	188.88	33.85	131019.05	High	$2,542,604.00
Central Business Park Retention Pond	Under Construction	BMP Retrofit- Upgrade	19.6	13.3	6.3	stable tidal creek	38.84	9.83	1201.1	High	$494,732.00
Lake Taylor Retention Pond	Under Construction	BMP Retrofit- Upgrade	1436.1	615.8	820.3	stable tidal creek	1719.14	477.5	63464.85	High	$2,103,200.00
Roberts Road Retention Pond	Under Construction	BMP Retrofit- Upgrade	57.6	29.5	28.1	limited erosion	62.81	21.22	1576.9	High	$485,408.00
Villa Circle Living Shoreline	Under Construction	Living Shoreline Construction	1.55	NA	NA	open tidal waters	170.35	28.47	107387.5	High	$1,138,652.33
Hague Constructed Stormwater Wetland	Under Design	BMP Construction	14.85	9.85	5	open tidal waters	92.84	17.7	4303.96	High	$632,460.00
Norfolk International Terminals Living Shoreline	Under Design	Living Shoreline Construction	0.33	NA	NA	open tidal waters	188.37	113.58	547362.97	Low	$2,131,424.00

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.

K:\0600 - Comb Ops\Other\StormWater\Environmental\MS4 Program Plan\MS4ProgramPlan_2017\ReferenceDocuments\Section2.2_5yearSW_WQ_CIP.xlsx

Appendix 3

THE CITY OF
NORFOLK
PUBLIC WORKS

July 5, 2018

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

Re: VPDES Permit No. VA0088650
Reference ID# 140773

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of process wash water on July 5, 2018, at approximately 8am. The description of the incident is as follows:

During an industrial site inspection, process wash water was found continuously discharging into the City's storm water system. The property owner was issued an NOV and given 3 days to cease the discharge from the property and pump out all wash water from the ditch draining into the City's system, or a summons will be issued and the facility will be shut down. DEQ and Norfolk Fire Marshal's Office representatives were also on scene and several deficiencies were noted.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on July 5, 2018, at approximately 2:15pm.

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

Respectfully,

Casey Magruder

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**140773**
REPORT DATE:	**7/5/2018 2:26 pm**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Process wash water**
LOCATION:	**ILLICIT DISCHARGE** **3306 Peterson Street**
RESPONSIBLE PARTY: **ADDRESS& PHONE:**	**EHS Abrasives – Jim Miller** **3306 Petterson Street, Norfolk, VA 23509** **757-927-6699**
DATE OF DISCHARGE:	**7/5/2018 8:00 AM**
DATE/TIME REPORTED:	**7/5/2018 2:15 PM**
REPORTED TO DEQ/DCR BY:	**C. Magruder**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**During an industrial site inspection, process wash water was found continuously discharging into the City's storm water system.**
CORRECTIVE ACTION:	**Owner was issued an NOV and given 3 days to cease the discharge from the property and pump out all wash water from the ditch draining into the City's system, or a summons will be issued and the facility will be shut down. DEQ and Norfolk Fire Marshal Office representatives were also on scene and several deficiencies were noted.**
IMPACT TO STATE WATERS:	**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

7/5/18 — Date

THE CITY OF
NORFOLK
PUBLIC WORKS

July 27, 2018

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

Re: VPDES Permit No. VA0088650
Reference ID# 143733

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of oil on July 27, 2018, at approximately 12:30pm. The description of the incident is as follows:

During a routine inspection of the "Parkdale Channel Restoration" project, a heavy oil sheen was observed. After further investigation, the source was unable to be found, and appear to have stopped. Absorbent booms were put in place to capture any remaining product. An unknown amount of oil was discharged to Wayne Creek/Lafayette River.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on July 27, 2018, at approximately 3:00pm.

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

Respectfully,

Casey Magruder

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**143733**
REPORT DATE:	**7/27/2018 3:00 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Oil**
LOCATION:	**Oil - Parkdale Channel** **7419 PARKDALE DRIVE**
RESPONSIBLE PARTY:	**Unknown**
ADDRESS& PHONE:	**Unknown**
DATE OF DISCHARGE:	**7/27/2018 12:30 PM**
DATE/TIME REPORTED:	**7/27/2018 3:00 PM**
REPORTED TO DEQ/DCR BY:	**C. Magruder**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Unknown quantity of oil was found during a routine inspection of "Parkdale Channel Improvements" project; unable to find source**
CORRECTIVE ACTION:	**Booms put in place to capture any remaining product**
IMPACT TO STATE WATERS:	**Wayne 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.

Casey Magruder — Signature

7/27/18 — Date

THE CITY OF
NORFOLK
PUBLIC WORKS

July 31, 2018

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

Re: VPDES Permit No. VA0088650
Reference ID# 144553

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of concrete wash out water on July 31, 2018, at approximately 11:00am. The description of the incident is as follows:

A contractor working on a home remodel poured a new driveway and discharged the concrete washout water into the curb, where it entered the storm drain. Staff contacted the contractor doing the remodel work at 2532 E. Virginia Beach Blvd. and met with him onsite to discuss the code violation and issue an NOV.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on July 31, 2018, at approximately 2:00pm.

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

Respectfully,

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	144553
REPORT DATE:	7/31/2018
ESTIMATED QUANTITY:	~5 gallons
TYPE OF DISCHARGE:	Concrete wash out water
LOCATION:	ILLICIT DISCHARGE - Concrete wash out 2532 E VIRGINIA BEACH BOULEVARD
RESPONSIBLE PARTY: ADDRESS& PHONE:	Eric Menden - MGE Development 2532 E. Virginia Beach Blvd. 675-3937
DATE OF DISCHARGE:	7/31/2018 11:00 AM
DATE/TIME REPORTED:	7/27/2018 2:00 PM
REPORTED TO DEQ/DCR BY:	C. Magruder
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Contractor working on a home remodel poured a new driveway and discharged the concrete washout water into the curb, where it entered the storm drain
CORRECTIVE ACTION:	Unable to recover any of the material due to heavy rain; contacted contractor and met with him onsite to discuss code violation and issue an NOV; if it happens again, will issue a summons
IMPACT TO STATE WATERS:	Eastern Branch 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

7/31/18
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

August 2, 2018

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

Re: VPDES Permit No. VA0088650
IR 144674

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of discolored water discovered on July 31, 2018, at approximately 12:40 pm ((36.910592737383, -76.26728427209). The description of the incident is as follows:

During a follow up inspection of the Parkdale Channel a plume of cloudy white water was observed discharging from a flared-end reinforced concrete pipe (RCP) outfall that drains the Archer's Green Apartments parking lot between E. Kenmore Dr., W. Kenmore Dr., Suburban Pkwy, and Virginian Dr. The contaminant wasn't certain, but the contaminated water had a slightly acidic pH (6) and a low concentration of detergents (<1.0 ppm). The contaminated water was contained within their stormwater best management practice (BMP), an underground infiltration system, but a small amount of the contaminated water was actively discharging through an orifice in a weir which is part of the stormwater BMP.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on July 31, 2018, at approximately 4:00 pm.

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

Respectfully,

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	144674
REPORT DATE:	8/2/2018 8:55:53 AM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Discolored water
LOCATION:	ILLICIT DISCHARGE - Archer's Green Apts 7401 EAST KENMORE DRIVE 36.910592737383, -76.26728427209
RESPONSIBLE PARTY: ADDRESS& PHONE:	Archer's Green Apartments, c/o Jeff Alperin 261 Suburban Parkway, Norfolk, VA 23505 757-480-0839
DATE OF DISCHARGE:	7/31/2018 12:40:00 PM
DATE/TIME REPORTED:	7/31/2018 4:00:00 PM
REPORTED TO DEQ/DCR BY:	Kyle Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	During a follow up inspection of the Parkdale Channel a plume of cloudy white water was observed discharging from a flared-end reinforced concrete pipe (RCP) outfall that drains the Archer's Green Apartments parking lot between E. Kenmore Dr., W. Kenmore Dr., Suburban Pkwy, and Virginian Dr. The contaminant wasn't certain but the contaminated water had a slightly acidic pH (6) and a low concentration of detergents (<1.0 ppm). The contaminated water was contained within their stormwater best management practice, an underground infiltration system, but a small amount of the contaminated water was actively discharging through an orifice in a weir which is part of the stormwater BMP.
CORRECTIVE ACTION:	The owner, Archer's Green Apartments, hired a contractor, HEPACO, who recovered 1982 gallons of contaminated water that evening. A follow up inspection was performed the next day (8/1/2018) to verify the illicit discharge had been mitigated.
IMPACT TO STATE WATERS:	unknown

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

Kyle B Quick
Signature

8/2/2018
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

August 6, 2018

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

Re: VPDES Permit No. VA0088650
IR 144933

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sanitary watewater discovered on August 1, 2018, at approximately 2:25 pm (36.852427447728, -76.20295839444). The description of the incident is as follows:

UniverSoul Circus was setup in the parking lot at the Military Circle Mall at 880 North Military Highway in Norfolk, Virginia. Multiple recreation vehicles were being used for living quarters by the circus staff. Several wastewater discharge lines were discovered to be discharging into the parking lot and a couple directly into a stormdrain.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on August 1, 2018, at approximately 4:13 pm.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**144933**
REPORT DATE:	**8/6/2018 3:10:13 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sanitary wastewater**
LOCATION:	**ILLICIT DISCHARGE - UniverSoul Circus 880 N MILITARY HIGHWAY 36.852427447728, -76.20295839444**
RESPONSIBLE PARTY:	**UniverSoul Circus, c/o Carlos Salmeron**
ADDRESS& PHONE:	**230 Peachtree St. NE, Ste. 2000, Atlanta, GA 30303 713-391-9485**
DATE OF DISCHARGE:	**8/1/2018 2:25:00 PM**
DATE/TIME REPORTED:	**8/1/2018 4:13:00 PM**
REPORTED TO DEQ BY:	**Kyle Quick**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**UniverSoul Circus was setup in the parking lot at the Military Circle Mall at 880 North Military Highway in Norfolk, Virginia. Multiple recreation vehicles were being used for living quarters by the circus staff. Several wastewater discharge lines were discovered to be discharging into the parking lot and a couple directly into a stormdrain.**
CORRECTIVE ACTION:	**The discharge lines were immediately removed from the ground and stormdrain upon entering the site for an inspection. A Uniform Notice of Violation was issued to the circus's operations manager for pollution of the stormwater system. The circus was setup at this location until Sunday, August 5, 2018. Routine inspections were performed through Monday, August 6, 2018, to verify no additional illicit discharges occurred.**
IMPACT TO STATE WATERS:	**unknown**

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

Kyle B Quick
Signature

8/6/2018
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

August 23, 2018

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

Re: VPDES Permit No. VA0088650
IR 147133

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage discovered on August 16, 2018, at approximately 1:09 pm (36.933070419393, -76.26192989834). The description of the incident is as follows:

While collecting samples to help investigate an illicit discharge (IR#13990) Hampton Roads Sanitation District (HRSD) personnel collected a sample from a stormwater catch basin that contained elevated concentrations of indicators of human waste, indicating an illicit discharge of sewage into the stormwater system. The sample was collected from a stormwater catch basin just west of 143 East Bayview Boulevard in Norfolk, Virginia, and the basin is not tied into the stormwater system investigated as part of IR#13990.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on August 17, 2018, at approximately 3:48 pm.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

We are not sure if it was a one time release, or if it is a constant discharge. We did not see any reports of sanitary sewer overflows in the area during the month of August. We intend to video the remaining sections of the stormwater system to verify there is not an illicit connection, and continue to monitor the outfall for future illicit discharges.

IMPACT TO STATE WATERS: **unknown**

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

Kyle B Quiel
Signature

8/23/2018
Date

VPDES PERMIT NO. VA0088650

INCIDENT NO:	147133
REPORT DATE:	8/23/2018 2:15:42 PM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE - Sewage 143 E Bayview Blvd 143 E BAYVIEW BOULEVARD 36.933070419393, -76.26192989834
RESPONSIBLE PARTY:	unknown
ADDRESS& PHONE:	unknown
DATE OF DISCHARGE:	8/16/2018 1:09:00 PM
DATE/TIME REPORTED:	8/17/2018 3:48:00 PM
REPORTED TO DEQ BY:	June Whitehurst
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	While collecting samples to help investigate an illicit discharge (IR#13990) HRSD personnel collected a sample from a stormwater catch basin that contained elevated concentrations of indicators of human waste, indicating an illicit discharge of sewage into the stormwater system. The sample was collected from a stormwater catch basin just west of 143 East Bayview Boulevard in Norfolk, Virginia, and the basin is not tied into the stormwater system investigated as part of IR#13990.
CORRECTIVE ACTION:	On August 17, 2018, we visited the outfall and visually confirmed that sewage appeared to be in the outfall of the stormwater system. We went to the upgradient portions of the system (where is crosses East Evans Street, Haven Drive, and East Bayview Boulevard) in effort to discover the source. We videoed the stormwater pipe between East Evans Street and Haven Drive, but did not find the source of the illicit discharge. We revisited the site on August 23, 2018. It was not visited between August 17-23 due to all the rain and the assumption that the runoff would dilute the illicit discharge and make it difficult to trace. However, there was no evidence of sewage at the outfall on August 23, 2018, per a visual inspection and a detergents test.

THE CITY OF NORFOLK
PUBLIC WORKS

8/31/2018

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

RE: VPDES Permit No. VA0088650
IR 148294

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Sewage on 8/28/2018 2:45:00 PM. The description of the incident is as follows:

Staff received a complaint of sewage backing up into the street at Mariner's Watch Apartments from a clogged cleanouts. Upon arriving at the apartments, staff noticed that there was sewage overflowing from multiple cleanouts and had made its way into the storm drain system. Staff immediately blocked the closet storm drain (located at the corner of Farrell Street and Pinedale Street). Upon inspection it was observed that grey water was in the storm structure at the corner of Farrell Street and Pinedale Street. The three stormwater structures that were on the opposite corners were inspected and no gray water was observed in these structures. Maintenance staff from Mariners Watch (Roderick Willis-Maintenance Supervisor) was notified and immediately contacted their plumbing company. Staff received a phone call at 5:13pm from the Mr. Willis stating that the sewage had been cleaned up, but that the stormwater structure had not been cleaned. Mr. Willis said that he would contact a cleaning company to clean the structure. Staff will revisit the site on 08/29/2018 to inspect. Staff visited site on 08/30/2018 and road had been cleaned, but stormdrains had not. Company hired to clean stormdrains on 08/30/2018. Staff re-inspected storm drains on 08/30/2018 and they were clean.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/29/2018 9:00:00 AM.

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

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Specialist II
Enclosures

cc: File

DESCRIPTION OF DISCHARGE:	At 2:45 pm staff received a complaint of sewage backing up into the street at Mariner's Watch Apartments from a clogged cleanouts. Upon arriving at the apartments, staff noticed that there was sewage overflowing from multiple cleanouts and had made its way into the storm drain system. Staff immediately blocked the closet storm drain (located at the corner of Farrell Street and Pinedale Street). Upon inspection it was observed that grey water was in the storm structure at the corner of Farrell Street and Pinedale Street. The three stormwater structures that were on the opposite corners were inspected and no gray water was observed in these structures. Maintenance staff from Mariners Watch (Roderick Willis-Maintenance Supervisor) was notified and immediately contacted their plumbing company. Staff received a phone call at 5:13pm from the Mr. Willis stating that the sewage had been cleaned up, but that the stormwater structure had not been cleaned. Mr. Willis said that he would contact a cleaning company to clean the structure. Staff will revisit the site on 08/29/2018 to inspect. Staff visited site on 08/30/2018 and road had been cleaned, but stormdrains had not. Company hired to clean stormdrains on 08/30/2018. Staff re-inspected storm drains on 08/30/2018 and they were clean.
CORRECTIVE ACTION:	City staff blocked off stormdrains. Apartment staff cleaned sewage from gutterpans and hired a plumbing company to clean the stormdrain structure. Site was re-inspected on 08/30/2018 and found no sewage.
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.

Alexi Vaulear — Signature

8/31/18 — Date

VPDES PERMIT NO. VA0088650

INCIDENT NO:	148294
REPORT DATE:	8/31/2018 10:19:29 AM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE-Mariners Watch Apartments 463 MARINERS WAY
RESPONSIBLE PARTY: ADDRESS& PHONE:	Mariners Watch Apartments 463 Mariners Way Norfolk, VA 23503
DATE OF DISCHARGE:	8/28/2018 2:45:00 PM
DATE/TIME REPORTED:	8/29/2018 9:00:00 AM
REPORTED TO DEQ/DCR BY:	P. Mack, C.VanLear
REPORTED TO:	DEQ Reporting System

THE CITY OF NORFOLK
PUBLIC WORKS

09/04/2018

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

RE: VPDES Permit No. VA0088650
IR 148513

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an Illicit Discharge of Sewage on 8/30/2018 2:15 pm. The description of the incident is as follows:

City stormwater crews were working near 1414 Magnolia Ave and hit a 4" PVC pipe while in the process of installing a drop inlet. Sewage overflowed into the Lafayette River. Pipe appears to have been capped. Re-visited site on 08/31/2018 and noticed "bubbling" from water. Contacted Utilities and staff was responding to repair that day. Site visit on 09/04/2018 showed that site was vactored out and pipe was capped per Donnell. No sewage entering waterway.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 8/30/2018 3:00 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**148513**
REPORT DATE:	**9/4/2018 2:16:02 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**ILLICIT DISCHARGE-1414 Magnolia Ave 1414 MAGNOLIA AVENUE**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk-Public Works 2233 McKann Ave Norfolk, VA 23509**
DATE OF DISCHARGE:	**8/30/2018 2:15 pm**
DATE/TIME REPORTED:	**8/30/2018 3:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep line**
DESCRIPTION OF DISCHARGE:	**City stormwater crews were working near 1414 Magnolia Ave and hit a 4" PVC pipe while in the process of installing a drop inlet. Sewage overflowed into the Lafayette River. Pipe appears to have been capped. Re-visited site on 08/31/2018 and noticed "bubbling" from water. Contacted Utilities and staff was responding to repair that day. Site visit on 09/04/2018 showed that site was vactored out and pipe was capped per Donnell. No sewage entering waterway.**
CORRECTIVE ACTION:	**Sewage pipe was capped and sewage vactored out of hole.**
IMPACT TO STATE WATERS:	**Sewage**

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 09/04/18

Signature Date

THE CITY OF
NORFOLK
PUBLIC WORKS

September 6, 2018

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

Re: VPDES Permit No. VA0088650
IR 151653

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage discovered on September 4, 2018, at approximately 9:30 am (36.956232589858, -76.25353821953). The description of the incident is as follows:

On Friday afternoon, August 31, 2018, the City of Norfolk Call Center received a complaint about a continuous discharge from a stormwater outfall located behind the laundromat at 200 W. Ocean View Ave. We began investigating the discharge on Tuesday morning, September 4, 2018. The discharge was suspected to be sewage based on its odor and a detergents test. The sanitary sewer system at 196 W. Ocean View Ave. was backed up (i.e., surcharged) and we believe that a weakness in sanitary sewer system allowed the surcharged sewage to exfiltrate out of the sanitary system and drain into the stormwater system.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on September 4, 2018, at approximately 12:45 pm.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	151653
REPORT DATE:	9/6/2018 11:37:20 AM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE - Greenies Sewage 196 W OCEAN VIEW AVENUE 36.956232589858, -76.25353821953
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk Department of Utilities 1316 Ballentine Boulevard, Norfolk, VA 23504 757-823-1000
DATE OF DISCHARGE:	9/4/2018 9:30:00 AM
DATE/TIME REPORTED:	9/4/2018 12:45:00 PM
REPORTED TO DEQ:	Kyle Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	On Friday afternoon, August 31, 2018, the City of Norfolk Call Center received a complaint about a continuous discharge from a stormwater outfall located behind the laundromat at 200 W. Ocean View Ave. We began investigating the discharge on Tuesday morning, September 4, 2018. The discharge was suspected to be sewage based on its odor and a detergents test. The sanitary sewer system at 196 W. Ocean View Ave. was backed up (i.e., surcharged) and we believe that a weakness in sanitary sewer system allowed the surcharged sewage to exfiltrate out of the sanitary system and drain into the stormwater system.
CORRECTIVE ACTION:	The Norfolk Utilities Department cleared the blockage in the sanitary system on Tuesday afternoon. We revisited the site on Wednesday, September 5, 2018, and the illicit discharge had ceased. We will continue to monitor the stormwater system and outfall for a renewed illicit discharge and work to identify and repair damages to the sanitary and stormwater systems.
IMPACT TO STATE WATERS:	Chesapeake Bay

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

Kyle B Quick
Signature

9/6/2018
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

September 14, 2018

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

Re: VPDES Permit No. VA0088650
IR 152853

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage discovered on September 12, 2018, at approximately 10:00 am (36.848083690448, -76.29294833126). The description of the incident is as follows:

An overflow from the City of Norfolk sanitary sewer system was discovered on Wednesday morning, September 12, 2018. The overflow occurred in the southeast corner of the intersection of City Hall Avenue and Boush Street, and the overflowing liquid drained into the City of Norfolk stormwater system. Specifically, the overflowing liquid drained into a catch basin along City Hall Avenue, which drains to the City's Stormwater Pump Station #1. The City of Norfolk Department of Utilities was notified of the overflow. The overflow was the result of a blockage in the sanitary sewer system and the City of Norfolk Department of Utilities responded by clearing the blockage in the sanitary sewer system that morning.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on September 14, 2018, at approximately 8:40 am.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	152853
REPORT DATE:	9/14/2018 8:44:03 AM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE - SSO 150 Boush St. 150 BOUSH STREET 36.848083690448, -76.29294833126
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk Department of Utilities 1316 Ballentine Boulevard, Norfolk, VA 23504 757-823-1000
DATE OF DISCHARGE:	9/12/2018 10:00:00 AM
DATE/TIME REPORTED:	9/14/2018 8:40:00 AM
REPORTED TO DEQ/DCR BY:	Kyle Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	An overflow from the City of Norfolk sanitary sewer system was discovered on Wednesday morning, September 12, 2018. The overflow occurred in the southeast corner of the intersection of City Hall Avenue and Boush Street, and the overflowing liquid drained into the City of Norfolk stormwater system. Specifically, the overflowing liquid drained into a catch basin along City Hall Avenue, which drains to the City's Stormwater Pump Station #1.
CORRECTIVE ACTION:	The City of Norfolk Department of Utilities was notified of the overflow. The overflow was the result of a blockage in the sanitary sewer system and the City of Norfolk Department of Utilities responded by clearing the blockage in the sanitary sewer system that morning.
IMPACT TO STATE WATERS:	unknown

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

Kyle B Quick
Signature

9/14/2018
Date

THE CITY OF NORFOLK
PUBLIC WORKS

9/14/2018

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

RE: VPDES Permit No. VA0088650
IR 152854

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Sewage on 9/12/2018 2:45:00 PM. The description of the incident is as follows:

Staff noticed a sanitary sewer overflow at the intersection Mason Creek Road and Portview Ave (closet address is 9644 Mason Creek Road). Staff notified Utilities Department of overflow and followed up with pictures. Staff received communication from Utilities that overflow has been addressed.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 9/14/2018 8:35:00 AM.

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

Sincerely,

Christina VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**152854**
REPORT DATE:	**9/14/2018 8:45:14 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**ILLICIT DISCHARGE- Sewage @ Mason Creek Road 9644 MASON CREEK ROAD**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Utilities-David Speer 1316 Ballentine Blvd Norfolk, VA 23504 7578231023**
DATE OF DISCHARGE:	**9/12/2018 2:45:00 PM**
DATE/TIME REPORTED:	**9/14/2018 8:35:00 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**DEQ TRO Prep Line**
DESCRIPTION OF DISCHARGE:	**Staff noticed a sanitary sewer overflow at the intersection Mason Creek Road and Portview Ave (closet address is 9644 Mason Creek Road). Staff notified Utilities Department of overflow and followed up with pictures. Staff received communication from Utilities that overflow has been addressed.**
CORRECTIVE ACTION:	**Staff received communication from Utilities that overflow has been addressed.**
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 09/14/18 Date

THE CITY OF
NORFOLK
PUBLIC WORKS

September 26, 2018

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

Re: VPDES Permit No. VA0088650
Reference ID# 154213

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 September 23, 2018, at approximately 4:30pm. The description of the incident is as follows:

A person working on a dump truck leaked diesel fuel into the storm drain. Approximately 10 gallons was spilled, and a heavy rain event cause the release of most of the fuel. Responsible party was notified with help from the Fire Marshal's office, and PetroChem was contracted to clean up the remaining product.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on September 25, 2018, at approximately 2:35pm.

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

Respectfully,

Casey Magruder

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	154213
REPORT DATE:	9/26/2018 8:20 am
ESTIMATED QUANTITY:	~10 gallons
TYPE OF DISCHARGE:	Diesel
LOCATION:	ILLICIT DISCHARGE 2623 Florida Ave.
RESPONSIBLE PARTY: ADDRESS& PHONE:	Mr. Stewart (private hauling company) Suffolk, VA 757-324-9166
DATE OF DISCHARGE:	9/23/2018 4:30 pm
DATE/TIME REPORTED:	9/25/2018 2:35 PM
REPORTED TO DEQ/DCR BY:	C. Magruder
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Person dumping diesel down storm drain at construction business at 2623 Florida Ave. while working on a dump truck. Approximately 10 gallons was released into the storm drain.
CORRECTIVE ACTION:	Investigated and found diesel in storm drain system for several blocks. Heavy rainfall event caused most of the product to be released. Responsible party was identified and filed a claim with his insurance company for cleanup. PetroChem responded and booms and absorbents used to collect remaining product. Fire Marshal assisted on-scene, as well as Code Compliance staff due to several property violations. Fire Marshal still investigating and working to meet with responsible party for further enforcement action, who would not come to the scene, and also recovering nearby video evidence of spill.
IMPACT TO STATE WATERS:	Lafayette River

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

Casey Magruder
Signature

9/26/18
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

October 11, 2018

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

Re: VPDES Permit No. VA0088650
Reference ID# 155495

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of power steering fluid on October 11, 2018, at approximately 7:30am. The description of the incident is as follows:

An unknown amount of power steering fluid leaked from a City dump truck onto the pavement in the City of Norfolk Public Works Operations yard. During an early morning rain event, and unknown amount of product reached the storm drain. City crews immediately blocked the storm drain and recovered remaining product with absorbents.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on October 11, 2018, at approximately 8:00am.

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

Respectfully,

Casey Magruder

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	155495
REPORT DATE:	10/11/2018 at 8:25 AM
ESTIMATED QUANTITY:	Unknown (estimate 1 gallon)
TYPE OF DISCHARGE:	Power Steering Fluid
LOCATION:	ILLICIT DISCHARGE - Power Steering Fluid 2233 MCKANN AVENUE
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk - Public Works Operations 2233 McKann Ave.
DATE OF DISCHARGE:	10/11/2018 at 7:30 AM
DATE/TIME REPORTED:	10/11/2018 at 8:00 AM
REPORTED TO DEQ/DCR BY:	C. Magruder
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Unknown amount of power steering fluid leaked from a City dump truck onto the pavement in the City of Norfolk Public Works Operations yard. During an early morning rain event, an unknown amount of product reached the storm drain.
CORRECTIVE ACTION:	City crews immediately blocked the storm drain and recovered remaining product with absorbents. The importance of Pre/Post trip inspections on vehicles was addressed.
IMPACT TO STATE WATERS:	Lafayette River

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

Casey Magruder
Signature

10/11/18
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

October 12, 2018

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

Re: VPDES Permit No. VA0088650
IR 155414

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of milk on October 9, 2018, at approximately 5:35 pm (36.837890308089, -76.28915380703). The description of the incident is as follows:

On Tuesday, 10/9/2018, a 5-gallon container of milk was punctured by the forks on a forklift while a pallet of milk was being unloaded from a truck at the Metro Machine facility located at 200 Ligon Street, Norfolk, Virginia. Reportedly the spilled milk was washed down a stormdrain adjacent to the location where the truck was being unloaded.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on October 12, 2018, at approximately 12:15 pm.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	155414
REPORT DATE:	10/12/2018 8:24:08 AM
ESTIMATED QUANTITY:	5 gals
TYPE OF DISCHARGE:	Milk
LOCATION:	ILLICIT DISCHARGE - Milk 200 Ligon St. 200 LIGON STREET 36.837890308089, -76.28915380703
RESPONSIBLE PARTY: ADDRESS& PHONE:	Metro Machine, c/o Mr. Stephen Davenport 200 Ligon Street, Norfolk, VA 23523 757-793-1153
DATE OF DISCHARGE:	10/9/2018 5:35:00 PM
DATE/TIME REPORTED:	10/10/2018 12:15:00 PM
REPORTED TO DEQ/DCR BY:	Kyle Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	On Tuesday, 10/9/2018, a 5-gallon container of milk was punctured by the forks on a forklift while a pallet of milk was being unloaded from a truck at the Metro Machine facility located at 200 Ligon Street, Norfolk, Virginia. Reportedly the spilled milk was washed down a stormdrain adjacent to the location where the truck was being unloaded.
CORRECTIVE ACTION:	No evidence of the release was observed at the stormdrain or where the stormwater system outfalls into the Elizabeth River during an inspection performed the next day, 10/10/2018. We notified the responsible party that it is not acceptable to clean up a spill, even milk, by washing it down a stormdrain. Mr. Davenport with Metro Machine stated it was US Navy personnel that were obtaining the milk and other food deliveries, and he will inform them that they are not allowed to clean up spilled material by washing it down a storm drain.
IMPACT TO STATE WATERS:	unknown

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

Kyle B Quick
Signature

10/12/2018
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

October 12, 2018

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

Re: VPDES Permit No. VA0088650
IR 155455

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of oil discovered on October 10, 2018, at approximately 12:11 pm (36.854564091142, -76.29069003176). The description of the incident is as follows:

The Norfolk Cares Call Center received a complaint about oil within the street at the 700 block of Boush Street in Norfolk Virginia today (10/10/2018) at 12:11 pm.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on October 12, 2018, at approximately 2:40 pm.

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

Respectfully,

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

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www.norfolk.gov

VPDES PERMIT NO. VA0088650

INCIDENT NO:	155455
REPORT DATE:	10/12/2018 9:15:08 AM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Oil
LOCATION:	ILLICIT DISCHARGE - Oil 700 Boush St. 700 BOUSH STREET 36.854564091142, -76.29069003176
RESPONSIBLE PARTY:	unknown
ADDRESS& PHONE:	unknown
DATE OF DISCHARGE:	10/10/2018 12:11:00 PM
DATE/TIME REPORTED:	10/10/2018 2:40:00 PM
REPORTED TO DEQ BY:	Kyle Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	The Norfolk Cares Call Center received a complaint about oil within the street at the 700 block of Boush Street in Norfolk Virginia today (10/10/2018) at 12:11 pm.
CORRECTIVE ACTION:	Upon inspection of the incident we discovered several puddles of what seems to be a viscous oil along the western curb of the 700 block of Boush Street. There was also a sheen of oil on the water within the stormwater catch basin located at the northwest corner of the intersection of Boush Street and Brambleton Avenue. A blockage of the stormwater system was discovered in the catch basin at the northeast corner of Brambleton Avenue and Duke Street. A cleanup contractor, Petrochem, was contracted to cleanup the residual oil along the curb line with absorbents, and recover oil and oil-contaminated water within the stormwater system utilizing a vactor truck for recovery and proper disposal. Two 55-gallon drums of absorbents were used to clean up the oil in the street, and 1477 gallons of contaminated water were recovered from the stormwater system.
IMPACT TO STATE WATERS:	unknown

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

Kyle B Quick
Signature

10/12/2018
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

November 13, 2018

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

Re: VPDES Permit No. VA0088650
IR 158016

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sediment-laden water on November 4, 2018 (36.8452965642112, -76.2901079244725). The description of the incident is as follows:

A water main ruptured on Sunday, November 4, 2018, and washed an unknown volume of sediment into the stormwater system. The water main ruptured along the east side of Atlantic Street, between its intersections with Waterside Drive to the south, and Main Street to the north.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/6/2018 12:30:00 PM.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

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VPDES PERMIT NO. VA0088650

INCIDENT NO:	158016
REPORT DATE:	11/9/2018 3:15:47 PM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sediment-laden water
LOCATION:	ILLICIT DISCHARGE - Water Main Brake - Atlantic St 1 COMMERCIAL PLACE 36.8452965642112, -76.2901079244725
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk Department of Utilities 401 Monticello Ave., Norfolk, VA 23510 757-823-1000
DATE OF DISCHARGE:	11/4/2018
DATE/TIME REPORTED:	11/6/2018 12:30:00 PM
REPORTED TO DEQ BY:	Kyle Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	A water main ruptured on Sunday, November 4, 2018, and washed an unknown volume of sediment into the stormwater system. The water main ruptured along the east side of Atlantic Street, between its intersections with Waterside Drive to the south, and Main Street to the north.
CORRECTIVE ACTION:	The area was inspected by the City of Norfolk Division of Environmental Stormwater on Tuesday, November 6, 2018. The water main had been repaired and some residual sediment was present along the street, but it is likely that some sediment was removed from the street when the repair was completed, and additional sediment removed during the nightly street sweeping of downtown Norfolk. Some residual sediment was present in the stormwater catch basins at the intersection of Atlantic Street and Waterside Drive, but not enough to create a blockage in the stormwater system. No evidence of the sediment discharge was present at the outfall when inspected on Tuesday, November 6, 2018. However, a picture of a sediment plume in the Elizabeth River adjacent to the stormwater outfall was forwarded to City staff. The residual sediment within the stormwater system is being cleaned out by the City's Vactor trucks.

IMPACT TO STATE WATERS: **unknown**

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

Kyle B Quick
Signature

11/13/2018
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

November 14, 2018

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

Re: VPDES Permit No. VA0088650
IR 158104

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of petroleum and water on November 7, 2018, at approximately 11:30 am (36.859319899949, -76.25901974773). The description of the incident is as follows:

Three 55-gallon drums were dropped off and tipped over onto the ground at the northwest corner of the Roberts Road stormwater pond located at 2700 E. Princess Anne Road in Norfolk, Virginia. The three 55-gallon drums contained a mixture of petroleum and water. A resident (Mr. Michael Dimaria) witnessed the responsible party leaving the scene at approximately 11:30 am in a rental truck.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/7/2018 at approximately 1:40 pm.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	158104
REPORT DATE:	11/14/2018 9:45:46 AM
ESTIMATED QUANTITY:	165 gals
TYPE OF DISCHARGE:	Petroleum and Water
LOCATION:	ILLICIT DISCHARGE - Drum Disposal Roberts Rd Pond 2018-11-7 2700 E PRINCESS ANNE ROAD 36.859319899949, -76.25901974773
RESPONSIBLE PARTY:	James Poole
ADDRESS& PHONE:	3648 Sylvan Ct., Virginia Beach, VA 23453 757-623-4349
DATE OF DISCHARGE:	11/7/2018 11:30:00 AM
DATE/TIME REPORTED:	11/7/2018 1:40:00 PM
REPORTED TO DEQ BY:	K. Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Three 55-gallon drums were dropped off and tipped over onto the ground at the northwest corner of the Roberts Road stormwater pond located at 2700 E. Princess Anne Road in Norfolk, Virginia. The three 55-gallon drums contained a mixture of petroleum and water. A resident (Mr. Michael Dimaria) witnessed the responsible party leaving the scene at approximately 11:30 am in a Penske Rental truck.
CORRECTIVE ACTION:	The City of Norfolk Fire Department first responded to the incident. They initially mitigated the spread of the spilled petroleum by digging a trench along the downgradient edge of the release and filling the trench with Oil-Dry. A cleanup contractor was hired to dispose of the residual product within the drums. Also, City of Norfolk, Public Works staff excavated the area of petroleum-contaminated soil and loaded onto the cleanup contractor's dump truck. The release did not impact the Roberts Road Stormwater Pond. The cleanup contractor disposed of the waste product and approximately 10 tons of contaminated soil at a permitted facility. The City of Norfolk Fire Marshal's Office is performing enforcement and cost recovery on the responsible party, Mr. James Poole.

IMPACT TO STATE WATERS: **none**

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

Kyle B Reid
Signature

11/14/2018
Date

THE CITY OF NORFOLK
PUBLIC WORKS

11/21/2018

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

RE: VPDES Permit No. VA0088650
IR 159067

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage on 11/20/2018 8:37:00 AM. The description of the incident is as follows:

City of Norfolk, Department of Public Works-Stormwater Management received a complaint from a citizen that there was a "dark, gray foul smelling water in the ditch that runs between 215 & 229 E Bay Ave." City Staff investigated complaint and found gray water in ditch and traced the stormwater lines up to Tidewater Drive and over to Leicester Ave. The blockage was found in the sewer lines at 124 Leicester Ave. A call was placed with City of Norfolk Public Utilities for maintenance on the blocked line. Stormwater staff revisited the site at 1400 on 11/20/2018 and found blockage had been resolved. Stormwater staff also CCTV'ed the stormwater lines along Tidewater Drive to find point of entry into the system, but was unable to be determined.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/21/2018 9:47:00 AM.

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

Sincerely,

Christina VanLear

Enclosures

cc: File

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www.norfolk.gov

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

11/21/2008

Date

VPDES PERMIT NO. VA0088650

INCIDENT NO:	159067
REPORT DATE:	11/21/2018 12:51:14 PM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sewage
LOCATION:	ILLICIT DISCHARGE-215 E Bayview Ave 215 E BAY AVENUE
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk-Public Utitlies 1316 Ballentine Blvd Norfolk, VA
DATE OF DISCHARGE:	11/20/2018 8:37:00 AM
DATE/TIME REPORTED:	11/21/2018 9:47:00 AM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	Julie Laferriere
DESCRIPTION OF DISCHARGE:	Received a complaint from a citizen that there is "dark, gray foul smelling water in the ditch that runs between 215 & 229 E Bay Ave." City Staff investigated complaint and found gray water in ditch and traced the lines up to Tidewater Drive and over to Leicester Ave. Blockage was found in the sewer lines at 124 Leicester Ave. Call was placed with City of Norfolk Public Utilities for maintenance on the blocked line. Staff revisited the site at 1400 on 11/20/2018 and found blockage had been resolved. Staff also CCTV'ed stormwater lines along Tidewater Drive to find point of entry into the system.
CORRECTIVE ACTION:	Call was placed with City of Norfolk Public Utilities for maintenance on the blocked line. Staff revisited the site at 1400 on 11/20/2018 and found blockage had been resolved.
IMPACT TO STATE WATERS:	Yes

THE CITY OF NORFOLK
PUBLIC WORKS

12/4/2018

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

RE: VPDES Permit No. VA0088650
IR 159557

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of white powder residue on 11/29/2018 2:00:00 PM. The description of the incident is as follows:

During a routine BMP Inspection, a white powder residue was discovered in and around a drop inlet. It was noted that construction was occurring in the nearby vicinity. Spoke with Mr. Callaway from Roscoe Callaway and Co, Inc. and issued an NOV. C. VanLear revisited the site on 11/30/2018 and discovered inlet and pipe adjoining was cleared from any white residue or sediment.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 11/29/2018 3:30:00 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

Complaint Info

Complaint Number:	2019-105
Work Order Number:	
Complaint Date:	11/29/2018 2:00:00 PM
Complainant:	Christina VanLear 2233 McKann Ave 7578234078
Complaint Made:	During a routine BMP Inspection, a white powder residue was discovered in and around a drop inlet. It was noted that construction was occurring in the nearby vicinity. Spoke with Mr. Callaway from Roscoe Callaway and Co, Inc. and issued an NOV.
Respondent(s):	C.VanLear & K. Quick
Respondent Remarks:	During a routine BMP Inspection, a white powder residue was discovered in and around a drop inlet. It was noted that construction was occurring in the nearby vicinity. Spoke with Mr. Callaway from Roscoe Callaway and Co, Inc. and issued an NOV. C. VanLear revisited the site on 11/30/2018 and discovered inlet and pipe adjoining was cleared from any white residue or sediment.
NOV Issued:	Yes
Summons Issued:	No

Site Information

Responsible Party:	Roscoe Callaway 1121 Campostella Road Norfolk, VA 23523 757-500-3845
Site Name:	Illicit Discharge-701 South Main Street 701 South Main Street
HUC Code:	
Outfall To:	
Illicit Discharge Coordinates:	

Description of Incident

Permit Number:	VA0088650
DEQ IR Number:	159557
Reported To:	DEQ TRO
Reported To DEQ/DCR By:	C. VanLear
Date Reported:	11/29/2018 3:30:00 PM
Date of Discharge:	11/29/2018 2:00:00 PM
Date/time Under Control:	11/30/2018 2:00:00 PM
Report Date:	12/4/2018 7:09:54 AM
Description of Discharge:	During a routine BMP Inspection, a white powder residue was discovered in and around a drop inlet. It was noted that construction was occurring in the nearby vicinity. Spoke with Mr. Callaway from Roscoe Callaway and Co, Inc. and issued an NOV. C. VanLear revisited the site on 11/30/2018 and discovered inlet and pipe adjoining was cleared from any white residue or sediment.
Type of Discharge:	White powder residue
Amount Released:	unknown
Amount Recovered:	0
Amount Reaching State Waters:	unknown
Impact to State Waters:	Yes
Corrective Action:	NOV issued and inlet and pipe was cleaned by staff.

THE CITY OF
NORFOLK
PUBLIC WORKS

December 7, 2018

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

Re: VPDES Permit No. VA0088650
IR SSORS#2019-T-105308

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sanitary wastewater discovered on December 4, 2018, at approximately 1:42 PM ((36.938550601604, -76.23436270129). The description of the incident is as follows:

A sanitary sewer overflow occurred at 1432 Modoc Ave. A blockage in the sanitary sewer main caused the overflow. The blockage was cleared and the area of the overflow was cleaned up.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on December 5, 2018, at approximately 4:33 PM.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

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www.norfolk.gov

VPDES PERMIT NO. VA0088650

INCIDENT NO:	SSORS#2019-T-105308
REPORT DATE:	12/7/2018 7:55:55 AM
ESTIMATED QUANTITY:	50 gals
TYPE OF DISCHARGE:	Sanitary wastewater
LOCATION:	ILLICIT DISCHARGE - SSO 1432 Modoc Ave 1432 MODOC AVENUE 36.938550601604, -76.23436270129
RESPONSIBLE PARTY: ADDRESS& PHONE:	Norfolk Department of Utilities 401 Monticello Ave., Norfolk, VA 23510 757-664-6700
DATE OF DISCHARGE:	12/4/2018 1:42:00 PM
DATE/TIME REPORTED:	12/5/2018 4:33:00 PM
REPORTED TO DEQ/DCR BY:	David Speer
REPORTED TO:	SSORS Database
DESCRIPTION OF DISCHARGE:	A sanitary sewer overflow occurred at 1432 Modoc Ave.
CORRECTIVE ACTION:	A blockage in the sanitary sewer main caused the overflow. The blockage was cleared and the area of the overflow was cleaned up.
IMPACT TO STATE WATERS:	Chesapeake Bay

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

Kyle B Quick
Signature

12/7/2018
Date

THE CITY OF NORFOLK
PUBLIC WORKS

12/07/2018

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

RE: VPDES Permit No. VA0088650
IR 188515

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage on 12/5/2018 10:50 AM (36.857670156706, -76.2556388574). The description of the incident is as follows:

During a routine BMP inspection, City Staff discovered gray water flowing from the outfall of the stormwater system. City staff tracked the line back to point of infiltration in the stormwater system, which was a blockage at 2824 Bayne Ave. Staff reported the blockage to David Speer from Utilities at 11:17 am. Staff investigated and found that the blockage had been cleared at 7:20 am on 12/06/2018.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 12/5/2018 16:15.

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

Sincerely,

Peter Mack
Construction Inspector II

Enclosures

cc: File

Complaint Info

Complaint Number:	2019-107
Work Order Number:	
Complaint Date:	12/5/2018 10:50:00 AM
Complainant:	P. Mack 2233 McKann Ave Norfolk, VA 757-439-0609
Complaint Made:	During a routine BMP inspection, discovered gray water flowing from the outfall of the stormwater system.
Respondent(s):	C. Siemmering & C. Taylor
Respondent Remarks:	City staff tracked the line back to point of infiltration in the stormwater system, which is a blockage at 2824 Bayne Ave. Staff reported the blockage to David Speer from Utilities at 11:17 am.
NOV Issued:	No
Summons Issued:	No

Site Information

Responsible Party:	David Speer/City of Norfolk Public Utilities 1316 Ballentine Blvd Norfolk, VA
Site Name:	ILLICIT DISCHARGE-1425 Norchester Ave 1425 NORCHESTER AVENUE
HUC Code:	Elizabeth River-Lafayette River
Outfall To:	
Illicit Discharge Coordinates:	36.857670156706 -76.2556388574

Description of Incident

Permit Number:	VA0088650
DEQ IR Number:	188515
Reported To:	TRO Prep
Reported To DEQ/DCR By:	P.Mack
Date Reported:	12/5/2018 4:15:00 PM
Date of Discharge:	12/5/2018 10:50:00 AM
Date/time Under Control:	12/6/2018 7:20:00 AM
Report Date:	12/7/2018 8:58:15 AM
Description of Discharge:	During a routine BMP inspection, discovered gray water flowing from the outfall of the stormwater system.City staff tracked the line back to point of infiltration in the stormwater system, which is a blockage at 2824 Bayne Ave. Staff reported the blockage to David Speer from Utilities at 11:17 am. Staff investigated and found that the blockage had been cleared at 7: 20 am on 12/06/2018.
Type of Discharge:	Sewage
Amount Released:	Unknown
Amount Recovered:	0 gals
Amount Reaching State Waters:	Unknown
Impact to State Waters:	Yes
Corrective Action:	City staff tracked the line back to point of infiltration in the stormwater system, which is a blockage at 2824 Bayne Ave. Staff reported the blockage to David Speer from Utilities at 11:17 am. Staff investigated and found that the blockage had been cleared at 7: 20 am on 12/06/2018.Further investigation will be done to see if there is any damage to sewer lines by utilities.

THE CITY OF
NORFOLK
PUBLIC WORKS

December 11, 2018

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

Re: VPDES Permit No. VA0088650
IR# 188699

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sanitary wastewater discovered on December 7, 2018, at approximately 8:30 AM (36.847416809022, -76.27888970821). The description of the incident is as follows:

A sanitary sewer overflow (SSO) was discovered on the morning of Friday, December 7, 2018. Sanitary wastewater was overflowing out of a manhole structure located near the southwest corner of the building at 1139 East Charlotte Street in Norfolk, Virginia. Reportedly the overflow was caused by a blockage in the sanitary sewer main along Mariner Street.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on December 7, 2018, at approximately 2:45 PM.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**188699**
REPORT DATE:	**12/11/2018 3:37:47 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sanitary wastewater**
LOCATION:	**ILLICIT DISCHARGE - 1139 E. Charlotte St. 2018-12-7 1139 E CHARLOTTE STREET 36.847416809022, -76.27888970821**
RESPONSIBLE PARTY:	**Norfolk Department of Utilities**
ADDRESS& PHONE:	**401 Monticello Ave., Norfolk, VA 23510 757-664-6700**
DATE OF DISCHARGE:	**12/7/2018 8:30:00 AM**
DATE/TIME REPORTED:	**12/7/2018 2:45:00 PM**
REPORTED TO DEQ/DCR BY:	**K. Quick**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**A sanitary sewer overflow (SSO) was discovered on the morning of Friday, December 7, 2018. Sanitary wastewater was overflowing out of a manhole structure located near the southwest corner of the building at 1139 East Charlotte Street in Norfolk, Virginia. Reportedly the overflow was caused by a blockage in the sanitary sewer main along Mariner Street.**
CORRECTIVE ACTION:	**The blockage was cleared that morning to stop the release.**
IMPACT TO STATE WATERS:	**Eastern Branch 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.

Signature

12/11/2018
Date

THE CITY OF NORFOLK
PUBLIC WORKS

12/13/2018

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

RE: VPDES Permit No. VA0088650
IR 188716

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Gray Water (Laundry)on 12/7/2018 1:05 PM (36.9243131315, -76.1915414332). The description of the incident is as follows:

City Staff investigated the site at 8180 Shore Drive and found overflow from what appeared to be a laundry cleanout. The water was tested, and was a hit for detergents, as well as visible characteristics of foam and odor of laundry detergent. Staff investigated local surroundings and found that the cleanout lined up with the Vinings Landing Marina laundry facilities. An additional water leak was found in the parking lot coming from a center island, that was clear and did not smell of detergents. Nearest drop inlet was blocked by a gutter buddy from nearby construction, but was inspected and an oily sheen was present , which appears to be from stormwater runoff. Staff cleaned drop inlet to remove oily sheen. Issue was addressed with management on 12/07/2018. Staff revisited site on 12/10/2018 to find that overflow from laundry cleanout had been fixed. The water leak in the parking lot center island was still ongoing, spoke with management about getting issue fixed. Site re-inspected on 12/13/2018, and water line had not been fixed, issued an NOV to management of Vining Landings Marina. Per management, American Mechanical is being contracted to do the work, and staff is waiting on Miss Utilities to mark before pipe can be fixed. American Mechanical is due to return to site on 12/18/2018 to fix water line issue.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 12/7/2018 4:30 PM.

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

Sincerely,

Christina VanLear

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**188716**
REPORT DATE:	**12/13/2018 1:29:14 PM**
ESTIMATED QUANTITY:	**10 gals**
TYPE OF DISCHARGE:	**Gray Water (Laundry)**
LOCATION:	**ILLICIT DISCHARGE-8180 Shore Drive 8180 Shore Drive 36.9243131315, -76.1915414332**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Greg Holochwost, General Manager Vining Landings Marina 8166 Shore Drive Norfolk, VA 23518 7575878000**
DATE OF DISCHARGE:	**12/7/2018 1:05:00 PM**
DATE/TIME REPORTED:	**12/7/2018 4:30:00 PM**
REPORTED TO DEQ/DCR BY:	**Christina VanLear**
REPORTED TO:	**TRO Prep**

DESCRIPTION OF DISCHARGE:	**City Staff investigated the site at 8180 Shore Drive and found overflow from what appeared to be a laundry cleanout. The water was tested, and was a hit for detergents, as well as visible characteristics of foam and odor of laundry detergent. Staff investigated local surroundings and found that the cleanout lined up with the Vinings Landing Marina laundry facilities. An additional water leak was found in the parking lot coming from a center island, that was clear and did not smell of detergents. Nearest drop inlet was blocked by a gutter buddy from nearby construction, but was inspected and an oily sheen was present , which appears to be from stormwater runoff. Staff cleaned drop inlet to remove oily sheen. Issue was addressed with management on 12/07/2018. Staff revisited site on 12/10/2018 to find that overflow from laundry cleanout had been fixed. The water leak in the parking lot center island was still ongoing, spoke with management about getting issue fixed. Site re-inspected on 12/13/2018, and water line had not been fixed, issued an NOV to management of Vining Landings Marina. Per management, American Mechanical is being contracted to do the work, and staff is waiting on Miss Utilities to mark before pipe can be fixed. American Mechanical is due to return to site on 12/18/2018 to fix water line issue.**
CORRECTIVE ACTION:	**Issue was addressed with management on 12/07/2018. Staff revisited site on 12/10/2018 to find that overflow from laundry cleanout had been fixed. The water leak in the parking lot center island was still ongoing, spoke with management about getting issue fixed. Site re-inspected on 12/13/2018, and water line had not been fixed, issued an NOV to management of Vining Landings Marina. Per management, American Mechanical is being contracted to do the work, and staff is waiting on Miss Utilities to mark before pipe can be fixed. American Mechanical is due to return to site on 12/18/2018 to fix water line issue.**
IMPACT TO STATE WATERS:	**Yes**

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

Charles VanDoor 12/13/18

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

12/18/2018

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

RE: VPDES Permit No. VA0088650
IR 189055

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage on 12/10/2018 1:00:00 PM (36.9562361864808, -76.2535284914551). The description of the incident is as follows:

While on a routine inspection I walked by a DI and discovered gray water in it. The amount is unknown.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 12/11/2018 4:18:00 PM.

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

Sincerely,

Peter Mack

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**189055**
REPORT DATE:	**12/18/2018 8:59:37 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**Greenies** **192 W OCEAN VIEW AVENUE** **36.9562361864808, -76.2535284914551**
RESPONSIBLE PARTY:	**David Speer**
ADDRESS& PHONE:	**1316 Ballentine Blvd.** **7578231000**
DATE OF DISCHARGE:	**12/10/2018 1:00:00 PM**
DATE/TIME REPORTED:	**12/11/2018 4:18:00 PM**
REPORTED TO DEQ/DCR BY:	**Peter Mack**
REPORTED TO:	**TRO prep**
DESCRIPTION OF DISCHARGE:	**While on a routine inspection I walked by a DI and discovered gray water in it. The amount is unknown.**
CORRECTIVE ACTION:	**Contacted City of Norfolk Department of Utilities to resolve blockage in the utilities line. Revisited site on 12/12/2018 and blockage had been addressed.**
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

12-18-2018
Date

Complaint Info

Complaint Number:	2019-113
Work Order Number:	
Complaint Date:	12/10/2018 1:00:00 PM
Complainant:	Peter Mack 2233 McKann Ave Norfolk Va. 23509 757-439-0906
Complaint Made:	While on a routine inspection I walked by a DI and discovered gray water in it, The amount is unknown.
Respondent(s):	Peter Mack Chris Taylor
Respondent Remarks:	The City of Norfolk Public Utilities was notified.
NOV Issued:	No
Summons Issued:	No

Site Information

Responsible Party:	David Speer 1316 Ballentine Blvd. 7578231000
Site Name:	Greenies 192 W OCEAN VIEW AVENUE
HUC Code:	
Outfall To:	
Illicit Discharge Coordinates:	36.9562361864808 -76.2535284914551

Description of Incident

Permit Number:	VA0088650
DEQ IR Number:	189055
Reported To:	TRO prep
Reported To DEQ/DCR By:	Peter Mack
Date Reported:	12/11/2018 4:18:00 PM
Date of Discharge:	12/10/2018 1:00:00 PM
Date/time Under Control:	12/11/2018 10:00:00 AM
Report Date:	12/18/2018 8:59:37 AM
Description of Discharge:	While on a routine inspection I walked by a DI and discovered gray water in it. The amount is unknown.
Type of Discharge:	Sewage
Amount Released:	Unknown
Amount Recovered:	0 gals
Amount Reaching State Waters:	Unknown
Impact to State Waters:	Yes
Corrective Action:	Contacted City of Norfolk Department of Utilities to resolve blockage in the utilities line. Revisited site on 12/12/2018 and blockage had been addressed.

THE CITY OF NORFOLK
PUBLIC WORKS

12/20/2018

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

RE: VPDES Permit No. VA0088650
IR 189315

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of wash water on 12/17/2018 1:05:00 PM(36.8806346704, -76.282315991). The description of the incident is as follows:

City staff saw a white, cloudy substance in the gutter pan, along with pressure washing materials at Camellia Courts. The site was investigated and found staff from Sunset Home Repair power washing the roof of Camellia Courts. City staff addressed issue with employee from Sunset Home Repair and power washer's were not started back up. Spoke with owner of Sunset Home Repair Dan Boyters, and discussed the cleanup of the gutter pans that needed to occur. Gutter pans were cleaned of the wash water and staff from Sunset Home Repair was educated on stormwater issues.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 12/17/2018 3:00:00 PM.

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

Sincerely,

Christina VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**189315**
REPORT DATE:	**12/20/2018 2:05:16 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Washwater**
LOCATION:	**ILLICIT DISCHARGE-3719 Granby Street** **3719 Granby Street** **36.8806346704, -76.282315991**
RESPONSIBLE PARTY:	**Dan Boyters**
ADDRESS& PHONE:	**222 W. 21st Street Suite F #201 Norfolk, VA 23517** **757-374-8700**
DATE OF DISCHARGE:	**12/17/2018 1:05:00 PM**
DATE/TIME REPORTED:	**12/17/2018 3:00:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**City staff saw a white, cloudy substance in the gutter pan, along with pressure washing materials at Camellia Courts. Investigated and found staff from Sunset Home Repair powerwashing the roof of Camellia Courts. Addressed issue with employee from Sunset Home Repair and power washer's were not started back up. Spoke with owner of Sunset Home Repair Dan Boyters, and discussed the cleanup of the gutter pans that needed to occur.**
CORRECTIVE ACTION:	**Per Dan Boyters, water was removed with a shop vac. Site was re-inspected on 12/18/2018 and washwater had been removed.**
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

12/20/18
Date

THE CITY OF NORFOLK
PUBLIC WORKS

12/20/2018

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

RE: VPDES Permit No. VA0088650
IR 189459

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of grease on 12/18/2018 11:14:00 AM (36.9185163366, -76.1916047186). The description of the incident is as follows:

During a routine BMP inspection, grease was found to have been disposed of in the drop inlet in the parking lot. NOV was issued to Rita Smith, General Manager, to be cleaned up by 12/20/2018. Site was re-inspected on 12/20/2018 and had been cleaned up.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 12/18/2018 2:00:00 PM.

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

Sincerely,

Christina VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**189459**
REPORT DATE:	**12/20/2018 2:34:34 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Grease**
LOCATION:	**ILLICIT DISCHARGE-7900 Shore Drive 7900 SHORE DRIVE 36.9185163366, -76.1916047186**
RESPONSIBLE PARTY:	**Rita Smith (General Manager-McDonald's)**
ADDRESS& PHONE:	**7900 Shore Drive Norfolk, VA 23518 757-587-5240**
DATE OF DISCHARGE:	**12/18/2018 11:14:00 AM**
DATE/TIME REPORTED:	**12/18/2018 2:00:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**During a routine BMP inspection, grease was found to have been disposed of in the drop inlet in the parking lot. NOV was issued to Rita Smith, General Manager, to be cleaned up by 12/20/2018.**
CORRECTIVE ACTION:	**NOV was issued to Rita Smith, General Manager, to be cleaned up by 12/20/2018. Site was re-inspected on 12/20/2018 and 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

12/20/18
Date

THE CITY OF NORFOLK
PUBLIC WORKS

1/9/2019

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

RE: VPDES Permit No. VA0088650
IR 190376

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of grease on 1/3/2019 9:15 AM (36.88402597489, -76.281318214). The description of the incident is as follows:

There was a citizen complaint of grease from Charlie's American Cafe' being dumped into ally behind restaurant and washing into gutter pan. City staff visited site on 1/3/2019 and noticed a grease residue in the alley behind the restaurant. Grease was also noted in the gutter pan along East 41st Street towards Columbus Avenue. Spoke with Ms.Cartagena about complaint and issued a Notice of Violation. Grease was no longer being dumped into ally way at time of visit, but grease was still present and needed to be disposed of properly. Revisited the site on 01/09/2019 and all remnants of grease had been cleaned.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 1/3/2019 2:00 PM.

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

Sincerely,

Chrisi VanLear

Chrisi VanLear

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	190376
REPORT DATE:	1/9/2019 1:44:36 PM
ESTIMATED QUANTITY:	Unknown
TYPE OF DISCHARGE:	Grease
LOCATION:	ILLICIT DISCHARGE-4024 Granby Street 4024 GRANBY STREET 36.88402597489, -76.281318214
RESPONSIBLE PARTY: ADDRESS& PHONE:	Charlie's American Cafe' (Sonia Cartagena) 4024 Granby Street Norfolk, VA 23504
DATE OF DISCHARGE:	1/3/2019 9:15:00 AM
DATE/TIME REPORTED:	1/3/2019 2:00:00 PM
REPORTED TO DEQ/DCR BY:	C.VanLear
REPORTED TO:	TRO Prep
DESCRIPTION OF DISCHARGE:	Citizen complaint of grease from Charlie's American Cafe' being dumped into ally behind restaurant and washing into gutter pan. Visited site on 1/3/2019 and noticed a grease residue in the alley behind the restaurant. Grease was also noted in the gutter pan along East 41st Street towards Columbus Avenue. Spoke with Ms.Cartagena about complaint and issued a Notice of Violation. Grease was no longer being dumped into ally way at time of visit, but grease was still present and needed to be disposed of properly. Revisited the site on 01/09/2019 and all remnants of grease had been cleaned.
CORRECTIVE ACTION:	Spoke with Ms.Cartagena about complaint and issued a Notice of Violation. Grease was no longer being dumped into ally way at time of visit, but grease was still present and needed to be disposed of properly. Revisited the site on 01/09/2019 and all remnants of grease had been 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.

Chaise Lauber 01/09/2019

Signature Date

THE CITY OF
NORFOLK
PUBLIC WORKS

January 10, 2019

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

Re: VPDES Permit No. VA0088650
Reference ID# 190918

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of process wash water and contaminated storm water on January 9, 2019, at approximately 11am. The description of the incident is as follows:

During an industrial site inspection prompted by a complaint, process wash water and contaminated storm water was found discharging into the City's storm water system. The property owner was issued an NOV and given 24 hours to cease the discharge from the property, or a summons will be issued.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on January 9, 2019, at approximately 3:30pm.

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

Respectfully,

Casey Magruder

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**190918**
REPORT DATE:	**1/10/2019**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Process wash water and contaminated storm water**
LOCATION:	**ILLICIT DISCHARGE** **3306 Peterson Street**
RESPONSIBLE PARTY:	**Mil-Spec Abrasives – Jim Miller**
ADDRESS& PHONE:	**3306 Peterson Street, Norfolk, VA 23509** **757-927-6699**
DATE OF DISCHARGE:	**1/9/2019 11:00 AM**
DATE/TIME REPORTED:	**1/9/2019 3:30 PM**
REPORTED TO DEQ/DCR BY:	**C. Magruder**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Site inspection was prompted by a complaint of foul odor from facility. Outfalls were checked and the facility was discharging process wash water and contaminated storm water from the property into the City's MS4.**
CORRECTIVE ACTION:	**NOV was issued and owner was told that a summons would be issued if discharge did not cease within 24 hours.**
IMPACT TO STATE WATERS:	**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.

Carson Magruder — Signature

1/10/19 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

1/28/2019

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

RE: VPDES Permit No. VA0088650
IR 192155

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of washwater on 1/23/2019 12:40 PM. The description of the incident is as follows:

During a follow up inspection for BMP maintenance, employees of Wawa were observed power washing concrete sidewalk/parking lot with runoff going into storm drain. Wawa staff were instructed to cease power washing until storm drain was blocked off and containment for runoff was provided.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 1/24/2019 9:00 AM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**192155**
REPORT DATE:	**1/28/2019 7:56:24 AM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Washwater**
LOCATION:	**ILLICIT DISCHARGE-6301 N Military Highway 6301 N MILITARY HIGHWAY**
RESPONSIBLE PARTY:	**Wawa (Jenn Zimmerman)**
ADDRESS& PHONE:	**6301 N Military Highway Norfolk, VA**
DATE OF DISCHARGE:	**1/23/2019 12:40 PM**
DATE/TIME REPORTED:	**1/24/2019 9:00 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**During a follow up inspection for BMP maintenance, employees of Wawa were observed power washing concrete sidewalk/parking lot with runoff going into storm drain. Wawa staff were instructed to cease power washing until storm drain was blocked off and containment for runoff was provided.**
CORRECTIVE ACTION:	**NOV was issued to manager on duty (Jenn Zimmerman).**
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.

Chris VanLear — Signature

1/28/19 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

2/1/2019

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

RE: VPDES Permit No. VA0088650
IR 192877

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 1/29/2019 10:47 AM(36.91002288, -76.2487999). The description of the incident is as follows:

Received complaint and investigated. Staff of Circor had already began the remediation on the diesel spill. Per Matt Holub, the diesel came from a fuel tank hose that disconnected. Mr. Holub stated that the fuel was dispersed onto the ground and ran into the storm drain on private property. The storm drain was blocked off to prevent movement through the system. MSRC and Accurate Marine responded to clean storm drains. City staff re-inspected site on 1/30/2019 and noticed a visible sheen still present in the storm drain. Staff of Circor used absorbent and a shop vacuum to remove the small amount of sheen, which appears to have come from a rain event.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 1/29/2019 14:50 .

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

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**192877**
REPORT DATE:	**2/1/2019 10:55:03 AM**
ESTIMATED QUANTITY:	**20 gallons**
TYPE OF DISCHARGE:	**Diesel Fuel**
LOCATION:	**ILLICIT DISCHARGE-7421 Central Business Park Drive Suite 107B 7421 CENTRAL BUSINESS PARK DRIVE 36.91002288, -76.2487999**
RESPONSIBLE PARTY:	**Circor**
ADDRESS& PHONE:	**7421 Central Business Park Drive 7576925895**
DATE OF DISCHARGE:	**1/29/2019 10:47:00 AM**
DATE/TIME REPORTED:	**1/29/2019 2:50:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Received complaint and investigated. Staff of Circor had already began the remediation on the diesel spill. Per Matt Holub, the diesel came from a fuel tank hose that disconnected. Mr. Holub stated that the fuel was dispersed onto the ground and ran into the storm drain on private property. The storm drain was blocked off to prevent movement through the system. MSRC and Accurate Marine responded to clean storm drains. City staff re-inspected site on 1/30/2019 and noticed a visible sheen still present in the storm drain. Staff of Circor used absorbent and a shop vacuum to remove the small amount of sheen, which appears to have come from a rain event.**
CORRECTIVE ACTION:	**MSRC and Accurate Marine responded to clean storm drains. City staff re-inspected site on 1/30/2019 and noticed a visble sheen still present in the storm drain. Staff of Circor used absorbent and a shop vacuum to remove the small amount of sheen, which appears to have come from a rain event. 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.

Signature

2/1/19
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

February 4, 2019

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

Re: VPDES Permit No. VA0088650
IR 192964

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sanitary wastewater discovered on January 30, 2019, at approximately 12:30 PM (36.942991606361, -76.25726514282). The description of the incident is as follows:

Mr. Curley called and said it seems like sanitary watewater was discharging out of the outfall and into a stormwater ditch behind his house at 215 E. Bay Avenue. We traced the illicit discharge to the vicinity of 201 E. Randall Avenue. Sanitary wastewater was observed infiltrating into an underground stormwater line within the right-of-way of Tidewater Drive, beside 201 E. Randall Avenue. The Norfolk Department of Utilities broke the stoppage in the sanitary system at approximately 4:00 pm that same day, Wednesday, 1/30/2019. Clearing the stoppage in the sanitary sewer line stopped the discharge into the stormwater system. The Department of Utilities video inspected their sanitary wastewater line and discovered where it is damaged and will begin repairing the pipe tomorrow, February 5, 2019.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on January 30, 2019, at approximately 1:30 PM.

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

Respectfully,

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**192964**
REPORT DATE:	**2/4/2019 2:43:01 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sanitary wastewater**
LOCATION:	**ILLICIT DISCHARGE - Sewage 201 E. Randall Ave. 201 E RANDALL AVENUE 36.942991606361, -76.25726514282**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Department of Utilities 401 Monticello Ave., Norfolk, VA 23510 757-664-6700**
DATE OF DISCHARGE:	**1/30/2019 12:30:00 PM**
DATE/TIME REPORTED:	**1/30/2019 1:30:00 PM**
REPORTED TO DEQ/DCR BY:	**Kyle Quick**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Mr. Curley called and said it seems like sanitary watewater was discharging out of the outfall and into a stormwater ditch behind his house at 215 E. Bay Avenue.**
CORRECTIVE ACTION:	**We traced the illicit discharge to the vicinity of 201 E. Randall Avenue. Sanitary wastewater was observed infiltrating into an underground stormwater line (H042057) within the right-of-way of Tidewater Drive, beside 201 E. Randall Avenue. The Norfolk Department of Utilities broke the stoppage in the sanitary system that created the surcharge at approximately 4:00 pm that same day, Wednesday, 1/30/2019. Clearing the stoppage in the sanitary sewer line stopped the discharge into the stormwater system. The Department of Utilities video inspected their sanitary wastewater line and discovered where it is damaged and will begin repairing the pipe tomorrow, 2/5/2019.**
IMPACT TO STATE WATERS:	**unknown**

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

Kyle B Quick
Signature

2/4/2019
Date

THE CITY OF NORFOLK
PUBLIC WORKS

February 7, 2019

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

RE: VPDES Permit No. VA0088650
IR 193355

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of transmission fluid on 2/4/2019 1:10 PM(36.82873542, -76.2791806). The description of the incident is as follows:

Car accident that left transmission fluid in road and small amount went down drain per Norfolk Police Department.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/4/2019 3:00 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**193355**
REPORT DATE:	**2/7/2019 3:06:28 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Transmission Fluid**
LOCATION:	**ILLICIT DISCHARGE-700 CULPEPPER STREET 700 CULPEPPER STREET 36.82873542, -76.2791806**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk-Impact Center (Lorraine Boone) 401 Monticello Avenue Norfolk, VA 757-664-6510**
DATE OF DISCHARGE:	**2/4/2019 1:10 PM**
DATE/TIME REPORTED:	**2/4/2019 3:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Car accident that left transmission fluid in road and small amount went down drain per Norfolk Police Department.**
CORRECTIVE ACTION:	**Norfolk Police Department applied absorbent to the roadway and stormwater staff blocked off storm drain. Vehicle was towed and absorbent removed by towing company.**
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

2/7/19
Date

2/11/2019

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

RE: VPDES Permit No. VA0088650
IR 193495

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of mudon 2/4/2019 2:00:00 PM(36.8662183152359, -76.2942551531372). The description of the incident is as follows:

unknown amount of drill slurry(mud), into the gutter system and catch basin.the lined dumpster that contained the slurry had been opened and the liner cut.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/11/2019 3:30:00 PM.

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

Sincerely,

Peter Mack

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**193495**
REPORT DATE:	**2/11/2019 3:23:28 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**mud**
LOCATION:	**ILLICIT DISCHARGE STOCKLY GARDENS 1417 STOCKLEY GARDENS 36.8662183152359, -76.2942551531372**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Gildersleeve Geothermal 928 Commonwealth Pl.**
DATE OF DISCHARGE:	**2/4/2019 2:00:00 PM**
DATE/TIME REPORTED:	**2/11/2019 3:30:00 PM**
REPORTED TO DEQ/DCR BY:	**Peter Mack**
REPORTED TO:	**TRO prep**
DESCRIPTION OF DISCHARGE:	**unknown amount of drill slurry(mud), into the gutter system and catch basin.the lined dumpster that contained the slurry had been opened and the liner cut.**
CORRECTIVE ACTION:	**dumpster was removed from site, gutters were shoveled and swept catch basin vacuumed.**
IMPACT TO STATE WATERS:	**none**

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

Signature

Date

THE CITY OF
NORFOLK
PUBLIC WORKS

February 19, 2019

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

Re: VPDES Permit No. VA0088650
IR 194455

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sanitary wastewater discovered on February 13, 2019, at approximately 12:00 PM (36.9561301857331, -76.2536196865616). The description of the incident is as follows:

The City of Norfolk Department of Public Works was notified of a foul smell coming from a stormwater catch basin at the intersection of 1st View Street and West Ocean View Avenue. We discovered the sanitary sewer system was surcharged (i.e., backed up) and sanitary wastewater was entering the stormwater system in the same area underground.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on February 13, 2019, at approximately 2:00 PM.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	194455
REPORT DATE:	2/19/2019 9:20:58 AM
ESTIMATED QUANTITY:	unknown
TYPE OF DISCHARGE:	Sanitary Wastewater
LOCATION:	ILLICIT DISCHARGE - Sewage 196 W Ocean View Ave 2019-2-13 196 W OCEAN VIEW AVENUE 36.9561301857331, -76.2536196865616
RESPONSIBLE PARTY: ADDRESS& PHONE:	Norfolk Department of Utilities 1316 Ballentine Boulevard 757-823-1000
DATE OF DISCHARGE:	2/13/2019 12:00:00 PM
DATE/TIME REPORTED:	2/13/2019 2:00:00 PM
REPORTED TO DEQ BY:	Kyle Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	The City of Norfolk Department of Public Works was notified of a foul smell coming from a stormwater catch basin at the intersection of 1st View Street and W. Ocean View Avenue. We discovered the sanitary sewer system was surcharged (i.e., backed up) and sanitary wastewater was entering the stormwater system in the same area underground.
CORRECTIVE ACTION:	The City of Norfolk Department of Utilities was been notified. They broke the stoppage in the sanitary system that same day (2/13/2019). The illicit discharge had stopped per our reinspection the next morning (2/14/2019). We will continue to investigate our sewer systems to try to prevent this issue from reoccurring.
IMPACT TO STATE WATERS:	Chesapeake Bay

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

Kyle B Quick
Signature

2/19/2019
Date

THE CITY OF NORFOLK
PUBLIC WORKS

2/20/2019

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

RE: VPDES Permit No. VA0088650
IR 194876

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of latex paint on 2/16/2019 12:45 PM(36.90606161391, -76.2785017118). The description of the incident is as follows:

Norfolk Masonic Lodge had latex paint spill with a small amount possibly reaching the storm drain. City Staff (Kevin Smith) responded on Saturday to the call. Mr. Carr stated that a trash can that previously contained paint, was filled with water and then dumped onto pavement. A small amount of the latex paint/water mixture could have entered the storm drain that was nearby. Mr. Smith instructed Mr. Carr to clean up the latex paint/water mixture that had been dumped onto pavement and any that entered the storm drain. Site was immediately cleaned.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/16/2019 1:15 PM.

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

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**194876**
REPORT DATE:	**2/20/2019 1:06:53 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Latex paint**
LOCATION:	**ILLICIT DISCHARGE-7001 Granby Street 7001 GRANBY STREET 36.90606161391, -76.2785017118**
RESPONSIBLE PARTY:	**Norfolk Masonic Lodge (Tully Carr)**
ADDRESS& PHONE:	**7001 Granby Street Norfolk, VA 1-757-203-0540**
DATE OF DISCHARGE:	**2/16/2019 12:45:00 PM**
DATE/TIME REPORTED:	**2/16/2019 1:15:00 PM**
REPORTED TO DEQ/DCR BY:	**J.Whitehurst**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Latex paint spill, possibly small amount into storm drain.City Staff (Kevin Smith) responded on Saturday to the call. Mr. Carr stated that a trash can that previously contained paint, was filled with water and then dumped onto pavement. A small amount could have entered the storm drain that was nearby. Mr. Smith instructed to Mr. Carr to clean up the latex paint/water mixture that had been dumped onto pavement and any that entered the storm drain. Site was immediately cleaned.**
CORRECTIVE ACTION:	**Mr. Smith instructed to Mr. Carr to clean up the latex paint/water mixture that had been dumped onto pavement and any that entered the storm drain. Site was immediately 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.

Christi VanZeist
Signature

2/20/19
Date

2/22/2019

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

RE: VPDES Permit No. VA0088650
IR 194795

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of silton 2/14/2019 3:00:00 PM(36.8687463167048, -76.2273715891419). The description of the incident is as follows:

A unknown quantity of silt from a drilling rig entered a yard basin and made it to the storm water ditch. the entry point is the yard basin in front of 4858 E. Princess Ann Rd. and the storm water ditch behind 1445 Norcova Ave.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/15/2019 1:15:00 PM.

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

Sincerely,

Peter Mack

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**194795**
REPORT DATE:	**2/22/2019 9:43:37 AM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**silt**
LOCATION:	**ILLICIT DISCHARGE 3109 E Princess Ann Rd 4858 E PRINCESS ANNE ROAD 36.8687463167048, -76.2273715891419**
RESPONSIBLE PARTY:	**Southest Connections**
ADDRESS& PHONE:	**1025 Ruritan Blvd. Chesapeake Va. 404-379-6905**
DATE OF DISCHARGE:	**2/14/2019 3:00:00 PM**
DATE/TIME REPORTED:	**2/15/2019 1:15:00 PM**
REPORTED TO DEQ/DCR BY:	**Peter Mack**
REPORTED TO:	**TRO prep**
DESCRIPTION OF DISCHARGE:	**A unknown quantity of silt from a drilling rig entered a yard basin and made it to the storm water ditch. the entry point is the yard basin in front of 4858 E. Princess Ann Rd. and the storm water ditch behind 1445 Norcova Ave.**
CORRECTIVE ACTION:	**Drilling operation stopped, inlet protection repaired, storm drain cleaned with a vac truck.**
IMPACT TO STATE WATERS:	**none**

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

Signature

2-22-2019
Date

THE CITY OF NORFOLK
PUBLIC WORKS

2/28/2019

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

RE: VPDES Permit No. VA0088650
IR 195175

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Sewage on 2/19/2019 3:00:00 PM (36.9416294064345, -76.2480219163475). The description of the incident is as follows:

Sanitary sewer overflow into the street. Sanitary sewer surcharged overflowing into the gutter system and into a curb inlet.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/20/2019 3:15:00 PM.

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

Sincerely,

Peter Mack

Enclosures

cc: File

THE CITY OF NORFOLK
PUBLIC WORKS

2/28/2019

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

RE: VPDES Permit No. VA0088650
IR 195175

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Sewage on 2/19/2019 3:00:00 PM (36.9416294064345, -76.2480219163475). The description of the incident is as follows:

Sanitary sewer overflow into the street. Sanitary sewer surcharged overflowing into the gutter system and into a curb inlet.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/20/2019 3:15:00 PM.

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

Sincerely,

Peter Mack

Enclosures

cc: File

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

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

RE: VPDES Permit No. VA0088650
IR 195178

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of mudon 2/20/2019 12:45:00 PM(36.9416257819321, -76.2478314795075). The description of the incident is as follows:

A unknown of asphalt saw dust and soil sediment in the storm drain gutter system and into one curb inlet.Found asphalt saw dust and soil sediment in the street and storm water system.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/20/2019 3:25:00 PM.

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

Sincerely,

Peter Mack

Enclosures

cc: File

THE CITY OF NORFOLK
PUBLIC WORKS

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**195178**
REPORT DATE:	**2/28/2019 3:27:33 PM**
ESTIMATED QUANTITY:	**5 gals**
TYPE OF DISCHARGE:	**mud**
LOCATION:	**ILLICIT DISCHARGE 622-2 E.Leicester Ave. 622 E LEICESTER AVENUE 36.9416257819321, -76.2478314795075**
RESPONSIBLE PARTY:	**David Speer Norfolk Puplic Utilies**
ADDRESS& PHONE:	**1316 Ballentine Blvd.**
DATE OF DISCHARGE:	**2/20/2019 12:45:00 PM**
DATE/TIME REPORTED:	**2/20/2019 3:25:00 PM**
REPORTED TO DEQ/DCR BY:	**Peter Mack**
REPORTED TO:	**TRO prep**
DESCRIPTION OF DISCHARGE:	**A unknown of asphalt saw dust and soil sediment in the storm drain gutter system and into one curb inlet.Found asphalt saw dust and soil sediment in the street and storm water system.**
CORRECTIVE ACTION:	**spoke with saw operator and site superintendent, gutter buddies put in place.**
IMPACT TO STATE WATERS:	**none**

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

Signature

2-28-19

THE CITY OF NORFOLK
PUBLIC WORKS

3/1/2019

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

RE: VPDES Permit No. VA0088650
IR 196255

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Sewage on 2/26/2019 12:15:00 PM(36.83482641, -76.283994543). The description of the incident is as follows:

Sanitary sewer overflow discovered at 428 Clifton Street. City staff contacted the Utilities Department to report overflow. I re-inspected the site on 2/27/2019, and discovered that overflow had been stopped.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 2/26/2019 2:22 pm.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**196255**
REPORT DATE:	**3/1/2019 8:33:04 AM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Sewage**
LOCATION:	**ILLICIT DISCHARGE-Sewage 428 Clifton Street 428 Clifton Street 36.83482641, -76.283994543**
RESPONSIBLE PARTY:	**City of Norfolk-Utilities**
ADDRESS& PHONE:	**1316 Ballentine Blvd Norfolk, VA 757-823-1000**
DATE OF DISCHARGE:	**2/26/2019 12:15:00 PM**
DATE/TIME REPORTED:	**2/26/2019 14:22 pm**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online Prep**
DESCRIPTION OF DISCHARGE:	**Sanitary sewer overflow discovered at 428 Clifton Street. Contacted City of Norfolk Utilities Department to report overflow. Re-inspected the site on 2/27/2019, and discovered that overflow had been stopped.**
CORRECTIVE ACTION:	**City of Norfolk Utilities was notified and responded.**
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.

Chaise' Van Lear 3/1/19

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

3/4/2019

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

RE: VPDES Permit No. VA0088650
IR 197015

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Detergent son 3/1/2019 2:04 PM (36.8909977633, -76.268752586). The description of the incident is as follows:

City Staff noticed power washing occurring with detergents in street going towards the catch basin. Stopped and talked with Mr. Guerra about power washing. Blocked off storm drain, issued NOV and instructed to clean up detergent water suds and send pictures to City Staff when completed. All of detergent water was removed from pavement and catch basin.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 3/1/2019 3:08 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**197015**
REPORT DATE:	**3/4/2019 10:39:28 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Detergents**
LOCATION:	**ILLICIT DISCHARGE(Detergent)-1449 Waylon Ave 1449 WAYLON AVENUE 36.8909977633, -76.268752586**
RESPONSIBLE PARTY:	**Julio C. Gudiel Guerra**
ADDRESS& PHONE:	**818 Lex Street Norfolk, VA 23505 757-831-6046**
DATE OF DISCHARGE:	**3/1/2019 2:04:00 PM**
DATE/TIME REPORTED:	**3/1/2019 3:08:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online Prep**
DESCRIPTION OF DISCHARGE:	**City Staff noticed power washing occurring with detergents in street going towards the catch basin. Stopped and talked with Mr. Guerra about power washing. Blocked off storm drain, issued NOV and instructed to clean up suds and send pictures to City Staff when completed. All of detergent water was removed from pavement and catch basin.**
CORRECTIVE ACTION:	**Stopped and talked with Mr. Guerra about power washing. Blocked off storm drain, issued NOV and instructed to clean up suds and send pictures to City Staff when completed. All of detergent water was removed from pavement and catch basin.**
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.

Chelsi Van Lear — Signature

3/4/19 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

3/7/2019

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

RE: VPDES Permit No. VA0088650
IR 197755

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of latex paint on 3/5/2019 1:15:00 PM(36.9139564929254, -76.2694031455097). The description of the incident is as follows:

The event occurred in front of 7540 Yorktown Dr. and flowed to the basin at 7532 Yorktown Dr. A one gallon can of paint spilled in the street. A citizen tried to clean it up with a garden hose. The latex paint water was trapped in the storm basin.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 3/5/2019 1:55:00 PM.

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

Sincerely,

Peter Mack

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**197755**
REPORT DATE:	**3/7/2019 2:57:42 PM**
ESTIMATED QUANTITY:	**0 gals**
TYPE OF DISCHARGE:	**latex paint**
LOCATION:	**ILLICIT DISCHARGE Yorktown Dr. 1532 YORKTOWN DRIVE 36.9139564929254, -76.2694031455097**
RESPONSIBLE PARTY:	**unknown**
ADDRESS& PHONE:	**unknown**
DATE OF DISCHARGE:	**3/5/2019 1:15:00 PM**
DATE/TIME REPORTED:	**3/5/2019 1:55:00 PM**
REPORTED TO DEQ/DCR BY:	**Peter Mack**
REPORTED TO:	**TRO prep**
DESCRIPTION OF DISCHARGE:	**The event occurred in front of 7540 Yorktown Dr. and flowed to the basin at 7532 Yorktown Dr. A one gallon can of paint spilled in the street. A citizen tried to clean it up with a garden hose. The latex paint water was trapped in the storm basin.**
CORRECTIVE ACTION:	**Petro Chem was call out and they cleaned the spill with a vac-truck.**
IMPACT TO STATE WATERS:	**none**

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

Signature

3-7-19
Date

THE CITY OF
NORFOLK
PUBLIC WORKS

March 25, 2019

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

Re: VPDES Permit No. VA0088650
2nd Revised Cover Letter for Incident Report #196955 originally submitted on March 8, 2019

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of hydraulic fluid on March 1, 2019, at approximately 9:00 AM (36.917122387057, -76.27918285938). The description of the incident is as follows:

A City of Norfolk street sweeper had a hydraulic hose break while sweeping at approximately 9:00 am. An estimated volume of five gallons of hydraulic fluid was released along Newport Avenue from approximately 7610 to 7728 Newport Avenue, and there was a light rain during the incident. The sweeper operator stopped sweeping once they realized they had a leak and parked the sweeper so it could be towed to the maintenance shop. The stormwater catch basins by 7724 Newport Avenue were blocked with sand as quickly as possible.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on March 1, 2019, at approximately 11:05 AM.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

THE CITY OF
NORFOLK
PUBLIC WORKS

March 19, 2019

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

Re: VPDES Permit No. VA0088650
Revised Cover Letter for Incident Report #196955 originally submitted on March 8, 2019

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of hydraulic fluid on March 1, 2019, at approximately 9:00 AM (36.917122387057, -76.27918285938). The description of the incident is as follows:

A City of Norfolk street sweeper had a hydraulic hose break while sweeping at approximately 9:00 am. An estimated volume of five gallons of hydraulic fluid was released along Newport Avenue from approximately 7610 to 7728 Newport Avenue, and there was a light rain during the incident. The sweeper operator stopped sweeping once they realized they had a leak and parked the sweeper so it could be towed to the maintenance shop. The stormwater catch basins by 7724 Newport Avenue were blocked with sand as quickly as possible.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on May 1, 2019, at approximately 11:05 AM.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

THE CITY OF
NORFOLK
PUBLIC WORKS

August 6, 2018

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

Re: VPDES Permit No. VA0088650
IR 196955

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of hydraulic fluid on March 1, 2019, at approximately 9:00 AM (36.917122387057, -76.27918285938). The description of the incident is as follows:

A City of Norfolk street sweeper had a hydraulic hose break while sweeping at approximately 9:00 am. An estimated volume of five gallons of hydraulic fluid was released along Newport Avenue from approximately 7610 to 7728 Newport Avenue, and there was a light rain during the incident. The sweeper operator stopped sweeping once they realized they had a leak and parked the sweeper so it could be towed to the maintenance shop. The stormwater catch basins by 7724 Newport Avenue were blocked with sand as quickly as possible.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on May 1, 2019, at approximately 11:05 AM.

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

Respectfully,

Kyle B Quick

Kyle Quick, P.G.
Program Supervisor

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	196955
REPORT DATE:	3/8/2019 8:04:54 AM
ESTIMATED QUANTITY:	5 gals
TYPE OF DISCHARGE:	Hydraulic Fluid
LOCATION:	ILLICIT DISCHARGE - Sweeper Hydraulics 7724 Newport Ave 7724 NEWPORT AVENUE 36.917122387057, -76.27918285938
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk, Public Works, Stormwater Management 2233 McKann Ave., Norfolk, VA 23509 757-823-4089
DATE OF DISCHARGE:	3/1/2019 9:00:00 AM
DATE/TIME REPORTED:	3/1/2019 11:05:00 AM
REPORTED TO DEQ/DCR BY:	Kyle Quick
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	A City of Norfolk street sweeper had a hydraulic hose break while sweeping at approximately 9:00 am. An estimated volume of 5 gallons of hydraulic fluid was released along Newport Avenue from approximately 7610 to 7728 Newport Avenue, and there was a light rain during the incident. The sweeper operator stopped sweeping once they realized they had a leak and parked the sweeper so it could be towed to the maintenance shop. The stormwater catch basins by 7724 Newport Avenue were blocked with sand as quickly as possible.
CORRECTIVE ACTION:	Absorbent pads and booms were used to cleanup the spilled hydraulic oil along Newport Avenue. The volume of hydraulic oil that was released is unknown, but not all of the released material was able to be recovered due to weather conditions (i.e., rain during the spill). However, absorbent booms were installed where the stormwater system outfalls to a ditch behind 218 Bradford Ave.
IMPACT TO STATE WATERS:	unknown

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

Kyle B Quick
Signature

3/8/2019
Date

THE CITY OF NORFOLK
PUBLIC WORKS

3/14/2019

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

RE: VPDES Permit No. VA0088650
IR 198375

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 on 3/8/2019 9:00 AM (36.89161060412, -76.2570040577). The description of the incident is as follows:

Water line break in gutter pan.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 3/8/2019 2:35 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**198375**
REPORT DATE:	**3/14/2019 1:26:05 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**City water**
LOCATION:	**ILLICIT DISCHARGE-808-818 Norview Ave 808-818 NORVIEW AVENUE 36.89161060412, -76.2570040577**
RESPONSIBLE PARTY:	**David Speer (City of Norfolk-Department of Utilities)**
ADDRESS& PHONE:	**1316 Ballentine Blvd Norfolk, VA**
DATE OF DISCHARGE:	**3/8/2019 9:00 AM**
DATE/TIME REPORTED:	**3/8/2019 2:35 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**Water line break in gutter pan.**
CORRECTIVE ACTION:	**Referred to City of Norfolk Department of Utilities.**
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.

Chrisi VanLear 3/14/19

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

3/14/2019

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

RE: VPDES Permit No. VA0088650
IR 199455

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Diluted water and degrease ron 3/14/2019 8:34 AM(36.8950220176, -76.2229167552). The description of the incident is as follows:

Wendy's employees were seen washing off patio, and noticed small amount of suds in parking lot and gutter pan. Staff used a shop vac to clean suds and washwater.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 3/14/2019 2:21 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**199455**
REPORT DATE:	**3/14/2019 2:32:01 PM**
ESTIMATED QUANTITY:	**unknown**
TYPE OF DISCHARGE:	**Diluted water and degreaser**
LOCATION:	**ILLICIT DISCHARGE-6110 N. Military Highway 6110 N MILITARY HIGHWAY 36.8950220176, -76.2229167552**
RESPONSIBLE PARTY:	**Caroline Barnwell (Wendy's)**
ADDRESS& PHONE:	**6110 N. Military Highway Norfolk, VA 23518 860-392-9525**
DATE OF DISCHARGE:	**3/14/2019 8:34:00 AM**
DATE/TIME REPORTED:	**3/14/2019 2:21:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online Prep**
DESCRIPTION OF DISCHARGE:	**Wendy's employees were seen washing off patio, and noticed small amount of suds in parking lot and gutter pan. Staff used a shop vac to clean suds and washwater.**
CORRECTIVE ACTION:	**NOV was issued and staff used a shop vac to clean suds and washwater.**
IMPACT TO STATE WATERS:	**Lake Whitehurst**

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.

Alissi VanLear — Signature

3/14/19 — Date

THE CITY OF
NORFOLK
PUBLIC WORKS

March 27, 2019

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

Re: VPDES Permit No. VA0088650
Reference ID# 201275

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of contaminated storm water on March 26, 2019, at approximately 2pm. The description of the incident is as follows:

Resident at 2844 Illinois Avenue called the City to report that adjacent property, Mil-Spec Abrasives at 3306 Peterson Street, had broken their containment berm, allowing contaminated storm water to enter the City's storm water system and flood his property. The site was inspected, and an active illicit discharge was found. Due to repeat Notices of Violation at the facility, the property owner was issued a summons with a court date of April 9, 2019.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on March 26, 2019, at approximately 5:15pm.

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

Respectfully,

Casey Magruder

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	201275
REPORT DATE:	3/27/2019 9:22 AM
ESTIMATED QUANTITY:	Unknown (>500 gallons)
TYPE OF DISCHARGE:	Storm water contaminated with raw industrial materials
LOCATION:	ILLICIT DISCHARGE 3306 Peterson Street
RESPONSIBLE PARTY: ADDRESS& PHONE:	Mil-Spec Abrasives – Jim Miller 3306 Peterson Street, Norfolk, VA 23509 757-927-6699
DATE OF DISCHARGE:	3/26/2019 2:00 PM
DATE/TIME REPORTED:	3/26/2019 5:15 PM
REPORTED TO DEQ/DCR BY:	C. Magruder
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	Mil-Spec Abrasives at 3306 Peterson Street broke their perimeter containment berm and contaminated storm water entered City storm water system and flooded complainant's property.
CORRECTIVE ACTION:	Illicit discharge material was unable to be recovered. Berm was being reestablished and pumps were being brought in to contain remaining contaminated storm water to the site and pump all remaining water back onto the property. A summons was issued to the owner due to repeat violations. Court date set for April 9, 2019.
IMPACT TO STATE WATERS:	Lafayette River

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

Casey Magruder — Signature

3/27/19 — Date

VIRGINIA UNIFORM SUMMONS 710- 1824921

OFFICER'S COURT CODE _____

NORFOLK POLICE DEPARTMENT (PD 551 REV. 7-1-12)

HEARING DATE _____ CASE NO. _____

CASE DISPOSITION

- ☐ CONVICTED
- ☐ DISMISSED
- ☐ COMPLIED WITH LAW
- ☐ NOLLE PROSEQUI
- ☐ REDUCED
- ☐ NOLO CONTENDERE

I.D. #: _____
INCIDENT #: _____
ARRESTEE #: _____
TYPE OF ARREST: _____
WEAPONS AT ARREST: _____
TYPE OF CRIMINAL ACTIVITY: _____
DRUG TYPE: _____
MULT. CL. INDIC.: _____
ETHNICITY: _____
RESIDENCE: _____
DISPOSITION IF UNDER 18: _____
UCR OFFENSE CODE: _____

YOU ARE SUMMONED TO APPEAR IN THE CITY OF NORFOLK

☐ **General District Court TRAFFIC DIVISION - 150 St. Paul's Blvd., 23510**
☐ 1A, *664-4900 ☐ 1B, *664-4900

☒ **General District Court CRIMINAL DIVISION - 150 St. Paul's Blvd., 23510**
☒ 2C, *664-4900 ☐ 2B, *664-4900

☐ **Juvenile & Domestic Relations District Court**
800 E. City Hall Ave. 23510 *664-7340

ON 4/9, **20** 19 **AT** 9:00 ☒ **A.M.** ☐ **P.M.**
FOR VIOLATION OF ☐ STATE ☐ COUNTY ☐ CITY ☐ TOWN

LAW SECTION 41.1-4 City Code **DESCRIBE CHARGE:**
Pollution of the Storm water System

COMMERCIAL MOTOR VEHICLE	☐ YES	☐ NO
HAZARDOUS MATERIALS	☐ YES	☐ NO
RESULTED IN FATALITY	☐ YES	☐ NO
HIGHWAY SAFETY CORRIDOR	☐ YES	☐ NO

VCC:

I PROMISE TO APPEAR AT THE TIME AND PLACE SHOWN ABOVE. SIGNING THIS SUMMONS IS NOT AN ADMISSION OF GUILT. I CERTIFY THAT MY CURRENT MAILING ADDRESS IS AS SHOWN BELOW

X _____ SIGNATURE

YOU MUST APPEAR AT TRIAL (JUVENILES MUST APPEAR WITH PARENT/ LEGAL GUARDIAN).

☐ YOU MAY AVOID COMING TO COURT ONLY IF THIS BLOCK IS CHECKED AND ALL INSTRUCTIONS ON DEFENDANT'S COPY ARE FOLLOWED.

ONLY CALL ABOVE NUMBERS * IF MORE HELP IS NEEDED.

MAILING ADDRESS: ☐ SAME AS ABOVE AT RIGHT ☐ CHANGE FROM D.L. — P.O. BOX/STREET — CITY/TOWN — STATE — ZIP

NAME LAST	FIRST	MIDDLE
Miller,	James	Jacob

RES. ADDRESS	RES. JURIS.
264 Annapolis Cir	

CITY/TOWN	STATE	ZIP
Virginia Beach	VA	23451

RACE	SEX	D.O.B. MO.	DAY	YR.	HT. FT.	IN.	WGT.	EYES	HAIR
W	M	8	31	1151	6	0		BRO	BLO

DL/CDL # (IF CRIMINAL OFFENSE OR NO LICENSE, USE SSN): 080-54-7649 — STATE: VA
CDL HOLDER ☐ YES ☒ NO

VEH	YEAR	MAKE	TYPE	LICENSE NO.	YEAR	STATE
				A6116744 12	2017	VA

JURISDICTION OF OFFENSE	DATE OF OFFENSE	DAY OF WEEK	TIME A.M.	TIME P.M.
NORFOLK/710	8/20/19	Tues.		3:30

DIRECTION	ACCIDENT YES	ACCIDENT NO	WEATHER	ROUTE NUMBERS/STREET

LOCATION OF OFFENSE: 3200 block of Granby St

ARREST DATE	ARREST LOCATION
2/26/19	3200 block of Granby St

OFFICER	DUTY STA.	CODE/BADGE NO.
Miller	SW	1474

COMPLAINANT	NCIC CHECK ☐ YES	ADDRESS	FINGERPRINT ☐ YES BELOW

OFFICER'S COPY - PG. 4

VUS REV. 7-01-14

THE CITY OF NORFOLK
PUBLIC WORKS

4/11/2019

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

Re: VPDES Permit No. VA0088650
IR **202535**

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage on 4/8/2019 at 12:00 PM (36.883477, -76.251899).
The description of the incident is as follows:

Sanitary Sewer overflow from a private sewer line at Central Trailer Park.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 4/8/2019 3:00 pm.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO: VA0088650

INCIDENT NUMBER:	202535
REPORT DATE:	4/11/2019 1:20 PM
ESTIMATED QUANTITY:	UNKNOWN
TYPE OF DISCHARGE:	SEWAGE
LOCATION:	ILLICIT DISCHARGE-3584 ARGONNE AVE
	3584 ARGONNE AVE
	36.883477, -76.251899
RESPONSIBLE PARTY:	Marcus Richardson
ADDRESS AND PHONE:	3330 Atlantic Ave Virginia Beach, VA
	757-705-2454
DATE OF DISCHARGE:	4/8/2019 12:00 PM
DATE/TIME REPORTED:	4/8/2019 3:00 pm
REPORTED TO DEQ/DCR BY:	C.VANLEAR
REPORTED TO:	Online PREP

DESCRIPTION OF DISCHARGE: Sanitary Sewer overflow from a private sewer Line at Central Trailer Park. Lines were serviced, blockage remediated, and overflow stopped.

CORRECTIVE ACTION:	NOV ISSUED
IMPACT TO STATE WATER:	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 the 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 is 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.

Alissi VanLear — 4/11/19

Signature — Date

THE CITY OF
NORFOLK
PUBLIC WORKS

April 12, 2019

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

Re: VPDES Permit No. VA0088650
Reference ID# 202676

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of hydraulic fluid on April 9, 2019, at approximately 12:10pm. The description of the incident is as follows:

A City street sweeper blew a hydraulic line and spilled approximately 5 gallons of product into the street. It is estimated that 1 gallon of product entered the storm drain. City crews cleaned the street and were able to recover approximately ½ gallon of product from the storm drain. The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on April 9, 2019, at approximately 1:55pm.

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

Respectfully,

Casey Magruder

Casey Magruder
Environmental Program Administrator

Enclosure

cc: File

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

VPDES PERMIT NO. VA0088650

INCIDENT NO:	202676
REPORT DATE:	4/12/20198 @ 8am
ESTIMATED QUANTITY:	~5 gallons
TYPE OF DISCHARGE:	Hydraulic Fluid
LOCATION:	ILLICIT DISCHARGE 2976 Wolferton Street.
RESPONSIBLE PARTY: ADDRESS& PHONE:	City of Norfolk – Public Works Operations 2233 McKann Ave., Norfolk, VA 23509 757-823-4010
DATE OF DISCHARGE:	4/9/2019 @ 12:10pm
DATE/TIME REPORTED:	4/9/2019 @ 1:55pm
REPORTED TO DEQ/DCR BY:	C. Magruder
REPORTED TO:	Online PREP
DESCRIPTION OF DISCHARGE:	A City street sweeper blew a hydraulic line and spilled approximately 5 gallons of product into the street. It is estimated that 1 gallon of product entered the storm drain.
CORRECTIVE ACTION:	City crews cleaned the street and were able to recover approximately ½ gallon of product from the storm drain.
IMPACT TO STATE WATERS:	Eastern Branch 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

4/12/19
Date

THE CITY OF NORFOLK
PUBLIC WORKS

4/17/2019

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

Re: VPDES Permit No. VA0088650
IR 202816

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage on 4/10/2019 at 9:55 AM at 2731 Kimball Terrace (36.842299, -76.255775) .

The description of the incident is as follows:

Sediment laden water entered storm drain from a utilities project from Tidewater Utilities.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 4/10/2019 14:00 pm.

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

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO: VA0088650

INCIDENT NUMBER:	202816
REPORT DATE:	4/10/2019 14:00
ESTIMATED QUANTITY:	UNKNOWN
TYPE OF DISCHARGE:	SEDIMENT LADEN WATER
LOCATION:	ILLICIT DISCHARGE-2175 KIMBALL TERRACE
	2175 KIMBALL TERRACE
	36.842299, -76.255775
RESPONSIBLE PARTY:	TIDEWATER UTILITIES CONSTRUCTION
ADDRESS AND PHONE:	200 LUMMIS ROAD NORFOLK, VA 23434
	757-935-5899
DATE OF DISCHARGE:	4/10/2019 9:55 AM
DATE/TIME REPORTED:	4/10/2019 14:00
REPORTED TO DEQ/DCR BY:	C.VANLEAR
REPORTED TO:	Online PREP

DESCRIPTION OF DISCHARGE: SEDIMENT LADEN WATER ENTERED STORM DRAIN FROM AN UTILITIES PROJECT FROM TIDEWATER UTILITIES.

CORRECTIVE ACTION: NEW SEDIMENT BAG WAS USED AND MOVED FURTHER FROM INLET.

IMPACT TO STATE WATER: 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 the 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 is 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

4/17/19

Date

THE CITY OF NORFOLK
PUBLIC WORKS

4/26/2019

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

RE: VPDES Permit No. VA0088650
IR 203635

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of fire fighting remnants from a car fire on 4/16/2019 12:17 PM. The description of the incident is as follows:

Car fire that resulted in fire fighting remnants from extinguishing fire entering storm drain. Stormwater staff was notified after hours on 4/16/2019 and investigated on 4/17/2019.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 4/17/2019 3:01 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

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

THE CITY OF NORFOLK
PUBLIC WORKS

4/18/2019

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

Re: VPDES Permit No. VA0088650
IR **203635**

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sewage on 4/16/2019 at 12:17 PM (36.828798, -76.229731).
The description of the incident is as follows:
Car fire that resulted in fire fighting remnants from extinguishing fire entering storm drain. Stormwater staff was notified after hours on 4/16/2019 and investigated on 4/17/2019.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 4/17/2019 at 3:01 pm.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VanLear, Christina L

From: Matthew Fanghella <matthew.fanghella@deq.virginia.gov>
Sent: Friday, April 26, 2019 1:41 PM
To: VanLear, Christina L
Subject: RE: IR203635

*** This is an EXTERNAL email. Please exercise caution. ***

Thanks Chrisi, no worries!
Yes, if you could please update the 5-day letter and resend that would be great. I will enter the new version of the letter into the DEQ records, once I receive it. No rush, it can wait til next week if needed.

Thanks,
Matt

Matt Fanghella
Regional MS4 Coordinator
Virginia Department of Environmental Quality
Tidewater Regional Office
757-518-2013
matthew.fanghella@deq.virginia.gov

From: VanLear, Christina L <Christina.VanLear@norfolk.gov>
Sent: Friday, April 26, 2019 1:38 PM
To: matthew.fanghella@deq.virginia.gov
Subject: FW: IR203635

Hi Matt,
I apologize, it was a typo and should not have said sewage. This 5 day letter should have stated that what entered the storm drain was remnants from the car fire and fire fighting activities. Please let me know if I need to update the 5 day letter and resend to you for your records.

Thank you,

Chrisi VanLear
Environmental Specialist II

THE CITY OF NORFOLK
Department of Public Works
2233 McKann Avenue
Norfolk, Virginia 23510
757-823-4001
Christina.VanLear@norfolk.gov

Connect with us:
www.norfolk.gov

From: Whitehurst, June
Sent: Friday, April 26, 2019 1:33 PM
To: VanLear, Christina L <Christina.VanLear@norfolk.gov>
Subject: FW: IR203635

FYI

June Whitehurst
Environmental Programs Manager
THE CITY OF NORFOLK
Department of Public Works
2233 McKann Avenue
Norfolk, VA 23509
757-823-4005 | 757-651-1965 mobile

Connect with us:
www.norfolk.gov

From: Matthew Fanghella <matthew.fanghella@deq.virginia.gov>
Sent: Friday, April 26, 2019 1:31 PM
To: Whitehurst, June <June.Whitehurst@norfolk.gov>
Subject: FW: IR203635

*** This is an EXTERNAL email. Please exercise caution. ***

Hi June,

When you have a chance can you and Chrisi please review the attached 5-day letter you submitted to DEQ? In the letter it states there was an illicit discharge from sewage, but then discusses a car fire and remnants of firefighting activities? Wasn't sure if the sewage was a typo leftover from a form letter you all use or maybe the vehicle hit sewage infrastructure?

No rush on this (it can be next week) but just wanted to clarify we had the proper info prior to entering into DEQ system and filing.

Have a great weekend,
Matt

Matt Fanghella
Regional MS4 Coordinator
Virginia Department of Environmental Quality
Tidewater Regional Office
757-518-2013
matthew.fanghella@deq.virginia.gov

From: troscan@deq.virginia.gov <troscan@deq.virginia.gov>
Sent: Friday, April 26, 2019 1:27 PM
To: Matthew.fanghella@deq.virginia.gov
Subject: Message from KM_C368_FileRoom

VPDES PERMIT NO: VA0088650

INCIDENT NUMBER:	203635
REPORT DATE:	4/16/2019 12:17 PM
ESTIMATED QUANTITY:	UNKNOWN
TYPE OF DISCHARGE:	Remnants from a car fire
LOCATION:	ILLICIT DISCHARGE-4107 E LITTLE CREEK ROAD 4107 E LITTLE CREEK ROAD 36.828798, -76.229731
RESPONSIBLE PARTY:	NORFOLK POLICE DEPARTMENT/FIRE AND RESCUE
ADDRESS AND PHONE:	100 BROOKE AVE NORFOLK, VA 757-664-6600
DATE OF DISCHARGE:	4/16/2019 12:17 PM
DATE/TIME REPORTED:	4/17/2019 3:01 pm
REPORTED TO DEQ/DCR BY:	C.VANLEAR
REPORTED TO:	Online PREP

DESCRIPTION OF DISCHARGE: Car fire that resulted in fire fighting remnants from extinguishing fire entering storm drain. Stormwater staff was notified after hours on 4/16/2019 and investigated on 4/17/2019.

CORRECTIVE ACTION:	NONE
IMPACT TO STATE WATER:	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 the 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 is 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 VanDaer 4/18/19

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

04/29/2019

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

RE: VPDES Permit No. VA0088650
IR 204415

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of remnants from car fire on 4/25/2019 8:35 AM (36.85261, -76.19666). The description of the incident is as follows:

City Staff discovered a car fire that resulted in firefighting remnants from extinguishing fire entering storm drain that happened after hours. Hepaco was called in to provide remediation for spill.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 4/25/2019 2:00 PM.

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

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**204415**
REPORT DATE:	**4/29/2019 1:01:23 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Remnants from car fire**
LOCATION:	**ILLICIT DISCHARGE-820 Poplar Hall Drive 820 POPLAR HALL DRIVE 36.85261, -76.19666**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk/Fire and Rescue 100 Brooke Ave Norfolk, VA 757-664-6600**
DATE OF DISCHARGE:	**4/25/2019 8:35:00 AM**
DATE/TIME REPORTED:	**4/25/2019 2:00:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VANLEAR**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**City Staff discovered a car fire that resulted in firefighting remnants from extinguishing fire entering storm drain that happened after hours. Hepaco was called in to provide remediation for spill.**
CORRECTIVE ACTION:	**Hepaco was called in to provide remediation for spill.**
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.

Chrise VanLear — Signature

4/29/19 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

5/6/2019

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

RE: VPDES Permit No. VA0088650
IR 204718

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of noncontact cooling water on 4/30/2019 10:00 AM (-33.063, 134.647). The description of the incident is as follows:

City staff discovered flow in a storm drain and tested the water for chlorine and detergents, and neither were present. City staff spoke with the Maintenance Director of Harbor's Edge and was informed that it is the runoff of noncontact cooling water that is draining into the roof drains and into the inlet. City staff is still investigating this issue.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 4/30/2019 1:08 PM.

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

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**204718**
REPORT DATE:	**5/6/2019 2:44:15 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Noncontact cooling water**
LOCATION:	**ILLICIT DISCHARGE-1 Colley Ave 1 COLLEY AVENUE -33.063, 134.647**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**Stephen Seger (Harbor's Edge) 1 Colley Ave NorfolK, VA 757-616-7987**
DATE OF DISCHARGE:	**4/30/2019 10:00:00 AM**
DATE/TIME REPORTED:	**4/30/2019 1:08:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep**
DESCRIPTION OF DISCHARGE:	**City staff discovered flow in a storm drain. The water did not show chlorine or detergents present. Spoke with the Maintenance Director of Harbor's Edge and was informed that it is the runoff of noncontact cooling water that is draining into the roof drains and into the inlet. City staff is still investigating this issue.**
CORRECTIVE ACTION:	**City staff is still investigating this issue.**
IMPACT TO STATE WATERS:	**Yes**

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

Chrissi VanDeer 8/6/19

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

5/8/2019

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

RE: VPDES Permit No. VA0088650
IR 205458

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sediment laden water on 5/6/2019 8:50:00 AM (32.9693, -97.1102). The description of the incident is as follows:

TA Sheets was dewatering nearby and sediment laden water entered into storm drain from this utilities project. After speaking with the on site supervisor, inlet protection was installed.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/6/2019 3:12:00 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**205458**
REPORT DATE:	**5/8/2019 7:36:08 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment laden water**
LOCATION:	**ILLICIT DISCHARGE-2900 Kimball Terrace 2900 KIMBALL TERRACE 32.9693, -97.1102**
RESPONSIBLE PARTY:	**TA Sheets**
ADDRESS& PHONE:	**1128 Cooke Ave Norfolk, VA**
DATE OF DISCHARGE:	**5/6/2019 8:50:00 AM**
DATE/TIME REPORTED:	**5/6/2019 3:12:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**Sediment laden water entered into storm drain from nearby Utilities project. Inlet protection was installed.**
CORRECTIVE ACTION:	**Inlet protection was installed.**
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.

Chrissi VanLear
Signature

5/8/19
Date

THE CITY OF NORFOLK
PUBLIC WORKS

May 13, 2019

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

RE: VPDES Permit No. VA0088650
IR 205960

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sediment laden water on 5/10/2019 11:45 AM. The description of the incident is as follows:

City staff observed a Verizon duct run being rodded by K.B. Line. Sediment laden water dispersed into the street/gutter pan/and drop inlet nearby. City staff instructed contractor to turn off pump and to clean up the sediment left behind in the gutter pan.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/10/2019 2:09 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**205960**
REPORT DATE:	**5/13/2019 7:57:04 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment laden water**
LOCATION:	**ILLICIT DISCHARGE-703 W 35TH Street** **703 W 35TH STREET**
RESPONSIBLE PARTY:	**K.B. Line**
ADDRESS& PHONE:	**Unknown**
DATE OF DISCHARGE:	**5/10/2019 11:45:00 AM**
DATE/TIME REPORTED:	**5/10/2019 2:09:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**City staff observed a Verizon duct run being rodded by K.B. Line. Sediment laden water dispersed into the street/gutter pan/and drop inlet nearby. City staff instructed contractor to turn off pump and to clean up the sediment left behind in the gutter pan.**
CORRECTIVE ACTION:	**City staff instructed contractor to turn off pump and to clean up the sediment left behind in the gutter pan.**
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.

Chris VanLear 5/13/19

Signature Date

THE CITY OF NORFOLK
PUBLIC WORKS

6/6/2019

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

RE: VPDES Permit No. VA0088650
IR 207738

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of an unknown 5/30/2019 2:30:00 PM (36.929774, -76.310721). The description of the incident is as follows:

City staff received a complaint of an oil spill into the gutter pan at 505 Beechwood Ave. It was discovered that an unknown fluid leaked onto street, gutter pan, and into storm drain. The Waste Management Department was notified and determined that a City of Norfolk trash truck had picked up trash with an unknown substance, and once it was compacted, it leaked onto the street and into a nearby storm drain. The City hired a contractor to clean up the spill.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/30/2019 3:54:00 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VanLear, Christina L

From: VanLear, Christina L
Sent: Tuesday, July 09, 2019 12:43 PM
To: Matthew Fanghella
Subject: RE: IR Number?
Attachments: 20190709124159227.pdf

Good afternoon Matt,
Here is the updated report!!!

Have a great day!
Chrisi

From: Matthew Fanghella <matthew.fanghella@deq.virginia.gov>
Sent: Tuesday, July 09, 2019 10:08 AM
To: VanLear, Christina L <Christina.VanLear@norfolk.gov>
Subject: IR Number?

*** This is an EXTERNAL email. Please exercise caution. ***

Hi Chrisi,

Hope you had a Happy 4th!
When you get a chance can you please clarify the IR Number for this 5-day letter. In the cover letter the permit number was listed as the IR number? You can just update and send me a scanned copy, no need to mail another one.

Thanks,
Matt

Matt Fanghella
Regional MS4 Coordinator
Regional Safety Officer
Virginia Department of Environmental Quality
Tidewater Regional Office
757-518-2013
matthew.fanghella@deq.virginia.gov

From: troscan@deq.virginia.gov <troscan@deq.virginia.gov>
Sent: Tuesday, July 9, 2019 9:35 AM
To: Matthew.fanghella@deq.virginia.gov
Subject: Message from KM_C368_FileRoom

THE CITY OF NORFOLK
PUBLIC WORKS

6/6/2019

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

RE: VPDES Permit No. VA0088650
IR VA0088650

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of an unknown substance on 5/30/2019 2:30:00 PM (36.929774, -76.310721). The description of the incident is as follows:

City staff received a complaint of an oil spill into the gutter pan at 505 Beechwood Ave. It was discovered that an unknown fluid leaked onto street, gutter pan, and into storm drain. The Waste Management Department was notified and determined that a City of Norfolk trash truck had picked up trash with an unknown substance, and once it was compacted, it leaked onto the street and into a nearby storm drain. The City hired a contractor to clean up the spill.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 5/30/2019 3:54:00 PM.

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

Sincerely,

Chrisi VanLear

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**VA0088650**
REPORT DATE:	**6/6/2019 2:39:21 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Unknown**
LOCATION:	**ILLICIT DISCHARGE-338 Beechwood Ave 338 BEECHWOOD AVENUE 36.929774, -76.310721**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Waste Management 1176 Pineridge Road Norfolk, VA 23502 757-664-6510**
DATE OF DISCHARGE:	**5/30/2019 2:30:00 PM**
DATE/TIME REPORTED:	**5/30/2019 3:54:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep Line**
DESCRIPTION OF DISCHARGE:	**City staff received a complaint of an oil spill into the gutter pan at 505 Beechwood Ave. It was discovered that an unknown fluid leaked onto street, gutter pan, and into storm drain. The Waste Management Department was notified and determined that a City of Norfolk trash truck had picked up trash with an unknown substance, and once it was compacted, it leaked onto the street and into a nearby storm drain. The City hired a contractor to clean up the spill.**
CORRECTIVE ACTION:	**The City hired a contractor to clean up the spill.**
IMPACT TO STATE WATERS:	**Unknown**

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

Chrissi VanLear
Signature

6/6/2019
Date

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**207738**
REPORT DATE:	**6/6/2019 2:39:21 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Unknown**
LOCATION:	**ILLICIT DISCHARGE-338 Beechwood Ave 338 BEECHWOOD AVENUE 36.929774, -76.310721**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Waste Management 1176 Pineridge Road Norfolk, VA 23502 757-664-6510**
DATE OF DISCHARGE:	**5/30/2019 2:30:00 PM**
DATE/TIME REPORTED:	**5/30/2019 3:54:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep Line**
DESCRIPTION OF DISCHARGE:	**City staff received a complaint of an oil spill into the gutter pan at 505 Beechwood Ave. It was discovered that an unknown fluid leaked onto street, gutter pan, and into storm drain. The Waste Management Department was notified and determined that a City of Norfolk trash truck had picked up trash with an unknown substance, and once it was compacted, it leaked onto the street and into a nearby storm drain. The City hired a contractor to clean up the spill.**
CORRECTIVE ACTION:	**The City hired a contractor to clean up the spill.**
IMPACT TO STATE WATERS:	**Unknown**

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

Christy VanLear 7/9/19

Date Signature

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**207738**
REPORT DATE:	**6/6/2019 2:39:21 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Unknown**
LOCATION:	**ILLICIT DISCHARGE-338 Beechwood Ave 338 BEECHWOOD AVENUE 36.929774, -76.310721**
RESPONSIBLE PARTY:	**City of Norfolk Waste Management**
ADDRESS& PHONE:	**1176 Pineridge Road Norfolk, VA 23502 757-664-6510**
DATE OF DISCHARGE:	**5/30/2019 2:30:00 PM**
DATE/TIME REPORTED:	**5/30/2019 3:54:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**TRO Prep Line**
DESCRIPTION OF DISCHARGE:	**City staff received a complaint of an oil spill into the gutter pan at 505 Beechwood Ave. It was discovered that an unknown fluid leaked onto street, gutter pan, and into storm drain. The Waste Management Department was notified and determined that a City of Norfolk trash truck had picked up trash with an unknown substance, and once it was compacted, it leaked onto the street and into a nearby storm drain. The City hired a contractor to clean up the spill.**
CORRECTIVE ACTION:	**The City hired a contractor to clean up the spill.**
IMPACT TO STATE WATERS:	**Unknown**

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

Signature

6/17/19
Date

6-13-2019

7/9/2019

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

RE: VPDES Permit No. VA0088650
IR 291200

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 6/13/2019 1:00:00 AM (36.8740956338528, -76.2499477424202). The description of the incident is as follows:

Small amount of diesel fuel hit the ground (street) when the filling nozzle didn't shut off completely. Ground spill to the drop inlet. Drop inlet was clogged so no measurable impact to aquatic life.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/14/2019 8:41:00 AM.

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

Sincerely,

Peter Mack

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**291200**
REPORT DATE:	**7/9/2019 1:22:07 PM**
ESTIMATED QUANTITY:	**0 gals**
TYPE OF DISCHARGE:	**DIESEL FUEL**
LOCATION:	**FUEL SPILL ARIZONA AVE 3002 ARIZONA AVENUE 36.8740956338528, -76.2499477424202**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**American Road Markings 3002 Arizona Ave**
DATE OF DISCHARGE:	**6/13/2019 1:00:00 AM**
DATE/TIME REPORTED:	**6/14/2019 8:41:00 AM**
REPORTED TO DEQ/DCR BY:	**Peter Mack**
REPORTED TO:	**TRO prep**
DESCRIPTION OF DISCHARGE:	**SMALL AMOUNT OF DIESEL FUEL HIT THE GROUND(STREET) WHEN THE FILLING NOZZLE DIDN'T SHUT OFF COMPLETELY. GROUND SPILL TO THE DROP INLET. DROP INLET WAS CLOGGED SO NO MEASURABLE IMPACT TO AQUATIC LIFE.**
CORRECTIVE ACTION:	**American Road Markings cleaned the street and the drop inlet after the had the nozzle repaired. Forgot to do five day letter before I went out on leave. My apologizes.**
IMPACT TO STATE WATERS:	**Virginia**

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

Signature

7-9-2019

Date

THE CITY OF NORFOLK
PUBLIC WORKS

6/17/2019

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

RE: VPDES Permit No. VA0088650
IR 291198

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sediment laden water on 6/13/2019 9:40:00 AM (34.394275, -90.096481). The description of the incident is as follows:

Utilities maintenance work was dewatering sediment laden water into the gutter pan and nearby DI. Spoke with Deshawn from Utilities, and pump was turned off, a filtering bag was added, and the gutter pan cleared of sediment.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/14/2019 7:20:00 AM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**291198**
REPORT DATE:	**6/17/2019 2:45:45 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment laden water**
LOCATION:	**ILLICIT DISCHARGE-2126 Ballentine Blvd 2126 BALLENTINE BOULEVARD 34.394275, -90.096481**
RESPONSIBLE PARTY:	**City of Norfolk Utilities**
ADDRESS& PHONE:	**1316 Ballentine Blvd Norfolk, VA 757-823-1000**
DATE OF DISCHARGE:	**6/13/2019 9:40:00 AM**
DATE/TIME REPORTED:	**6/14/2019 7:20:00 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online Prep**
DESCRIPTION OF DISCHARGE:	**Utilities maintenance work was dewatering sediment laden water into the gutter pan and nearby DI. Spoke with Deshawn from Utilities, and pump was turned off, a filtering bag was added, and the gutter pan cleared of sediment.**
CORRECTIVE ACTION:	**Spoke with Deshawn from Utilities, and pump was turned off, a filtering bag was added, and the gutter pan cleared of sediment.**
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.

Chriss VanLear — Signature

6/17/19 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

6/24/2019

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

RE: VPDES Permit No. VA0088650
IR 291245

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of sediment laden water on 6/18/2019 2:45:00 PM (40.786396, -72.944211). The description of the incident is as follows:

City staff found water gushing down road and into nearby storm drains. After speaking to City Utilities Department, it was determined that a water main break had occurred. The water main break led to a large release of sediment laden water. Utilities staff arrived on scene to fix the damaged pipe.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/18/2019 3:49:00 PM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**291245**
REPORT DATE:	**6/24/2019 3:06:04 PM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Sediment laden water**
LOCATION:	**ILLICIT DISCHARGE-900 Walker Ave 900 WALKER AVENUE 40.786396, -72.944211**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Utilities Department 1316 Ballentine Blvd Norfolk, VA 757-823-1000**
DATE OF DISCHARGE:	**6/18/2019 2:45:00 PM**
DATE/TIME REPORTED:	**6/18/2019 3:49:00 PM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**City staff found water gushing down road and into nearby storm drains. After speaking to City Utilities Department, it was determined that a water main break had occurred. The water main break led to a large release of sediment laden water. Utilities staff arrived on scene to fix the damaged pipe.**
CORRECTIVE ACTION:	**Utilities staff arrived on scene to fix the damaged pipe.**
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

6/24/19

Date

THE CITY OF NORFOLK
PUBLIC WORKS

7/1/2019

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

RE: VPDES Permit No. VA0088650
IR 291332

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of wash water (soap) on 6/25/2019 11:15:00 AM (36.87849, -76.2503). The description of the incident is as follows:

George's Seafood was pressure washing seafood trucks and wash racks/bins in a nearby parking lot that drained to nearby storm drain. Addressed issue with manager on duty and issued NOV. Parking lot and nearby storm drain were vacuumed.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/26/2019 10:32:00 AM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**291332**
REPORT DATE:	**7/1/2019 8:21:24 AM**
ESTIMATED QUANTITY:	**Unknown**
TYPE OF DISCHARGE:	**Wash water (soap)**
LOCATION:	**ILLICIT DISCHARGE-3347 Chesapeake Blvd 3347 CHESAPEAKE BOULEVARD 36.87849, -76.2503**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**George's Seafood 3347 Chesapeake Blvd Norfolk, VA**
DATE OF DISCHARGE:	**6/25/2019 11:15:00 AM**
DATE/TIME REPORTED:	**6/26/2019 10:32:00 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**George's Seafood was pressure washing seafood trucks and wash racks/bins in parking lot that drained to nearby storm drain. Addressed issue with manager on duty and issued NOV. Parking lot and nearby storm drain were vacuumed.**
CORRECTIVE ACTION:	**Addressed issue with manager on duty and issued NOV. Parking lot and nearby storm drain were vacuumed.**
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.

Chrissi VanLear — Signature

7/1/19 — Date

THE CITY OF NORFOLK
PUBLIC WORKS

7/1/2019

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

RE: VPDES Permit No. VA0088650
IR 291347

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of hydraulic fluid on 6/28/2019 6:45:00 AM (36.86111, -76.24966). The description of the incident is as follows:

City truck # 3763 had a busted hydraulic line. Approximately 5 gallons entered into the storm drain, with 10-15 gallons on the ground. Petrochem was notified and provided spill response.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/28/2019 7:51:00 AM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**291347**
REPORT DATE:	**7/1/2019 9:44:17 AM**
ESTIMATED QUANTITY:	**15 gals**
TYPE OF DISCHARGE:	**Hydraulic fluid**
LOCATION:	**ILLICIT DISCHARGE-2126 Ballentine Blvd 2126 BALLENTINE BOULEVARD 36.86111, -76.24966**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Public Works (Kyle Quick) 2233 McKann Ave Norfolk, VA**
DATE OF DISCHARGE:	**6/28/2019 6:45:00 AM**
DATE/TIME REPORTED:	**6/28/2019 7:51:00 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**City truck # 3763 had a busted hydraulic line. Approximately 5 gallons entered into storm drain, with 10-15 gallons on the ground. Petrochem was notified to provide spill response.**
CORRECTIVE ACTION:	**Petrochem provided spill response.**
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

7/1/19
Date

THE CITY OF NORFOLK
PUBLIC WORKS

7/1/2019

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

RE: VPDES Permit No. VA0088650
IR 291349

Dear Sir or Madam:

In accordance with the reporting requirements for the referenced permit, be advised that there was an illicit discharge of Hydraulic fluid on 6/28/2019 7:00:00 AM (36.86111, -76.24966). The description of the incident is as follows:

A City of Norfolk street sweeper busted a hydraulic line when responding to spill from pollution Incident Report #291347. Approximately 5 gallons entered into storm drain but was contained due to blockage in drain. Petrochem was notified to provide spill response.

The enclosed documents outline the relevant information. The discharge was reported to the DEQ Tidewater Regional Office on 6/28/2019 8:07:00 AM.

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

Sincerely,

Chrisi VanLear
Environmental Specialist II

Enclosures

cc: File

VPDES PERMIT NO. VA0088650

INCIDENT NO:	**291349**
REPORT DATE:	**7/1/2019 10:00:08 AM**
ESTIMATED QUANTITY:	**5 gals**
TYPE OF DISCHARGE:	**Hydraulic fluid**
LOCATION:	**ILLICIT DISCHARGE-2126 Ballentine Blvd 2126 BALLENTINE BOULEVARD 36.86111, -76.24966**
RESPONSIBLE PARTY: ADDRESS& PHONE:	**City of Norfolk Public Works (Kyle Quick) 2233 McKann Ave Norfolk, VA**
DATE OF DISCHARGE:	**6/28/2019 7:00:00 AM**
DATE/TIME REPORTED:	**6/28/2019 8:07:00 AM**
REPORTED TO DEQ/DCR BY:	**C.VanLear**
REPORTED TO:	**Online PREP**
DESCRIPTION OF DISCHARGE:	**A City of Norfolk street sweeper busted a hydraulic line when responding to spill from pollution Incident Report #291347. Approximately 5 gallons entered into storm drain, but was contained due to blockage in drain. Petrochem was notified to provide spill response.**
CORRECTIVE ACTION:	**Petrochem provided spill response.**
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.

Chrise VanLear 7/1/19

Signature Date

SSORS ID:	105246	**Reported:**	08/16/18 2:13 PM	**Amount Spilled:**	150 Gallons
DEQ IR #:	SSORS#2019-T-105246	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	08/21/18 8:34 AM	**Reaching State Waters:**	150 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	08/13/18 2:30 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	08/13/18 5:20 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	08/16/18 2:13 PM	**Spill Duration:**	2 hour(s) 50 minute(s)
Site Name:	119 Louisiana Dr			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
Sewer system blockage adjacent to 100 block of Louisiana Dr caused by grease and debris. Jetted and cleared blockage.

Possible Receptors
LaFayette River

Description of Materials
Sewage

Corrective Action
cleaned up and disinfected area
-----August 16, 2018 02:13 PM-----

DEQ Comments (Reviewed 8/21/2018 8:34:59 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105247	**Reported:**	08/16/18 3:23 PM	**Amount Spilled:**	150 Gallons
DEQ IR #:	SSORS#2019-T-105247	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	08/21/18 8:35 AM	**Reaching State Waters:**	150 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	08/15/18 9:30 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	08/15/18 10:15 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	08/16/18 3:23 PM	**Spill Duration:**	0 hour(s) 45 minute(s)
Site Name:	9648 13th View St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
Partial collapse of pipe and grease and debris in the 9600 block of 13th View St caused a sewer blockage and an overflow

Possible Receptors
Chesapeake Bay

Description of Materials
Sewage

Corrective Action
Cleaned up and disinfected area
-----August 16, 2018 03:23 PM-----

DEQ Comments (Reviewed 8/21/2018 8:35:34 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105254	**Reported:**	08/31/18 2:21 PM	**Amount Spilled:**	100 Gallons
DEQ IR #:	SSORS#2019-T-105254	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	09/04/18 2:30 PM	**Reaching State Waters:**	100 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	08/29/18 10:35 AM

Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	08/29/18 11:30 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	08/31/18 2:21 PM	**Spill Duration:**	0 hour(s) 55 minute(s)
Site Name:	150 Boush St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
Sewer blockage caused an overflow that was broken and area cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
Broke stoppage and cleaned up area
-----August 31, 2018 02:21 PM-----

DEQ Comments (Reviewed 9/4/2018 2:30:30 PM by John Settle)

None.

Attachments

None.

SSORS ID:	105255	**Reported:**	08/31/18 2:25 PM	**Amount Spilled:**	400 Gallons
DEQ IR #:	SSORS#2019-T-105255	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	09/04/18 2:48 PM	**Reaching State Waters:**	400 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Speer	**Spill Date:**	08/30/18 12:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**	08/31/18 2:22 PM	**Date Under Control:**	08/31/18 5:28 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	09/04/18 2:48 PM	**Spill Duration:**	29 hour(s) 28 minute (s)
Site Name:	1414 Magnolia Ave			**SSO Classification:**	Damage By Others
Cordinates:					

Description Of Incident
Force main pipe damaged by a backhoe.

Possible Receptors
LaFayette River

Description of Materials
Sewage

Corrective Action
Will repair pipe - ongoing, pipe not repaired yet
-----August 31, 2018 02:25 PM-----

DEQ Comments (Reviewed 9/4/2018 2:30:48 PM by John Settle)

None.

Attachments

None.

SSORS ID:	105271	**Reported:**	10/08/18 4:08 PM	**Amount Spilled:**	314 Gallons
DEQ IR #:	SSORS#2019-T-105271	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	10/11/18 3:31 PM	**Reaching State Waters:**	314 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	10/08/18 11:45 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/08/18 1:45 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/08/18 4:08 PM	**Spill Duration:**	2 hour(s) 0 minute(s)
Site Name:	1516 e. Princess Anne Rd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A grease stoppage occurred and caused a sewer overflow to occur. The stoppage was broken and area cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
Broke the stoppage and cleaned up the area as much as able.
-----October 8, 2018 04:08 PM-----

DEQ Comments (Reviewed 10/11/2018 3:31:05 PM by John Settle)

None.

Attachments

None.

SSORS ID:	105281	**Reported:**	10/24/18 11:50 AM	**Amount Spilled:**	500 Gallons
DEQ IR #:	SSORS#2019-T-105281	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	11/14/18 9:31 AM	**Reaching State Waters:**	500 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	10/13/18 12:23 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/13/18 1:18 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/24/18 11:50 AM	**Spill Duration:**	0 hour(s) 55 minute(s)
Site Name:	403 Granby St			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
Grease in the sewer main caused a stoppage that resulted in an overflow. The stoppage was broken and the area cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
Broke stoppage and cleaned up area. Originally considered non-reportable but subsequent investigation showed it to be reportable.
-----October 24, 2018 11:50 AM-----

DEQ Comments (Reviewed 11/14/2018 9:31:28 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105283	**Reported:**	10/29/18 4:42 PM	**Amount Spilled:**	5 Gallons
DEQ IR #:	SSORS#2019-T-105283	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	11/14/18 9:32 AM	**Reaching State Waters:**	5 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	10/29/18 3:40 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	10/29/18 3:47 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	10/29/18 4:42 PM	**Spill Duration:**	0 hour(s) 7 minute(s)
Site Name:	1418 Lead St			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage caused an overflow. The vactor/jet truck broke the stoppage and cleaned up the area.

Possible Receptors

LaFayette River

Description of Materials
Sewage

Corrective Action
The stoppage was broken and the area cleaned up.
-----October 29, 2018 04:42 PM-----

DEQ Comments (Reviewed 11/14/2018 9:32:52 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105285	**Reported:**	11/05/18 11:03 AM	**Amount Spilled:**	24 Gallons
DEQ IR #:	SSORS#2019-T-105285	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	11/14/18 9:33 AM	**Reaching State Waters:**	24 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	11/02/18 2:19 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	11/02/18 3:45 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	11/05/18 11:03 AM	**Spill Duration:**	1 hour(s) 26 minute(s)
Site Name:	243 Glendale Ave			**SSO Classification:**	Maintenance-Roots
Cordinates:					

Description Of Incident
Stoppage in a lateral caused an overflow which was broken and cleaned up

Possible Receptors

Elizabeth River

Description of Materials
Sewage

Corrective Action
Broken the stoppage with rods and cleaned up the area
-----November 5, 2018 11:03 AM-----

DEQ Comments (Reviewed 11/14/2018 9:33:47 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105304	**Reported:**	11/27/18 11:45 AM	**Amount Spilled:**	30 Gallons
DEQ IR #:	SSORS#2019-T-105304	**Reported by:**	David Speer	**Amount Recovered:**	10 Gallons
Asset ID:		**Lasted Edited**	12/06/18 11:03 AM	**Reaching State Waters:**	20 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	11/26/18 2:55 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	11/26/18 3:40 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	11/27/18 11:45 AM	**Spill Duration:**	0 hour(s) 45 minute(s)
Site Name:	6667 Virginia Beach Blvd			**SSO Classification:**	Maintenance-Debris
Cordinates:					

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

Possible Receptors

Elizabeth River

Description of Materials
Sewage

Corrective Action

Broke the stoppage and cleaned up the overflow. Some flowed into a storm drain catch basin.
-----November 27, 2018 11:45 AM-----

DEQ Comments (Reviewed 12/6/2018 11:03:47 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105308	**Reported:**	12/05/18 4:33 PM	**Amount Spilled:**	50 Gallons
DEQ IR #:	SSORS#2019-T-105308	**Reported by:**	David Speer	**Amount Recovered:**	15 Gallons
Asset ID:		**Lasted Edited**	12/06/18 11:05 AM	**Reaching State Waters:**	35 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	12/04/18 1:42 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/04/18 2:16 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/05/18 4:33 PM	**Spill Duration:**	0 hour(s) 34 minute(s)
Site Name:	1432 Modoc Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
Blockage in a sewer main caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors

Chesapeake Bay

Description of Materials
Sewage

Corrective Action
The stoppage was broken and the area cleaned up.
-----December 5, 2018 04:33 PM-----

DEQ Comments (Reviewed 12/6/2018 11:05:32 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105309	**Reported:**	12/05/18 4:37 PM	**Amount Spilled:**	40 Gallons
DEQ IR #:	SSORS#2019-T-105309	**Reported by:**	David Speer	**Amount Recovered:**	30 Gallons
Asset ID:		**Lasted Edited**	12/06/18 11:06 AM	**Reaching State Waters:**	10 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	12/04/18 5:42 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/04/18 5:55 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/05/18 4:37 PM	**Spill Duration:**	0 hour(s) 13 minute(s)
Site Name:	411 Granby St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
Line blockage occurred and caused an overflow. The blockage was broken and the area was cleaned up.

Possible Receptors

Elizabeth River

Description of Materials
Sewage

Corrective Action
Blockage was brokena dn area cleaned up.
-----December 5, 2018 04:37 PM-----

DEQ Comments (Reviewed 12/6/2018 11:06:10 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105310	**Reported:**	12/05/18 4:42 PM	**Amount Spilled:**	750 Gallons
DEQ IR #:	SSORS#2019-T-105310	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	12/06/18 11:06 AM	**Reaching State Waters:**	750 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	08/14/18 11:16 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	08/21/18 3:28 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/05/18 4:42 PM	**Spill Duration:**	172 hour(s) 12 minute (s)
Site Name:	1020 Sunset Drive			**SSO Classification:**	Damage By Others
Cordinates:					

Description Of Incident

Contractor damaged a force main air vent that leaked and flowed into storm drain

Possible Receptors

Chesapeake Bay

Description of Materials

Sewage

Corrective Action

The overflow was routed away from the storm drain pipe when discovered. The contractor repaired the force main air vent.
-----December 5, 2018 04:42 PM-----

DEQ Comments (Reviewed 12/6/2018 11:06:38 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105316	**Reported:**	12/12/18 4:08 PM	**Amount Spilled:**	250 Gallons
DEQ IR #:	SSORS#2019-T-105316	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/02/19 11:02 AM	**Reaching State Waters:**	250 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	12/11/18 2:25 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/11/18 4:55 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/12/18 4:08 PM	**Spill Duration:**	2 hour(s) 30 minute(s)
Site Name:	100 E. Main St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

Grease caused a blockage and an overflow occurred. The blockage was broken and the area cleaned up.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

Broke the blockage and cleaned up the area
-----December 12, 2018 04:08 PM-----

DEQ Comments (Reviewed 1/2/2019 11:02:19 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105317	**Reported:**	12/14/18 4:40 PM	**Amount Spilled:**	687 Gallons

DEQ IR #:	SSORS#2019-T-105317	**Reported by:**	David Speer	**Amount Recovered:**	50 Gallons
Asset ID:		**Lasted Edited**	01/02/19 11:03 AM	**Reaching State Waters:**	637 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	12/14/18 9:35 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	12/14/18 10:45 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	12/14/18 4:40 PM	**Spill Duration:**	1 hour(s) 10 minute(s)
Site Name:	2824 Bayne Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

Mainline stoppage occurred which overflowed into storm drain system on Bayne Ave. Broke stoppage and cleaned up area

Possible Receptors

Lafayette River

Description of Materials

Sewage

Corrective Action

Broke stoppage and cleaned up area
-----December 14, 2018 04:40 PM-----

DEQ Comments (Reviewed 1/2/2019 11:03:19 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105342	**Reported:**	01/11/19 4:30 PM	**Amount Spilled:**	250 Gallons
DEQ IR #:	SSORS#2019-T-105342	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	01/23/19 8:39 AM	**Reaching State Waters:**	250 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	01/08/19 9:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/09/19 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/11/19 4:30 PM	**Spill Duration:**	26 hour(s) 0 minute(s)
Site Name:	9100 Pinedale St			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

A blockage occurred in a house lateral that was broken. Before it was broken sewage overflowed into the storm drain system.

Possible Receptors

Chesapeake Bay

Description of Materials

Sewage

Corrective Action

The stoppage was broken.
-----January 11, 2019 04:30 PM-----

DEQ Comments (Reviewed 1/23/2019 8:39:35 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105351	**Reported:**	01/22/19 4:45 PM	**Amount Spilled:**	779 Gallons
DEQ IR #:	SSORS#2019-T-105351	**Reported by:**	David Speer	**Amount Recovered:**	30 Gallons
Asset ID:		**Lasted Edited**	01/23/19 8:34 AM	**Reaching State Waters:**	749 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	01/22/19 10:01 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/22/19 12:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/22/19 4:45 PM	**Spill Duration:**	1 hour(s) 59 minute(s)

Site Name: 1000 E. City Hall Ave
SSO Classification: Maintenance-Grease
Cordinates:

Description Of Incident
Stoppage caused overflow at 1000 E. City Hall Ave. Broke stoppage and cleaned up area

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
Broke stoppage and cleaned up area
-----January 22, 2019 04:45 PM-----

DEQ Comments (Reviewed 1/23/2019 8:34:05 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105357	**Reported:**	01/23/19 4:49 PM	**Amount Spilled:**	30 Gallons
DEQ IR #:	SSORS#2019-T-105357	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	02/11/19 7:35 AM	**Reaching State Waters:**	30 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	01/22/19 7:40 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	01/22/19 8:10 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	01/23/19 4:49 PM	**Spill Duration:**	0 hour(s) 30 minute(s)
Site Name:	532 Timothy Ave			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A stoppage caused an overflow at 532 Timothy Ave. The stoppage was broken and area cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
The stoppage was broken and the area cleaned up.
-----January 23, 2019 04:49 PM-----

DEQ Comments (Reviewed 2/11/2019 7:35:59 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105364	**Reported:**	02/04/19 2:21 PM	**Amount Spilled:**	100 Gallons
DEQ IR #:	SSORS#2019-T-105364	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	02/11/19 7:39 AM	**Reaching State Waters:**	100 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	02/01/19 9:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	02/01/19 11:00 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	02/04/19 2:21 PM	**Spill Duration:**	1 hour(s) 30 minute(s)
Site Name:	278 Tazewell St			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident
A blockage occurred along Tazewell St that caused an overflow in front of 278 Tazewell St

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

Broke the stoppage and cleaned up the area
-----February 4, 2019 02:21 PM-----

DEQ Comments (Reviewed 2/11/2019 7:39:05 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105380	**Reported:**	02/27/19 5:13 PM	**Amount Spilled:**	900 Gallons
DEQ IR #:	SSORS#2019-T-105380	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	03/07/19 1:35 PM	**Reaching State Waters:**	900 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	02/23/19 7:00 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	02/26/19 6:40 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	02/27/19 5:13 PM	**Spill Duration:**	83 hour(s) 40 minute (s)
Site Name:	316 Poplar Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

Blockage created an overflow. When the City was notified the blockage was broken and the area cleaned up.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

Cleared the blockage and cleaned up the area
-----February 27, 2019 05:13 PM-----

DEQ Comments (Reviewed 3/7/2019 1:35:35 PM by John Settle)

None.

Attachments

None.

SSORS ID:	105381	**Reported:**	02/27/19 5:17 PM	**Amount Spilled:**	100 Gallons
DEQ IR #:	SSORS#2019-T-105381	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	03/07/19 1:36 PM	**Reaching State Waters:**	100 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	02/26/19 1:28 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	02/26/19 6:40 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	02/27/19 5:17 PM	**Spill Duration:**	5 hour(s) 12 minute(s)
Site Name:	1115 E. Indian River			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

A system sewage blockage caused it to flow out of manholes. The blockage was cleared and the area cleaned up.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

Broke the stoppage and cleaned up the area.
-----February 27, 2019 05:17 PM-----

DEQ Comments (Reviewed 3/7/2019 1:36:00 PM by John Settle)

None.

Attachments

None.

SSORS ID:	105406	**Reported:**	04/29/19 1:44 PM	**Amount Spilled:**	20 Gallons
DEQ IR #:	SSORS#2019-T-105406	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	04/30/19 8:44 AM	**Reaching State Waters:**	20 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	04/05/19 8:33 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	04/05/19 9:05 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	04/29/19 1:44 PM	**Spill Duration:**	0 hour(s) 32 minute(s)
Site Name:	2655 Tidewater Dr			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

Reported initially when SSORS was down. Sewer blockage caused an overflow at a cleanout box. The blockage was cleared and the area cleaned up.

Possible Receptors

LaFayette River

Description of Materials

Sewage

Corrective Action

Broke stoppage and cleaned up area
-----April 29, 2019 01:44 PM-----

DEQ Comments (Reviewed 4/30/2019 8:44:25 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105407	**Reported:**	04/29/19 1:50 PM	**Amount Spilled:**	50 Gallons
DEQ IR #:	SSORS#2019-T-105407	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	04/30/19 8:45 AM	**Reaching State Waters:**	50 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	04/09/19 1:57 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	04/09/19 4:10 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	04/29/19 1:51 PM	**Spill Duration:**	2 hour(s) 13 minute(s)
Site Name:	1556 Birch St			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

Initially thought to be non-reportable. Initially reported when SSORS was down. Sewer blockage caused an overflow out of a cleanout box. The blockage was cleared and the area cleaned up.

Possible Receptors

LaFayette River

Description of Materials

Sewage

Corrective Action

Broke the stoppage and cleaned up the area.
-----April 29, 2019 01:50 PM-----

DEQ Comments (Reviewed 4/30/2019 8:45:20 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105408	**Reported:**	04/29/19 2:16 PM	**Amount Spilled:**	50 Gallons
DEQ IR #:	SSORS#2019-T-105408	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	04/30/19 8:46 AM	**Reaching State Waters:**	50 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	04/26/19 10:30 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	04/26/19 1:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	04/29/19 2:16 PM	**Spill Duration:**	2 hour(s) 30 minute(s)
Site Name:	1300 Block of Andes Ct			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

Sewer stoppage caused sewage to overflow out of a cleanout. Broke stoppage and cleaned up area. Overlfow had stopped by the time the technician responded.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

Broke the stoppage and cleaned up area.
-----April 29, 2019 02:16 PM-----

DEQ Comments (Reviewed 4/30/2019 8:46:12 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105409	**Reported:**	04/29/19 3:01 PM	**Amount Spilled:**	80 Gallons
DEQ IR #:	SSORS#2019-T-105409	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	04/30/19 8:46 AM	**Reaching State Waters:**	80 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	04/05/19 1:42 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	04/05/19 4:05 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	04/29/19 3:01 PM	**Spill Duration:**	2 hour(s) 23 minute(s)
Site Name:	7554/7530 Yorktown Dr			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

Sewer system blockage caused an overflow at a cleanout box. The blockage was cleared and the area cleaned up.

Possible Receptors

LaFayette River

Description of Materials

Sewage

Corrective Action

Cleared blockage and cleaned up area
-----April 29, 2019 03:01 PM-----

DEQ Comments (Reviewed 4/30/2019 8:46:38 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105413	**Reported:**	05/07/19 4:09 PM	**Amount Spilled:**	30 Gallons
DEQ IR #:	SSORS#2019-T-105413	**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/08/19 8:35 AM	**Reaching State Waters:**	30 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	John Settle	**Spill Date:**	05/06/19 4:19 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/06/19 4:40 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/07/19 4:09 PM	**Spill Duration:**	0 hour(s) 21 minute(s)
Site Name:	Salter Rd & Va Beach Blvd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

Blockage occurred which caused an overflow. The blockage was broken and the area cleaned up.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

Broke the stoppage and cleaned up the area.
-----May 7, 2019 04:09 PM-----

DEQ Comments (Reviewed 5/8/2019 8:35:40 AM by John Settle)

None.

Attachments

None.

SSORS ID:	105414	**Reported:**	05/09/19 3:47 PM	**Amount Spilled:**	50 Gallons
DEQ IR #:		**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/09/19 3:47 PM	**Reaching State Waters:**	50 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Speer	**Spill Date:**	05/09/19 12:04 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/09/19 2:44 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/09/19 3:47 PM	**Spill Duration:**	2 hour(s) 40 minute(s)
Site Name:	300 St Paul's Blvd			**SSO Classification:**	Maintenance-Grease

Cordinates:

Description Of Incident

Sewer lateral blocked with grease. Stoppage broken and area cleaned up.

Possible Receptors

Elizabeth River

Description of Materials

Sewage

Corrective Action

Broke stoppage and cleaned up area.
-----May 9, 2019 03:47 PM-----

DEQ Comments not yet reviewed

None.

Attachments

None.

SSORS ID:	105416	**Reported:**	05/10/19 4:40 PM	**Amount Spilled:**	30 Gallons
DEQ IR #:		**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/10/19 4:40 PM	**Reaching State Waters:**	30 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Speer	**Spill Date:**	05/09/19 12:31 PM

Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/09/19 3:55 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/10/19 4:40 PM	**Spill Duration:**	3 hour(s) 24 minute(s)
Site Name:	2445 Minnesota Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

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

Possible Receptors
LaFayette River

Description of Materials
Sewage

Corrective Action
Stoppage broken and the area cleaned up
-----May 10, 2019 04:40 PM-----

DEQ Comments not yet reviewed

None.

Attachments

None.

SSORS ID:	105417	**Reported:**	05/10/19 4:46 PM	**Amount Spilled:**	100 Gallons
DEQ IR #:		**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/10/19 4:46 PM	**Reaching State Waters:**	100 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Speer	**Spill Date:**	04/14/19 3:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	04/14/19 8:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/10/19 4:46 PM	**Spill Duration:**	5 hour(s) 0 minute(s)
Site Name:	26th St & Llewellyn Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident
Blockage occurred and an overflow occurred. The blockage was broken and the area cleaned up.

Possible Receptors
Elizabeth River

Description of Materials
Sewage

Corrective Action
Blockage was broken and the area cleaned up.
-----May 10, 2019 04:46 PM-----

DEQ Comments not yet reviewed

None.

Attachments

None.

SSORS ID:	105418	**Reported:**	05/13/19 12:42 PM	**Amount Spilled:**	550 Gallons
DEQ IR #:		**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/13/19 12:42 PM	**Reaching State Waters:**	550 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Speer	**Spill Date:**	05/11/19 10:16 AM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/11/19 11:10 AM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/13/19 12:42 PM	**Spill Duration:**	0 hour(s) 54 minute(s)
Site Name:	2842 Bayne Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

Stoppage occurred resulting in an overflow. The stoppage was broken and the area cleaned up.

Possible Receptors

Broad Creek

Description of Materials

Sewage

Corrective Action

Stoppage broken and area cleaned up.
-----May 13, 2019 12:42 PM-----

DEQ Comments not yet reviewed

None.

Attachments

None.

SSORS ID:	105424	**Reported:**	05/17/19 9:18 AM	**Amount Spilled:**	100 Gallons
DEQ IR #:		**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	05/17/19 4:07 PM	**Reaching State Waters:**	100 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Speer	**Spill Date:**	05/16/19 2:20 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	05/16/19 7:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	05/17/19 4:07 PM	**Spill Duration:**	4 hour(s) 40 minute(s)
Site Name:	758 Johnson Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

A stoppage occurred which caused an overflow. The stoppage was broken and the area cleaned up.

Possible Receptors

LaFayette River

Description of Materials

Sewage

Corrective Action

Broke stoppage and cleaned up area.
-----May 17, 2019 09:18 AM-----

DEQ Comments not yet reviewed

None.

Attachments

None.

SSORS ID:	105434	**Reported:**	06/13/19 4:36 PM	**Amount Spilled:**	50 Gallons
DEQ IR #:		**Reported by:**	David Speer	**Amount Recovered:**	0 Gallons
Asset ID:		**Lasted Edited**	06/13/19 4:36 PM	**Reaching State Waters:**	50 Gallons
Reporting Jurisdiction:	Norfolk	**Last Edited by:**	David Speer	**Spill Date:**	06/12/19 2:00 PM
Spilled-In Jurisdiction:	Norfolk	**Phoned In:**		**Date Under Control:**	06/12/19 5:00 PM
Responsible Party:	City of Norfolk	**Final Submittal:**	06/13/19 4:36 PM	**Spill Duration:**	3 hour(s) 0 minute(s)
Site Name:	4400 Colley Ave			**SSO Classification:**	Maintenance-Grease
Cordinates:					

Description Of Incident

Blockage occurred which caused an overflow. The blockage was cleared and the area cleaned up.

Possible Receptors

Lafayette River

Description of Materials

Sewage

Corrective Action

Blockage cleared and the area cleaned up.
-----June 13, 2019 04:36 PM-----

DEQ Comments

not yet reviewed

None.

Attachments

None.

Appendix 4

#CleanWater

International Coastal Cleanup

What Will You Find?

VOLUNTEER THIS FALL!

Keep Norfolk Beautiful is hosting the annual International Coastal Cleanup September 10 – October 31. Join the international volunteer opportunity to collect, track, and remove litter from Norfolk's beaches and waterways.

Here are **three** ways you can get involved:

1. **Host** your own cleanup
2. **Join** an existing cleanup
3. **Volunteer** on International Coastal Cleanup Recognition Day: Saturday, September 15

DATE AND TIME

Coastal Cleanup
September 10 – October 31

Recognition Day
September 15 9AM – 12PM

LOCATION

Coastal Cleanup
Various Locations in Norfolk

Recognition Day
2540 Barraud Ave

REGISTER TODAY

Call (757) 441-1347
Register at norfolk.gov/KNB

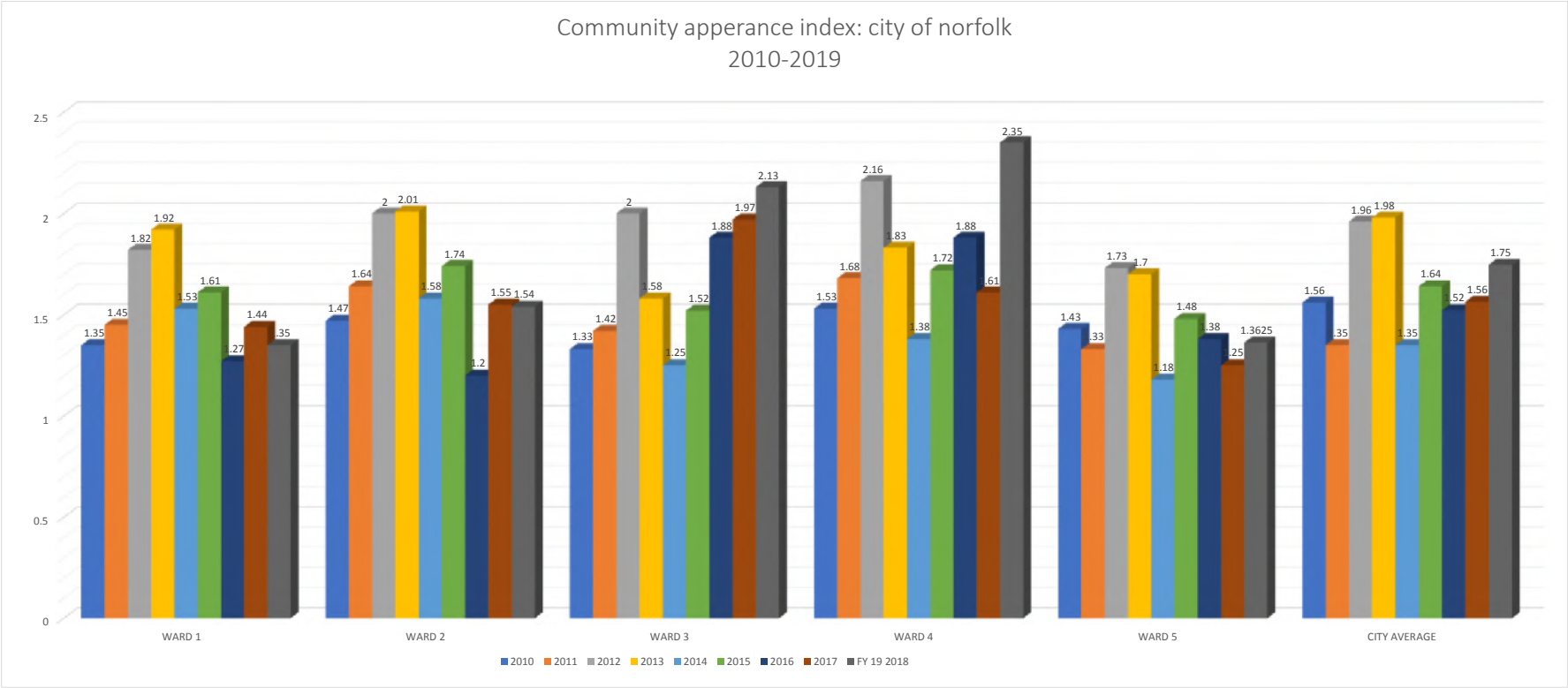
THE CITY OF NORFOLK

Keep Norfolk Beautiful
KEEP AMERICA BEAUTIFUL AFFILIATE

	Cigarette Butts	Food Wrappers (candy, chips, etc.)	Take Out/Away Containers (Plastic)	Take Out/Away Containers (Foam)	Bottle Caps (Plastic)	Bottle Caps (Metal)	Lids (Plastic)	Straws, Stirrers	Forks, Knives, Spoons	Beverage Bottles (Plastic)	Beverage Bottles (Glass)	Beverage Cans	Grocery Bags (Plastic)	Other Plastic Bags	Paper Bags	Cups, Plates (Paper)	Cups, Plates (Plastic)	Cups, Plates (Foam)	Fishing Buoys, Pots & Traps	Fishing Net & Pieces	Fishing Line (1 yard/meter = 1 piece)	Rope (1 yard/meter = 1 piece)	Fishing Gear (Clean Swell)	6-Pack Holders	Other Plastic/Foam Packaging	Other Plastic Bottles (oil, bleach, etc.)	Strapping Bands	Tobacco Packaging /Wrap	Other Packaging (Clean Swell)	Appliances (refrigerators, washers, etc.)	Balloons	Cigar Tips	Cigarette Lighters	Construction Materials	Fireworks	Tires	Other Trash (Clean Swell)	Condoms	Diapers	Syringes	Tampons/ Tampon Applicators	Personal Hygiene (Clean Swell)	Foam Pieces	Glass Pieces	Plastic Pieces	Total Items Collected	Number of volunteers	Volunteer hours	Pounds of litter	Number of Miles
Barraud Park 9/30/2018	699	629	33	23	313	828	10	127	35	124	94	76	82	127	31	16	23	40	3	8	1	1		9	88	7	13	168			11	190	16	31		3		18			1		2093	750	694	7415	39	78	295	2
Ocean View Beach Park 9/30/2018	1494	130	20	6	81	64	31	91	2	45	28	67	17	32	15	14	22	8		1		1		4	19	1	9	40			3	100	5	46	5			1	2				74	76	189	2743	22	33	110	0.5
Old Dominion University 10/13/2018	19	17	7	4	6	4	7	5	1	18	10	5	4	2	2	15	13	3										3						18									22	11	31	228	6	6	60	3
East Ocean View 9/30/2018	40	140	90	40	30	30	50	70	10	250	180	150	90	45	30	35	20	10	1	5				5	15	4	1	60			1	13	3	15				1			3		210	40	110	1797	7	10	150	2
Willoughby Spit 9/30/2018	780	339	68	52	155	231	74	156	26	286	140	152	304	105	92	179	60	33	1			82			11	5	5	38				67	12	11	4	1		5	1				24	488	65	4052	11	16.5	390	4
The Hague 10/13/2018	254	119	8	15	43	14	15	67	2	52	7	14	19	50	43	23	34	23	0	2	1	3		0	55	1	4	19		2	10	31	3	9	0	1	1	1	1		0		30	27	121	1124	24	36	120	2
Lafayette Park & Lavalette Boat Ramp 10/13/2018	560	326	12	7	112	151	23	73	21	60	22	169	42	15	23	26	20	13		3	1	6		4	86	1	3	98			7	62	5	17	1		5				1		43	253	400	2671	23	34.5	189	2.5
Lakewood Park - 10-17-2018	99	137	5	5	75	71	8	28	12	16	8	9	7	9	3	3	7				1	1			4	4	12	5				12	2	5			1	1			2		21	13	265	851	17	25.5	120	1
Bayview Elementary/East Bayview Blvd	603	356	3		33	8	11	31	8	17	7	14	10	13	28	4	10	2				3		1	30	1	7	29			1	48	1	17		1		1					36	14	133	1481	12	18	50	1
1900-1300 East Ocean View Avenue																																																		
Harbor Park (ERT) 9/30/2018	78	177	15	18	141	3	34	67	7	187	39	78	98	39	14	73	66	38			3	14		2	96	8	3	11				14	1	3		5		1	1		1		158	28	88	1609	12	18	290	0.75
TOTAL	4626	2370	261	170	989	1404	263	715	124	1055	535	734	673	437	281	388	275	170	5	19	7	111	0	25	404	32	57	471	0	2	33	537	48	172	10	11	0	34	6	1	9	0	2711	1700	2096	23971	173	275.5	1774	18.75

COMMUNITY APPEARANCE INDEX FOR KEEP NORFOLK BEAUTIFUL 2010- 2017

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						
Total Averages	**1.41**	**1.46**	**1.96**	**1.87**	**1.36**	**1.62**



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?

FREE DROP OFF AT ONE LOCATION

Secure Document Shredding

Household Items

Special Plastic Bag Collection**

Household Hazardous Waste*

Electronic Recycling*

Clean Out To Clean Up

November 17th • 9 a.m.-Noon

1176 Pineridge Road, Norfolk

Plus: Bay Star Homes will be giving away FREE trees to 100 lucky Norfolk residents.

THE CITY OF NORFOLK PUBLIC WORKS

#ReduceIt

Keep Norfolk Beautiful
KEEP AMERICA BEAUTIFUL AFFILIATE

*For Norfolk residents only. **Plastic bags must be clean and dry. For a complete list of acceptable items, visit norfolk.gov/TRASH

NORFOLK

Department of Public Works

Fall Clean Out to Clean Up

Saturday November 17, 2018

Inventory

241 Customers

	Residential Regulated Waste	Amount	Unit Type
1	Acids	10	Gallons
2	Aerosol Cans	404	Items
3	Automotive Oils	151	Gallons
4	Batteries	847	Items
5	Lead Acid Batteries	17	Items
6	Cooking Oil	47	Gallons
7	Corrosive (Liquid)	78	Gallons
8	Corrosive (Solid)	33	Pounds
9	Flammable Liquids	112	Gallons
10	Fluorescent Bulbs	41	Items
11	Mercury Items	4	Items
12	Paint (Latex)	705	Gallons
13	Paint (Oil)	140	Gallons
14	Pesticides (Liquid)	132	Gallons
15	Pesticides (Solids)	52	Pounds
16	Oxidizers	3	Pounds/ Gallons
17	Propane Tanks	11	Items
18	Non Hazardous (Liquid)	356	Gallons
19	Non Hazardous (Solids)	19	Pounds
20	Electronics	214	Items

FY19 Clean Out to Clean Up

Number of Participants *Number of Cars*	241
Number of Organizations Involved *Number of partners*	5
Single Stream/Commingled *TFC Recyclables (lbs)*	340
Single Beverage Containers	-
Paper/Newspaper *Eggleston Shredding (lbs)*	10,641
Plasitc Bags and Film *Plastic bag collection (lbs)*	48
Electronics Collected *Goodwill electronics and HHW electronics (lbs)*	3,770
Hand-Held Devices Collected	-
Clothing/Textiles/ *Goodwill total (lbs)*	3,260
Other Recyclables Collected *All other HHW (lbs)*	17,456
Total Pounds	**35,515**
Number of Volunteers	29
Total Volunteer Hours Worked	116.0
Total Value of Volunteer Hours	$ 3,103.00
Length of Event (in hours)	3

FREE DROP OFF AT ONE LOCATION

Secure Document Shredding

Household Items

Special Plastic Bag Collection**

Household Hazardous Waste*

Electronic Recycling*

Clean Out To Clean Up

April 27th • 9 a.m.-Noon

1176 Pineridge Road, Norfolk

THE CITY OF NORFOLK PUBLIC WORKS

#ReduceIt

Keep Norfolk Beautiful
KEEP AMERICA BEAUTIFUL AFFILIATE

*For Norfolk residents only. **Plastic bags must be clean and dry. For a complete list of acceptable items, visit norfolk.gov/TRASH

NORFOLK

Department of Public Works

HHW Weekly Inventory

For The Week Of

From: Saturday April 27, 2019

To: Saturday April 27, 2019

	Residential Regulated Waste	Amount	Unit Type
1	Acids	13	Gallons
2	Aerosol Cans	134	Items
3	Automotive Oils	63	Gallons
4	Batteries	871	Items
5	Lead Acid Batteries	0	Items
6	Cooking Oil	35	Gallons
7	Corrosive (Liquid)	26	Gallons
8	Corrosive (Solid)	4	Pounds
9	Flammable Liquids	50	Gallons
10	Fluorescent Bulbs	35	Items
11	Mercury Items	0	Items
12	Paint (Latex)	587	Gallons
13	Paint (Oil)	112	Gallons
14	Pesticides (Liquid)	8	Gallons
15	Pesticides (Solids)	23	Pounds
16	Oxidizers	47	Pounds/ Gallons
17	Propane Tanks	14	Items
18	Non Hazardous (Liquid)	45	Gallons
19	Non Hazardous (Solids)	137	Pounds

Counted By Bonita Boyd Date 5/15/19

Verified By Clifford Johnson Date 5/15/19

Spring FY 19 Clean Out to Clean Up

Number of Participants *Number of Cars*	183	
Number of Organizations Involved *Number of partners*	3	
Single Stream/Commingled *TFC Recyclables (lbs)*	0	
Paper/Newspaper *Iron Mountain Shredding (lbs)*		awaiting final report from Iron mountain
Plasitc Bags and Film *Plastic bag collection (lbs)*	74	Alvin Measured 5/1/19
Electronics Collected *Goodwill electronics (lbs)*	1650	
Electronics Collected *HHW electronics (lbs)*	0	
Clothing/Textiles Collected *Goodwill textiles + housewares (lbs)*	4863	
Other Recyclables Collected *All other HHW (lbs)*	2204	
Total Pounds	**8,791**	
Number of Volunteers	15	
Total Volunteer Hours Worked	58.2	
Total Value of Volunteer Hours		
Length of Event (in hours)	4	

City of Norfolk
HHW Disposal Activity
FY19

Description	Unit	Date Picked-Up 7/6/2018	8/3/2018	9/7/2018	10/4/2018	11/14/2018	12/3/2018	1/4/2019	2/4/2019	3/5/2019	4/5/2019	5/9/2019	6/11/2019	TOTAL	Unit cost for Disposal by Product	FY19 Disposal Cost
Aerosols	DRUM	5	3	4	3	3	3	2	3	2	4	7	4	43	$ 150.00	$ 6,450.00
Alkaline Batteries	DRUM	1	1	1	1	1	1	1	1	1	1	1	1	12	$ 125.00	$ 1,500.00
Automotive Batteries	PALLET													0	$ -	$ -
Bulk Antifreeze	DRUM	2	1	1	1	1	2	1	2	1	1	2	1	16	$ 40.00	$ 640.00
Bulk Flammable liquid	DRUM	3	1	2	4	3	1	1	1	2	1	2	3	24	$ 105.00	$ 2,520.00
Bulk Latex Paint	*TOTE*	3	3	3	2	3	7	3	2	3	4	6	3	42	$ 300.00	$ 12,600.00
Bulk Motor Oil	DRUM	3	1	2	2	1	1	1	2	2	1	4	2	22	$ 85.00	$ 1,870.00
Compact CFL's	EACH	67	200	298	82	229	103	124	138	172	172	142	119	1846	$ 0.35	$ 646.10
Corrosive Liquid Acidic	DRUM	1			1		1	1		1		1		6	$ 175.00	$ 1,050.00
Corrosive Liquid Base	DRUM	1	1		2	1	1			1	2	1	1	11	$ 175.00	$ 1,925.00
Corrosive Solid Acidic	DRUM				1							1		2	$ 175.00	$ 350.00
Corrosive Solid Basic Inorganic	DRUM					1								1	$ 175.00	$ 175.00
Fluorescent Light Tubes	FEET	444	960	792	266	1360	496	360	520	732	732	260	1116	8038	$ 0.15	$ 1,205.70
LP Flammable Solid	DRUM	5	3	2	2	2	3	2	2	2	4	4	2	33	$ 300.00	$ 9,900.00
LP Oxidizer Liquids	DRUM													0	$ 225.00	$ -
LP Oxidizer Liquids (per LBS)	5-GAL DRUM													0	$ 4.00	$ -
LP Oxidizer Solid	DRUM			1										1	$ 225.00	$ 225.00
LP Oxidizer Solid (per LBS)	5-GAL DRUM													0	$ 4.00	$ -
Mercury in Mfg Articles	5 GAL				1									1	$ 125.00	$ 125.00
Non-Regulated Cleaners	DRUM	6	3	4	4	3	3	3	3	4	6	4	4	47	$ 65.00	$ 3,055.00
Paint Related Materials	DRUM	3	1	2	2	2	3	2	2	1	3	4	3	28	$ 105.00	$ 2,940.00
Paint Related Materials	TOTE													0	$ 300.00	$ -
Pesticide Liquid	DRUM	3	2	3	2	2	3	2	3	1	4	5	3	33	$ 185.00	$ 6,105.00
Pesticide Solid	DRUM	2	3	2	1	1	1	1	1	1	2	3	1	19	$ 185.00	$ 3,515.00
Propane	20 LB TANK	16	16	16	15	10	7	4		0	0	44	15	143	$ 8.00	$ 1,144.00
Propane	1 LB TANK		61	42	35	51	30	19		38	72	88	51	487	$ 3.00	$ 1,461.00
NICAD BATTERIES (20LB)	5 GAL	26	15	21	30	36	78	42	65	14	25	54	66	472	$ 4.00	$ 1,888.00
LITHIUM BATTERIES (10LB)	5 GAL	18	67	33	95	55	104	38	33	25	58	73	28	627	$ 4.00	$ 2,508.00
NiMH BATTERIES (10LB)	5 GAL		23			10	33		29	8	7	60	8	178	$ 4.00	$ 712.00
Bulk Latex Paint	DRUM											4		4	$ 55.00	$ 220.00
Waste Oils Cooking Oil	DRUM													0	$ 85.00	$ -
																$ 64,729.80

One 'TOTE' = four 55-gal drums

Packaged in something other than a 55-gallon drum

DO #	21119000725	21119000732	21119000741	21119000747	21119000758	21119000760	21119000763	21119000770	21119000772	21119000781	21119000778	21119000785	
Vendor	MXI	MXI	MXI	MXI	MXI	MXI	MXI	MXI	MXI	MXI	MXI	MXI	
Amount	**$6,299.05**	**$4,950.00**	**$4,958.10**	**$5,048.60**	**$4,746.15**	**$6,561.45**	**$3,796.40**	**$3,909.30**	**$3,902.00**	**$6,266.00**	**$9,162.70**	**$5,130.05**	$64,729.80

SUMMARY		
55-gallon DRUMS of HHW collected	470	
5-gallon PAILS of Mercury items	1	
Fluorescent Light Tubes (4')	2,010	
Compact CFL's	1,846	
Propane - 20 lb Tanks	143	
Propane - 1 lb Tanks	487	
Automotive Batteries	0	
Alkaline Batteries (pounds)	0	
NiCAD Batteries (pounds)	1,888	estimated
LITHIUM Batteries (pounds)	1,254	estimated
NiMH Batteries (pounds)	356	estimated

Appendix 5

DEPARTMENT OF PUBLIC WORKS OPERATIONS HIGH-RISK COMMERCIAL AND INDUSTRIAL OUTFALL INSPECTION PROGRAM

DATE WRITTEN: May 13, 2014
DATE REVISED: June 28, 2017
PREPARED BY: June Whitehurst, Environmental Program Manager; Casey Magruder, Environmental Program Administrator
REVIEWED BY: Peter Garner, Operations Engineering Manager
FILE PATH: K:\0000 - PW\Admin\SOPs\0600 - Comb Ops\Operations SOPs\SOP 627 High-Risk Outfall Inspection Program
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 Operations 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.

DEPARTMENT OF PUBLIC WORKS OPERATIONS HIGH-RISK COMMERCIAL AND INDUSTRIAL OUTFALL INSPECTION PROGRAM

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 VPDES industrial permits etc.).

Illicit Discharge – Discharge to the storm water system that is not comprised entirely of rain water 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:

Department of Public Works Operations 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.

Public Works 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 annually.

A list of business licenses in the City of Norfolk will be requested and received from the Commissioner of the Revenue's office annually. 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

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OPERATIONS
HIGH-RISK COMMERCIAL AND INDUSTRIAL OUTFALL INSPECTION PROGRAM

inspection program. Additionally, facilities that sheet flow or discharge directly to state waters will be also excluded from the City's 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 list of high-risk facilities is attached as Appendix A of this SOP. Prioritization is established through the Storm Water Infrastructure Inspection Program.

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 VDPES 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 SOP628.

PKM

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

- 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:

Peter S. Garner, P.E.
Operations Engineering Manager
Public Works Operations

Attachment A – 2017 List of High-risk Facilities

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2017	TINEE GIANT #147	123 W OCEAN VIEW AVE	COASTAL INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	2	WEST OCEAN VIEW
	2017	COMPETITIVE BUSINESS SYSTEMS INC	413 PINEWELL DR	COMPETITIVE BUSINESS SYSTEMS INC	485999.00	All Other Passenger Transportation	2	WEST OCEAN VIEW
	2017	C/O BLACK & WHITE CAB	124 DUPRE AVE	CANTRELL, DAVID L	485310.00	Taxi	2	WEST OCEAN VIEW
	2017	ANNAS TOWING OF NORFOLK	9665 1ST VIEW STREET	ALL-CITY TOWING & RECOVERY INC	488410.00	Tow Truck Services	2	WEST OCEAN VIEW
	2017	COAST 2 COAST OF NORFOLK	9665 1ST VIEW STREET	ALL-CITY TOWING & RECOVERY INC	488410.00	Tow Truck Services	2	WEST OCEAN VIEW
	2017	ENTERPRISE RENT-A-CAR	6252 E VIRGINIA BEACH BLVD	ENTERPRISE LEASING CO OF NFLK/RICH	532111.00	Passenger Car Rental	79	KEMPSVILLE
	2017	PERRY BUICK CO A CORP	6633 E VIRGINIA BEACH BLVD	PERRY BUICK CO	532111.00	Passenger Car Rental	79	KEMPSVILLE
	2017	B AUTOMOTIVE	6539 E VIRGINIA BEACH BLVD	B AUTOMOTIVE INC	811113.00	Automotive Transmission Repair	79	KEMPSVILLE
	2017	THE AUTO CONNECTION	6401 E VIRGINIA BEACH BLVD	AUTO CONNECTION INC THE	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	RICK HENDRICK CHEVROLET	6252 E VIRGINIA BEACH BLVD	COLONIAL CHEVROLET CORP	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	CAR-LIFE TRANSMISSIONS	6420 E VIRGINIA BEACH BLVD	CAR-LIFE INC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	PERRY BUICK CO A CORP	6633 E VIRGINIA BEACH BLVD	PERRY BUICK CO	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	SHAFFER'S AUTO REPAIR INC	6539 E VIRGINIA BEACH BLVD	SHAFFER'S AUTO REPAIR INC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	CHECKERED FLAG HONDA	6541 E VIRGINIA BEACH BLVD	CHECKERED FLAG STORE #1 LLC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	COASTAL SAFETY BRAKE CENTER	6656 E VIRGINIA BEACH BLVD	BENNETT, SHARIF T	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	AUTO CONNECTION PREMIER COLLECTION	6401 E VIRGINIA BEACH BLVD	AUTO CONNECTION PREMIER COLL INC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	ACE AUTO	6539 E VIRGINIA BEACH BLVD	ACE AUTO LLC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	HAJJIS WHOLESALE	6400 E VIRGINIA BEACH BLVD	HAJJIS WHOLESALE LLC	811111.00	General Automotive Repair	79	KEMPSVILLE
	2017	LUXURY AUTO SALES INC	6430 E VIRGINIA BEACH BLVD	LUXURY AUTO SALES INC	441110.00	New Car Dealer	79	KEMPSVILLE
	2017	TIRE STOP ONE	6646 E VIRGINIA BEACH BLVD	TIRE STOP ONE LLC	441320.00	Tire Dealers	79	KEMPSVILLE
	2017	THE AUTO CONNECTIOB1624:B1655N	6401 E VIRGINIA BEACH BLVD	AUTO CONNECTION INC THE	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	RICK HENDRICK CHEVROLET	6252 E VIRGINIA BEACH BLVD	COLONIAL CHEVROLET CORP	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	1 STOP AUTO	6440 E VIRGINIA BEACH BLVD	1 STOP AUTO DISCOUNTERS INC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	PERRY BUICK CO A CORP	6633 E VIRGINIA BEACH BLVD	PERRY BUICK CO	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	CHECKERED FLAG HONDA	6541 E VIRGINIA BEACH BLVD	CHECKERED FLAG STORE #1 LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	AUTO MAX	6530 E VIRGINIA BEACH BLVD	AMINA CORPORATION	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	CARAFELLO'S AUTO SALES LLC	6328 E VIRGINIA BEACH BLVD	CARAFELLO'S AUTO SALES LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	PORTAL AUTOMOTIVE	6626 E VIRGINIA BEACH BLVD	PORTAL AUTOMOTIVE INC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	HAJJIS WHOLESALE	6400 E VIRGINIA BEACH BLVD	HAJJIS WHOLESALE LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	ALL RIDE MOTORS	6336 E VIRGINIA BEACH BLVD	ALL RIDE MOTORS LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	Z AUTOMOTIVE	6512 E VIRGINIA BEACH BLVD	Z AUTOMOTIVE LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	518 WHOLESALE LLC	6328 E VIRGINIA BEACH BLVD	518 WHOLESALE LLC	441120.00	Used Car Dealer	79	KEMPSVILLE
	2017	FIRST CLASS CHARIOTS LLC	6401 E VIRGINIA BEACH BLVD	FIRST CLASS CHARIOTS LLC	485320.00	Limousine Services	79	KEMPSVILLE
	2017	C J TRANSPORTOTION	6630 STONEY POINT SOUTH	JOSEPH, GLENFORD F	485310.00	Taxi	79	KEMPSVILLE
	2017	FIRST TRANSIT	6350 CENTER DR	FIRST TRANSIT INC	485999.00	All Other Passenger Transportation	79	KEMPSVILLE
	2017	ARISTIOCRAT TOWING INC	6539 E VIRGINIA BEACH BLVD	ARISTOCRAT TOWING INC	488410.00	Tow Truck Services	79	KEMPSVILLE
	2017	WARDS CORNER SHELL	7726 GRANBY STREET	RACIBORSKI, STANLEY W	811111.00	General Automotive Repair	25	WARDS CORNER
	2017	BINGO AUTO & TIRE SERVICE LLC	7718 GRANBY STREET	BINGO AUTO & TIRE SERVICE LLC	811111.00	General Automotive Repair	25	WARDS CORNER
	2017	WARDS CORNER SHELL	7726 GRANBY STREET	RACIBORSKI, STANLEY W	447110.00	Gas Station @ Convenience Store	25	WARDS CORNER
	2017	BINGO AUTO & TIRE SERVICE LLC	7718 GRANBY STREET	BINGO AUTO & TIRE SERVICE LLC	441320.00	Tire Dealers	25	WARDS CORNER
	2017	JOE'S TIRES & RIMS INC	1209 MONTICELLO AVE	JOE'S TIRES & RIMS INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	JOE'S TIRES & RIMS INC	1201 MONTICELLO AVE	JOE'S TIRES & RIMS INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	TREADQUARTERS # 1038	1700 MONTICELLO AVE	MONRO MUFFLER BRAKE INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	ACCURATE TUNE PLUS	1312 MONTICELLO AVE	WET AUTOMOTIVE SERVICES INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	JOE'S TIRE & AUTO SALES	1209 MONTICELLO AVE	JOE'S TIRE & AUTO SALES INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	BOON'S CAR SALOON	113 E PRINCESS ANNE RD	BOON'S CAR SALOON INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	7-ELEVEN #39536B	1200 MONTICELLO AVE	MILLERS II LLC	447110.00	Gas Station @ Convenience Store	58	EAST 21st STREET / MONTICELLO
	2017	JOE'S TIRES & RIMS INC	1209 MONTICELLO AVE	JOE'S TIRES & RIMS INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2017	TREADQUARTERS # 1038	1700 MONTICELLO AVE	MONRO MUFFLER BRAKE INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2017	JOE'S TIRE & AUTO SALES	1209 MONTICELLO AVE	JOE'S TIRE & AUTO SALES INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2017	BOON'S CAR SALOON	113 E PRINCESS ANNE RD	BOON'S CAR SALOON INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2017	JOE'S TIRE & AUTO SALES	1209 MONTICELLO AVE	JOE'S TIRE & AUTO SALES INC	441120.00	Used Car Dealer	58	EAST 21st STREET / MONTICELLO
	2017	ENVY LIMOUSINE	1209 MONTICELLO AVE	ENVY LIMOUSINE INC	485320.00	Limousine Services	58	EAST 21st STREET / MONTICELLO
	2017	RECYCLING PERKS LLC	2501 FAWN STREET	RECYCLING PERKS LLC	562998.00	Misc Waste Management	58	EAST 21st STREET / MONTICELLO
	2017	GROOMINGDALE'S	222 W 21ST STREET	WARD, CHRYSTAL	812910.00	Pet Services (not Veterinary)	58	EAST 21st STREET / MONTICELLO
	2017	FOREVER HOME REHABILITATION & TRAINING CENTER INC	742 E 25TH STREET	FOREVER HOME REHABILITATION & TRAINING CENTER INC	812910.00	Pet Services (not Veterinary)	58	EAST 21st STREET / MONTICELLO
	2017	ALLIANCE COLLISION CENTER	240 W 25TH STREET	BAZEMORE, LLOYD L	811121.00	Auto Body & Paint Repair	58	EAST 21st STREET / MONTICELLO
	2017	STARK AUTO BODY REPAIR	744 E 25TH STREET	STARK INC	811121.00	Auto Body & Paint Repair	58	EAST 21st STREET / MONTICELLO
	2017	ALPINE MOTOR SPORTS LLC	116 W 25TH STREET	ALPINE MOTOR SPORTS LLC	811121.00	Auto Body & Paint Repair	58	EAST 21st STREET / MONTICELLO
	2017	BAUM'S SERVICE CENTER	727 E 26TH STREET	BAUM'S SERVICE CENTER INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	FIRESTONE COMPLETE AUTO CARE #3956	856 GRANBY STREET	BRIDGESTONE RETAIL OPERATIONS LLC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	BOYD AUTOMOTIVE CENTER	403 W 24TH STREET	BOYD, ROBERT C III	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	COASTAL IMPORT REPAIR LTD	422 W 21ST STREET	COASTAL IMPORT REPAIR LTD	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	PRO'S AUTO REPAIR	220 W 25TH STREET	RICKS, RODNEY	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	A M'S AUTO REPAIRS INC	1855 CHURCH STREET	A M'S AUTO REPAIRS INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	MIDWAY RADIATOR	220 E 25TH STREET	EGEE INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	FRANKIE TIRE & AUTO SERVICES	818 E 26TH STREET	MAXES INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	MARTIN'S AUTO REPAIR	245 W 24TH STREET	MARTIN'S AUTO REPAIR INC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities								
VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2017	HOWELL'S HOBBIE SHOP	816 E 25TH STREET	HOWELL, MARQUE D	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	YONO BROTHERS LLC	2610 CHURCH STREET	YONO BROTHERS LLC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	MUDSLIDE MOTORSPORTS	240 W 25TH STREET	MUDSLIDE MOTORSPORTS LLC	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	EMERSON Z GARLAND	430 W 24TH STREET	GARLAND, EMERSON Z	811111.00	General Automotive Repair	58	EAST 21st STREET / MONTICELLO
	2017	GHENT FOOD MART	1202 GRANBY STREET	PASSAWALA INC	447110.00	Gas Station @ Convenience Store	58	EAST 21st STREET / MONTICELLO
	2017	HAPPY SHOPPER #25	1110 GRANBY STREET	GRANBY STORE INC	447110.00	Gas Station @ Convenience Store	58	EAST 21st STREET / MONTICELLO
	2017	FRANKIE TIRE & AUTO SERVICES	818 E 26TH STREET	MAXES INC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2017	PTT & R POP T'S TIRES & RIMS	737 E 23RD STREET	POP TS TIRES & RIMS LLC	441320.00	Tire Dealers	58	EAST 21st STREET / MONTICELLO
	2017	BAUM'S SERVICE CENTER	727 E 26TH STREET	BAUM'S SERVICE CENTER INC	441120.00	Used Car Dealer	58	EAST 21st STREET / MONTICELLO
	2017	MUDSLIDE MOTORSPORTS	240 W 25TH STREET	MUDSLIDE MOTORSPORTS LLC	441120.00	Used Car Dealer	58	EAST 21st STREET / MONTICELLO
	2017	OCEANSIDE TAXI	209 W 25TH STREET	OCEANSIDE EXECUTIVE TRANSPORTATION	485310.00	Taxi	58	EAST 21st STREET / MONTICELLO
	2017	WATERSIDE TAXI CO	816 E 25TH STREET	WATERSIDE TAXI CO INC	485310.00	Taxi	58	EAST 21st STREET / MONTICELLO
	2017	HAPPY HENRY CABBY	816 E 25TH STREET	RAHMING, HENRY	485310.00	Taxi	58	EAST 21st STREET / MONTICELLO
	2017	CRYBABYS TOWING RECOVERY	312 18TH STREET	CRYBABYS TOWING RECOVERY LLC	488410.00	Tow Truck Services	58	EAST 21st STREET / MONTICELLO
	2017	HAMPTON ROADS RECOVERY SERVICES	312 18TH STREET	HAMPTON ROADS RECOVERY SERVICES LLC	488410.00	Tow Truck Services	58	EAST 21st STREET / MONTICELLO
	2017	CHARLES WITH THE GOLDEN TOUCH LLC	3203 E PRINCESS ANNE RD	CHARLES WITH THE GOLDEN TOUCH LLC	811192.00	Car Wash	73	INDUSTRIAL PARK
	2017	TRADEBE TREATMENT & RECYCLING OF TENNESSEE	1333 AZALEA GARDEN RD	TRADEBE TREATMENT & RECYCLING OF TENNESSEE LLC	562998.00	Misc Waste Management	73	INDUSTRIAL PARK
	2017	ENTERPRISE RENT-A-CAR	3375 E PRINCESS ANNE RD	ENTERPRISE LEASING CO OF NFLK/RICH	532111.00	Passenger Car Rental	73	INDUSTRIAL PARK
	2017	ELITE AUTO BODY	1384 INGLESIDE RD	ELITE AUTO BODY INC	811121.00	Auto Body & Paint Repair	73	INDUSTRIAL PARK
	2017	COLONY TIRE CORPORATION	3749 PROGRESS RD	COLONY TIRE CORPORATION	811111.00	General Automotive Repair	73	INDUSTRIAL PARK
	2017	NORFOLK IDEALEASE	1146 INGLESIDE RD	RUSH TRUCK LEASING INC	811111.00	General Automotive Repair	73	INDUSTRIAL PARK
	2017	COLONY TIRE CORPORATION	3749 PROGRESS RD	COLONY TIRE CORPORATION	441320.00	Tire Dealers	73	INDUSTRIAL PARK
	2017	BAY DISPOSAL INC	1384 INGLESIDE RD	BAY DISPOSAL INC	562111.00	Solid Waste Collection	73	INDUSTRIAL PARK
	2017	FIVE STAR UNDERCAR LLC	1164 KINGWOOD AVE	FIVE STAR UNDERCAR LLC	423110.00	Auto Sales Wholesale	73	INDUSTRIAL PARK
	2017	AMERICAN TIRE DISTRIBUTORS INC	4554 PROGRESS RD	AMERICAN TIRE DISTRIBUTION INC	423130.00	Tires & Tubes Wholesale	73	INDUSTRIAL PARK
	2017	CARROLL TIRE CO	3499 INVENTORS RD	CARROLL'S LLC	423130.00	Tires & Tubes Wholesale	73	INDUSTRIAL PARK
	2017	CAMSO USA INC	1360 INGLESIDE RD	CAMSO USA INC	423130.00	Tires & Tubes Wholesale	73	INDUSTRIAL PARK
	2017	COLONY TIRE CORPORATION	3749 PROGRESS RD	COLONY TIRE CORPORATION	423130.00	Tires & Tubes Wholesale	73	INDUSTRIAL PARK
	2017	H F ENTERPRISES INC	1302 INGLESIDE ROAD	H F ENTERPRISES INC	532112.00	Passenger Car Leasing	73	INDUSTRIAL PARK
	2017	MOBILE PREVENTATIVE MAINTENANCE INC	1006 BALLENTINE BLVD	MOBILE PREVENTATIVE MAINTENANCE INC	811111.00	General Automotive Repair	73	INDUSTRIAL PARK
	2017	TRUCK FLEET REPAIR	1422 BALLENTINE BLVD	TRUCK FLEET PARTS LTD	811111.00	General Automotive Repair	73	INDUSTRIAL PARK
	2017	A GOFF LIMO.COM LLC	1114 BALLENTINE BLVD	A GOFF LIMO.COM LLC	485320.00	Limousine Services	73	INDUSTRIAL PARK
VAR050366	2017	General Foam Plastics Corporation	3321 E Princess Anne Road				73	INDUSTRIAL PARK
VAR052006	2017	Norfolk City - Div of Waste Mgmt- Pineridge	1176 Pineridge Road				73	INDUSTRIAL PARK
VAR052171	2017	Port Norfolk Commodity Warehouse	1157 Production Road				73	INDUSTRIAL PARK
	2018	ROGER'S	2310 GOSNOLD AVE	GASKINS, ROGER	441320.00	Tire Dealers	57	WEST 21st STREET
	2018	SOAPS-N-SUDS AUTO SPA	810 W 25TH STREET	COLLEY MANAGEMENT CO INC	811192.00	Car Wash	57	WEST 21st STREET
	2018	WAGS DOGGIE DAY CARE	950 W 21ST STREET	SANDY HOLDINGS LLC	812910.00	Pet Services (not Veterinary)	57	WEST 21st STREET
	2018	BODYMAN'S AUTO BODY & PAINTING II	727 W 25TH STREET	BODYMAN'S AUTO BODY & PAINTING LLC	811121.00	Auto Body & Paint Repair	57	WEST 21st STREET
	2018	MIZELLES & RAYS COLLISION CTR INC	1012 W 26TH STREET	MIZELLES & RAYS COLLISION CTR INC	811121.00	Auto Body & Paint Repair	57	WEST 21st STREET
	2018	DRS AUTOMOTIVE FANTOMWORKS INC	2400 HAMPTON BOULEVARD	DRS FANTOMWORKS LLC	811111.00	General Automotive Repair	57	WEST 21st STREET
	2018	JIM'S AUTO SERVICE INC	506 W 25TH STREET	JIMS AUTO SERVICE INC	811111.00	General Automotive Repair	57	WEST 21st STREET
	2018	FLATLANDERS MEDIA BLASTING	916 W 25TH STREET	WTF INDUSTRIES LLC	811111.00	General Automotive Repair	57	WEST 21st STREET
	2018	HURDLE'S FRONT END & FRAME	636 W 25TH STREET	HURDLE AUTO & TOWING INC	811111.00	General Automotive Repair	57	WEST 21st STREET
	2018	BODYMAN'S AUTO BODY & PAINTING	626 W 25TH STREET	BODYMAN'S AUTO BODY & PAINTING LLC	811111.00	General Automotive Repair	57	WEST 21st STREET
	2018	7-ELEVEN STORE #33533A	1088 W 26TH STREET	BAIG, SHAGUFTA	447110.00	Gas Station @ Convenience Store	57	WEST 21st STREET
	2018	ZION AUTO BODY AND EXPORT	622 W 25TH STREET	ORENUGA, ABOLAWOLE	441120.00	Used Car Dealer	57	WEST 21st STREET
	2018	B & H SALES CORP	2309 HAMPTON BOULEVARD	B & H SALES CORP	562111.00	Solid Waste Collection	57	WEST 21st STREET
	2018	ANDYS CAB CO	523 W 24TH STREET	ANDYS CAB CO	485310.00	Taxi	57	WEST 21st STREET
	2018	EDEN CAB CO INC	633 W 24TH STREET	EDEN CAB CO INC	485310.00	Taxi	57	WEST 21st STREET
	2018	SOUTHSIDE CAB CO	633 W 24TH STREET	SOUTHSIDE CAB CO	485310.00	Taxi	57	WEST 21st STREET
	2018	JENNINGS G MCQUERREY	523 W 24TH STREET	MCQUERREY, JENNINGS G	485310.00	Taxi	57	WEST 21st STREET
VAR050399	2018	Dubin Metals Incorporated	2330 Bowdens Ferry Road				57	WEST 21st STREET
VAR051847	2018	L Chenman Incorporated	619 W 24th Street				57	WEST 21st STREET
	2018	FISCHER'S AUTO BODY & AUTO ART	1170 LANCE RD	BAD ENOUGH INC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	GLENROCK RADIATOR SERVICE INC	5552 E VIRGINIA BEACH BLVD	GLENROCK RADIATOR SERVICE INC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	JOHNSON'S RV SERVICE CENTER	5572 RABY RD	JOHNSON'S RV SERVICE CENTER INC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	SPRING MENDERS INC	5580 RABY RD	SPRING MENDERS INC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	TRUCK REFRIGERATION REPAIR INC	1160 LANCE RD	TRUCK REFRIGERATION REPAIR INC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	PROFESSIONAL CERTIFIED AUTOMOTIVE	5334 E VIRGINIA BEACH BLVD	MERRITT, GERALD M	811111.00	General Automotive Repair	86	CROWN POINT
	2018	IMPORT CYCLE CENTER	5328 E VIRGINIA BEACH BLVD	IMPORT CYCLE CENTER LLC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	58 EAST AUTO REPAIR & BODY WORK	5622 E VIRGINIA BEACH BLVD	AGUILAR AGUILAR, JOSE A	811111.00	General Automotive Repair	86	CROWN POINT
	2018	INTERNATIONAL AUTOMOTIVE SERVICES LLC	1179 LANCE RD	INTERNATIONAL AUTOMOTIVE SERVICES LLC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	TMI TRUCK & EQUIPMENT	5640 RABY RD	TIDEWATER MACK INC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	B & L AUTO REPAIR	5595 RABY RD	B & L AUTO REPAIR LLC	811111.00	General Automotive Repair	86	CROWN POINT
	2018	7-ELEVEN STORE #19119A	5520 RABY RD	BHATTI, MANPREET	447110.00	Gas Station @ Convenience Store	86	CROWN POINT
	2018	7-ELEVEN 33387A	1301 N MILITARY HWY	FISCHER ENTERPRISES INC	447190.00	Gas Stations	86	CROWN POINT
	2018	TMI TRUCK & EQUIPMENT	5640 RABY RD	TIDEWATER MACK INC	441120.00	Used Car Dealer	86	CROWN POINT

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2018	JACK'S TOWING	1114 HARMONY RD	S & E INC	488410.00	Tow Truck Services	86	CROWN POINT
	2018	DALE OLD WRECKER SERVICE INC	5575 SABRE RD	DALE OLD WRECKER SERVICE INC	488410.00	Tow Truck Services	86	CROWN POINT
	2018	ANNA'S TOWING OF VIRGINIA INC	5575 SABRE RD	ANNA'S TOWING OF VIRGINIA INC	488410.00	Tow Truck Services	86	CROWN POINT
	2018	CENTURY TOWING SERVICE INC	5575 SABRE RD	CENTURY TOWING SERVICE INC	488410.00	Tow Truck Services	86	CROWN POINT
	2018	TURNER'S TOWING	5575 SABRE RD	ZEKE'S AUTO PARTS & SERVICE INC	488410.00	Tow Truck Services	86	CROWN POINT
	2018	PETE'S TOWING OF NORFOLK INC	5575 SABRE RD	PETE'S TOWING OF NORFOLK INC	488410.00	Tow Truck Services	86	CROWN POINT
	2018	MASTER'S TOWING OF NORFOLK INC	5575 SABRE RD	MASTER'S TOWING OF NORFOLK INC	488410.00	Tow Truck Services	86	CROWN POINT
	2018	JEFF'S TOWING OF NORFOLK INC	5575 SABRE RD	JEFF'S TOWING OF NORFOLK INC	488410.00	Tow Truck Services	86	CROWN POINT
	2018	SSS CAR WASH	908 E LITTLE CREEK RD	GMK CORP	811192.00	Car Wash	15	NORTH CHESAPEAKE BLVD.
	2018	A-1 MOBILE DOG GROOMING	904 NEWELL AVE	SWANSON, TODD	812910.00	Pet Services (not Veterinary)	15	NORTH CHESAPEAKE BLVD.
	2018	AT THE CURB LLC	834 LESNER AVE	AT THE CURB LLC	812910.00	Pet Services (not Veterinary)	15	NORTH CHESAPEAKE BLVD.
	2018	AFFORDABLE AUTO BODY & REPAIR	7917 WESTCLIFF DR	PARKER, KENNETH J	811121.00	Auto Body & Paint Repair	15	NORTH CHESAPEAKE BLVD.
	2018	AUDIO ONE	894 E LITTLE CREEK RD	AUDIO PROS INC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2018	A & M MOBILE REPAIR	884 E LITTLE CREEK RD	A & M MOBILE REPAIR INC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2018	J & M TIRE WORLD	872 E LITTLE CREEK RD	PBM INC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2018	MANNING'S AUTO REPAIR MOBILE	894 E LITTLE CREEK RD	MANNING, SAMUEL L	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2018	SURFSIDE AUTO CO	894 E LITTLE CREEK RD	SURFSIDE AUTO CO	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2018	BAVARIAN AUTO	892 E LITTLE CREEK RD	BAVARIAN AUTO LLC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2018	HOLLIDAY FOOD MART	8338 TIDEWATER DR	KRUTI INC	447110.00	Gas Station @ Convenience Store	15	NORTH CHESAPEAKE BLVD.
	2018	BEACH AUTO BROKERS INC	940 E LITTLE CREEK RD	BEACH AUTO BROKERS INC	441110.00	New Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2018	INSTANT AUTO LOANS	930 E LITTLE CREEK RD	G & H SALES ASSOCIATES INC	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2018	AUTO EXPO	7912 ARDMORE RD	AUTO EXPO OF VIRGINIA INC	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2018	EROL BASHEKIMOGLU	834 LESNER AVE	BASHEKIMOGLU, EROL	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2018	SURFSIDE AUTO CO	946 E LITTLE CREEK RD	SURFSIDE AUTO CO	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2018	CHARLES BAKER JEEP HONDA	940 E LITTLE CREEK RD	CHARLES BAKER JEEP HONDA LLC	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2018	J & M TIRE WORLD	872 E LITTLE CREEK RD	PBM INC	423130.00	Tires & Tubes Wholesale	15	NORTH CHESAPEAKE BLVD.
	2018	SUPER SPRAY CAR WASH	7927 CHESAPEAKE BLVD	GMK CORP	811192.00	Car Wash	15	NORTH CHESAPEAKE BLVD.
	2018	EAGLE AUTO RENTALS	900 E LITTLE CREEK RD	RAY'S AUTO SALES INC	532111.00	Passenger Car Rental	15	NORTH CHESAPEAKE BLVD.
	2018	AUTO CARE & TRUCK	7916 BECKET STREET	SMB CONTRACTORS LLC	811111.00	General Automotive Repair	15	NORTH CHESAPEAKE BLVD.
	2018	CORNER MART	7900 CHESAPEAKE BOULEVARD	ITTIFAQ INC	447110.00	Gas Station @ Convenience Store	15	NORTH CHESAPEAKE BLVD.
	2018	CORNER MART	7900 CHESAPEAKE BLVD	ITTIFAQ INC	447190.00	Gas Stations	15	NORTH CHESAPEAKE BLVD.
	2018	YOUR KAR CO INC	7912 BECKET STREET	YOUR KAR CO INC	441120.00	Used Car Dealer	15	NORTH CHESAPEAKE BLVD.
	2018	GREEN CLEAN AUTO WASH	501 E LITTLE CREEK RD	GREEN CLEAN LLC	811192.00	Car Wash	24	SOUTHERN SHOPPING CENTER
	2018	BESTWAYS AUTO	933 E LITTLE CREEK RD	BESTWAYS AUTO LLC	532112.00	Passenger Car Leasing	24	SOUTHERN SHOPPING CENTER
	2018	AUTO BRAKE CORP	7512 AVENUE J	AUTO BRAKE CORP	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	FIRESTONE COMPLETE AUTO CARE #3960	7808 N MILITARY HWY	BRIDGESTONE RETAIL OPERATIONS LLC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	HARTMAN'S AUTO SERVICE	7913 TIDEWATER DR	HARTMAN, ROBERT E	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	TREADQUARTERS # 1039	7813 N MILITARY HWY	MONRO MUFFLER BRAKE INC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	COMPUTUNE	630 E LITTLE CREEK RD	PRT INC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	TUNE UP PLUS	818 E LITTLE CREEK RD	COLD SPY ON THE INSIDE LLC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	LITTLE CREEK TIRE & AUTO SERVICES	901 E LITTLE CREEK RD	HOSSIAN, SYED M & JESMIN, MILI	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	SAM'S CLUB #4733	741 E LITTLE CREEK RD	SAM'S EAST INC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	WAWA #8604	975 E LITTLE CREEK RD	WAWA INC	447110.00	Gas Station @ Convenience Store	24	SOUTHERN SHOPPING CENTER
	2018	7-ELEVEN 23345B	800 E LITTLE CREEK RD	DIPRIYA INC	447110.00	Gas Station @ Convenience Store	24	SOUTHERN SHOPPING CENTER
	2018	HARIT SHELL STATION	7501 TIDEWATER DR	HARIT CORPORATION	447190.00	Gas Stations	24	SOUTHERN SHOPPING CENTER
	2018	R & R MOTOR CO	919 E LITTLE CREEK RD	R & R MOTOR CO INC	441110.00	New Car Dealer	24	SOUTHERN SHOPPING CENTER
	2018	TREADQUARTERS # 1039	7813 N MILITARY HWY	MONRO MUFFLER BRAKE INC	441320.00	Tire Dealers	24	SOUTHERN SHOPPING CENTER
	2018	RNR CUSTOM WHEELS AND TIRES	818 E LITTLE CREEK RD	RNR OF VIRGINIA LLC	441320.00	Tire Dealers	24	SOUTHERN SHOPPING CENTER
	2018	LITTLE CREEK TIRE & AUTO SERVICES	901 E LITTLE CREEK RD	HOSSIAN, SYED M & JESMIN, MILI	441320.00	Tire Dealers	24	SOUTHERN SHOPPING CENTER
	2018	PTT & R POP T'S TIRES & RIMS	1327 E LITTLE CREEK RD	POP TS TIRES & RIMS LLC	441320.00	Tire Dealers	24	SOUTHERN SHOPPING CENTER
	2018	AUTOVISION LLC	951 E LITTLE CREEK RD	AUTOVISION LLC	441120.00	Used Car Dealer	24	SOUTHERN SHOPPING CENTER
	2018	D MOTORS LLC	881 E LITTLE CREEK RD	D MOTORS LLC	441120.00	Used Car Dealer	24	SOUTHERN SHOPPING CENTER
	2018	R & R MOTOR CO	919 E LITTLE CREEK RD	R & R MOTOR CO INC	488410.00	Tow Truck Services	24	SOUTHERN SHOPPING CENTER
	2018	MEGA TOWING & RECOVERING	1301 E LITTLE CREEK RD	MEGA TOWING & RECOVERING LLC	488410.00	Tow Truck Services	24	SOUTHERN SHOPPING CENTER
	2018	PERFORMANCE UNLIMITED	7520 AVENUE J	J R RACING INC	423110.00	Auto Sales Wholesale	24	SOUTHERN SHOPPING CENTER
	2018	O'REILLY AUTO PARTS #3929	860 E LITTLE CREEK RD	O'REILLY AUTOMOTIVE STORES INC	423110.00	Auto Sales Wholesale	24	SOUTHERN SHOPPING CENTER
	2018	TREAD QUARTERS	1117 E LITTLE CREEK RD	MONRO MUFFLER BRAKE INC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	CARMASTERS AUTOMOTIVE	931 E LITTLE CREEK RD	CARMASTERS AUTOMOTIVE LLC	811111.00	General Automotive Repair	24	SOUTHERN SHOPPING CENTER
	2018	STYLN CAR WASH	3300 E PRINCESS ANNE RD	WALL, DEVON A	811192.00	Car Wash	74	CROMWELL ROAD INDUSTRIAL
	2018	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
	2018	BILL HILL'S NORVIEW BODY SHOP	2641 FLORIDA AVE	HILL, WILLIAM D	811121.00	Auto Body & Paint Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	COLLISION REPAIR CTR OF NRFK LLC	2404 CROMWELL RD	COLLISION REPAIR CTR OF NRFK LLC	811121.00	Auto Body & Paint Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	JFH AUTO BODY & GLASS	2704 CROMWELL RD	HENDRICKS, JOHN F	811121.00	Auto Body & Paint Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	TNR AUTO	3514 ARGONNE AVE	TNR ENTERPRISES INC	811118.00	Auto Mechanical & Electrical Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	EASTERN AUTOWERKS	2308 INGLESIDE RD	EASTERN AUTOWERKS INC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	JM AUTO & TRUCK REPAIR INC	3340 CROMWELL DR	J M AUTO & TRUCK REPAIR INC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	ACTION AUTO & TRUCK REPAIR	3518 ARGONNE AVE	OAKEY, ROY V	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	FLEET SERVICES	2636 FLORIDA AVE	WILLIAMS, JAMES H & WILLIAMS, DIAN	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2018	WILLIAM'S TRANSMISSIONS & AUTO REPAIR	2700 CROMWELL RD	WILLIAMS, CORETHIOUS	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	OUTLAW'S ROD & CUSTOM LLC	2712 WYOMING AVE	OUTLAW'S ROD & CUSTOM LLC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	KEITH MARTIN AUTOMOTIVE	2444 ALABAMA AVE	MARTIN, KEITH	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	TALENTED AUTOMOTIVE	2609 NEVADA AVE	LECROY, AMY L	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	HIGH IMPACT PERFORMANCE AUTO BODY REPAIR & DETAIL	2701 ARKANSAS AVE	TAYLOR, TERRANCE T	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	TIDEWATER FLEET SERVICES LLC	2700 NEVADA AVE	TIDEWATER FLEET SERVICES LLC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	THE MOBILE MAN AUTO REPAIR SERVICE	2638 FLORIDA AVE	POUNDS, RONALD	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	WAWA	3350 E PRINCESS ANNE RD	WAWA INC	447110.00	Gas Station @ Convenience Store	74	CROMWELL ROAD INDUSTRIAL
	2018	TNR AUTO	3514 ARGONNE AVE	TNR ENTERPRISES INC	441120.00	Used Car Dealer	74	CROMWELL ROAD INDUSTRIAL
	2018	DUKE'S CAB CO	2607 WYOMING AVE	DUKE'S CAB CO	485310.00	Taxi	74	CROMWELL ROAD INDUSTRIAL
	2018	EASTSIDE CAB CO	2613 NEVADA AVE	EASTSIDE CAB CO	485310.00	Taxi	74	CROMWELL ROAD INDUSTRIAL
	2018	C/O DUKE'S CAB CO	2607 WYOMING AVE	MALIK, SHAUKAT	485310.00	Taxi	74	CROMWELL ROAD INDUSTRIAL
	2018	J D'S A1 TOWING & SALVAGE	2433 FLORIDA AVE	MARRS, JAMES D	488410.00	Tow Truck Services	74	CROMWELL ROAD INDUSTRIAL
	2018	AFFORDABLE TOWING AND RECOVERY OF NORFOLK INC	2424 CROMWELL RD	AFFORDABLE TOWING & RECOVERY OF NOR	488410.00	Tow Truck Services	74	CROMWELL ROAD INDUSTRIAL
	2018	D & M AUTO RECOVERY	2707 ARKANSAS AVE	GUENTHER, ODELL A	488410.00	Tow Truck Services	74	CROMWELL ROAD INDUSTRIAL
	2018	FRAZIER AUTOMOTIVE SERVICES LLC	3200 TAIT TERRACE	FRAZIER AUTOMOTIVE SERVICES LLC	811111.00	General Automotive Repair	74	CROMWELL ROAD INDUSTRIAL
	2018	7-ELEVEN #2511-24624A	3235 CHESAPEAKE BOULEVARD	MILLER, GARY	447110.00	Gas Station @ Convenience Store	74	CROMWELL ROAD INDUSTRIAL
VAR051844	2018	EHA Abrasives, LLC	3306 Peterson Street				74	CROMWELL ROAD INDUSTRIAL
VAR052167	2018	Mid-Atlantic Recycling Solutions, LLC	3307 Hanbury Street				74	CROMWELL ROAD INDUSTRIAL
VAR050352	2018	Virginia-Carolina Steel Incorporated	2411 Ingleside Road				74	CROMWELL ROAD INDUSTRIAL
	2018	RYDER TRANSPORTATION SERVICES	4600 E PRINCESS ANNE RD	RYDER TRUCK RENTAL INC	532111.00	Passenger Car Rental	49	COLEMAN PLACE
	2018	THE NEW GRAY'S BODY SHOP	1531 AZALEA GARDEN RD	J & R ENTERPISE INC	811121.00	Auto Body & Paint Repair	49	COLEMAN PLACE
	2018	RUSH AUTO REPAIR	4637 KINCAID AVE	CAPERS, CLINT	811118.00	Auto Mechanical & Electrical Repair	49	COLEMAN PLACE
	2018	COFFEYS BODY SHOP INC	1556 AZALEA GARDEN RD	COFFEYS BODY SHOP INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	HENRY FORD'S USED AUTO SALES	1579 SEWELLS POINT RD	HENRY FORD ENTERPRISES INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	STAKES ENTERPRISES INC	2428 FLORIDA AVE	STAKES ENTERPRISES INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	WARREN AUTO REPAIR	1553 AZALEA GARDEN RD	WARREN, BRUCE ALLEN	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	POOR TONYS TRANSMISSION SHOP	1551 AZALEA GARDEN RD	POOR TONYS INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	BARRY LEE'S AUTOMOTIVE	1518 AZALEA GARDEN RD	WEATHERSPOON, BARRY K	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	D & W AUTO WORKS	1531 AZALEA GARDEN RD	COMBRE, WALTER	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	INDUSTRIAL PARK EXXON	4528 E PRINCESS ANNE RD	OKEY CORP	447110.00	Gas Station @ Convenience Store	49	COLEMAN PLACE
	2018	PRINCESS ANNE SHELL	3502 E PRINCESS ANNE RD	TRISHAKTI LLC	447110.00	Gas Station @ Convenience Store	49	COLEMAN PLACE
	2018	HENRY FORD'S USED AUTO SALES	1579 SEWELLS POINT RD	HENRY FORD ENTERPRISES INC	441120.00	Used Car Dealer	49	COLEMAN PLACE
	2018	A-1 MOTORS	1579 SEWELLS POINT RD	A-1 QUALITY SERVICES LLC	441120.00	Used Car Dealer	49	COLEMAN PLACE
	2018	BLACKOUT XCLUSIVE CAR CARE	1567 EARLY STREET	TIDEWATER BROTHERS LLC	811192.00	Car Wash	49	COLEMAN PLACE
	2018	TURK'S MOBILE CAR WASH	1534 HEMLOCK STREET	MATTHEW, TERRELL D	811192.00	Car Wash	49	COLEMAN PLACE
	2018	ANTIFREEZE RECYCLERS INC	1537 EARLY STREET	ANTIFREEZE RECYCLERS INC	562998.00	Misc Waste Management	49	COLEMAN PLACE
	2018	ROOSEVELT HATCH AUTO SERVICE INC	1553 ALDER STREET	ROOSEVELT HATCH AUTO SERVICE INC	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	BRAKE MASTERS	1560 EARLY STREET	ORE, DALE T JR	811111.00	General Automotive Repair	49	COLEMAN PLACE
	2018	ENTERPRISE RENT-A-CAR	1361 E LITTLE CREEK RD	ENTERPRISE LEASING CO OF NFLK/RICH	532112.00	Passenger Car Leasing	21	LARRYMORE
	2018	BYNUM'S WELDING & AUTO REPAIR	7418 N MILITARY HWY	BYNUM, LARRY	811111.00	General Automotive Repair	21	LARRYMORE
	2018	BO'S TIRES AND RIMS	1871 E LITTLE CREEK RD	BO'S TIRES INC	811111.00	General Automotive Repair	21	LARRYMORE
	2018	BAY AUTOMOTIVE CORPORATION	6970 N MILITARY HWY	BAY AUTOMOTIVE CORPORATION	811111.00	General Automotive Repair	21	LARRYMORE
	2018	FREEDOM FORD INC	7520 N MILITARY HWY	FREEDOM FORD INC	811111.00	General Automotive Repair	21	LARRYMORE
	2018	AMR-CAR ELECTRIC	7418 N MILITARY HWY	HOLLOMAN, JAMES HENRY	811111.00	General Automotive Repair	21	LARRYMORE
	2018	MERCHANT'S TIRE & AUTO #386	7400 N MILITARY HWY	MERCHANT'S LLC	811111.00	General Automotive Repair	21	LARRYMORE
	2018	SUNRISE AUTO & CYCLE SALES	1559 E LITTLE CREEK RD	SUNRISE AUTO & CYCLE SALES INC	811111.00	General Automotive Repair	21	LARRYMORE
	2018	AUTOSTAR ENTERPRISES	7418 N MILITARY HWY	W & C LTD	811111.00	General Automotive Repair	21	LARRYMORE
	2018	ACCURATE TUNE PLUS	1345 E LITTLE CREEK RD	WET AUTOMOTIVE SERVICES INC	811111.00	General Automotive Repair	21	LARRYMORE
	2018	C & E AUTO	7044 N MILITARY HWY	BROWN, JAMES JR	811111.00	General Automotive Repair	21	LARRYMORE
	2018	ACTION AUTO SPECIALIST	6970 N MILITARY HWY	BPGI LLC	811111.00	General Automotive Repair	21	LARRYMORE
	2018	7-ELEVEN STORE #22667A	1511 E LITTLE CREEK RD	PRICE, FELICITAS L	447190.00	Gas Stations	21	LARRYMORE
	2018	ENTERPRISE RENT-A-CAR	7436 N MILITARY HWY	ENTERPRISE LEASING CO OF NFLK/RICH	441110.00	New Car Dealer	21	LARRYMORE
	2018	BO'S TIRES AND RIMS	1871 E LITTLE CREEK RD	BO'S TIRES INC	441320.00	Tire Dealers	21	LARRYMORE
	2018	MERCHANT'S TIRE & AUTO #386	7400 N MILITARY HWY	MERCHANT'S LLC	441320.00	Tire Dealers	21	LARRYMORE
	2018	BAY AUTOMOTIVE CORPORATION	6970 N MILITARY HWY	BAY AUTOMOTIVE CORPORATION	441120.00	Used Car Dealer	21	LARRYMORE
	2018	FREEDOM FORD INC	7520 N MILITARY HWY	FREEDOM FORD INC	441120.00	Used Car Dealer	21	LARRYMORE
	2018	SUNRISE AUTO & CYCLE SALES	1559 E LITTLE CREEK RD	SUNRISE AUTO & CYCLE SALES INC	441120.00	Used Car Dealer	21	LARRYMORE
	2018	MOTOR MAX LLC	6630 N MILITARY HWY	MOTOR MAX LLC	441120.00	Used Car Dealer	21	LARRYMORE
	2018	PRIORITY BUY HERE PAY HERE	7520 N MILITARY HWY	CENTRAL ATLANTIC SALES INC	441120.00	Used Car Dealer	21	LARRYMORE
	2018	7 CITIES AUTOS & CYCLES	7418 N MILITARY HWY	HAMPTON ROADS ONLINE BUSINESS LLC	441120.00	Used Car Dealer	21	LARRYMORE
	2018	ACTION AUTO SPECIALIST	6990 N MILITARY HWY	BPGI LLC	441120.00	Used Car Dealer	21	LARRYMORE
	2018	BAY AUTOMOTIVE CORPORATION	6970 N MILITARY HWY	BAY AUTOMOTIVE CORPORATION	423110.00	Auto Sales Wholesale	21	LARRYMORE
	2018	ENTERPRISE RENT-A-CAR	7436 N MILITARY HWY	ENTERPRISE LEASING CO OF NFLK/RICH	423110.00	Auto Sales Wholesale	21	LARRYMORE
	2018	FREEDOM FORD INC	7520 N MILITARY HWY	FREEDOM FORD INC	423110.00	Auto Sales Wholesale	21	LARRYMORE
	2018	PRIORITY BUY HERE PAY HERE	7520 N MILITARY HWY	CENTRAL ATLANTIC SALES INC	423110.00	Auto Sales Wholesale	21	LARRYMORE
	2018	GREEN CLEAN AUTO WASH	3401 N MILITARY HWY	GREEN CLEAN LLC	811192.00	Car Wash	46	NORVELLA
	2018	ENTERPRISE RENT-A-CAR	3561 N MILITARY HWY	ENTERPRISE LEASING CO OF NFLK/RICH	532111.00	Passenger Car Rental	46	NORVELLA

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2018	THE HERTZ CORP	3323 N MILITARY HWY	HERTZ CORP, THE	532111.00	Passenger Car Rental	46	NORVELLA
	2018	COPPOLA, CARMINE	3424 AZALEA GARDEN RD	COPPOLA, CARMINE	811118.00	Auto Mechanical & Electrical Repair	46	NORVELLA
	2018	SOUTHERN DCJR AT THE NORFOLK AIRPORT	2747 N MILITARY HWY	GREENBRIER OF VIRGINIA INC	811118.00	Auto Mechanical & Electrical Repair	46	NORVELLA
	2018	BIG ALS MUFFLERS & BRAKES	3501 N MILITARY HWY	ANZELL AUTOMOTIVE INC	811111.00	General Automotive Repair	46	NORVELLA
	2018	AZALEA AUTO BODY & SALES	5277 WINDERMERE AVE	AZALEA AUTO BODY SALES INC	811111.00	General Automotive Repair	46	NORVELLA
	2018	J & M TIRE WORLD	3635 N MILITARY HWY	PBM INC	811111.00	General Automotive Repair	46	NORVELLA
	2018	SOUTHERN FIAT OF NORFOLK	2747 N MILITARY HWY	SOUTHERN OF VIRGINIA LLC	811111.00	General Automotive Repair	46	NORVELLA
	2018	MOBILITY SUPERCENTER	3301 N MILITARY HWY	MOBILITY OF NORFOLK LLC	811111.00	General Automotive Repair	46	NORVELLA
	2018	TIRE CITY	3655 N MILITARY HWY	AFFORDABLE AUTO REPAIR & TIRE LLC	811111.00	General Automotive Repair	46	NORVELLA
	2018	SOUTHERN DCJR AT THE NORFOLK AIRPORT	2747 N MILITARY HWY	GREENBRIER OF VIRGINIA INC	441110.00	New Car Dealer	46	NORVELLA
	2018	SOUTHERN FIAT OF NORFOLK	2747 N MILITARY HWY	SOUTHERN OF VIRGINIA LLC	441110.00	New Car Dealer	46	NORVELLA
	2018	BUD'S USED TIRES & BRAKE SERVICE	3345 N MILITARY HWY	COOK ENTERPRISE INC	441320.00	Tire Dealers	46	NORVELLA
	2018	TIRE CITY	3655 N MILITARY HWY	AFFORDABLE AUTO REPAIR & TIRE LLC	441320.00	Tire Dealers	46	NORVELLA
	2018	LIFESTYLE MOTOR GROUP	3335 N MILITARY HWY	J & D AUTO INC	441120.00	Used Car Dealer	46	NORVELLA
	2018	STEVES AUTO SALES INC	3469 N MILITARY HWY	STEVES AUTO SALES INC	441120.00	Used Car Dealer	46	NORVELLA
	2018	SOUTH BEACH MOTORS	3625 N MILITARY HWY	SOUTH BEACH INTERNATIONAL LLC	441120.00	Used Car Dealer	46	NORVELLA
	2018	EASTERN AUTO	3535 N MILITARY HWY	SHINES !INTERNATIONAL LLC	441120.00	Used Car Dealer	46	NORVELLA
	2018	DYNASTY AUTO SALES	3615 N MILITARY HWY	DYNASTY AUTO SALES INC	441120.00	Used Car Dealer	46	NORVELLA
	2018	MANAMA AUTO SALES LLC	3625 N MILITARY HWY	MANAMA AUTO SALES LLC	441120.00	Used Car Dealer	46	NORVELLA
	2018	ELEGANTE AUTO SALES	3625 N MILITARY HWY	ELEGANTE AUTO SALES INC	441120.00	Used Car Dealer	46	NORVELLA
	2018	LPR INC OF VA	3455 AZALEA GARDEN RD	LPR INC OF VA	485999.00	All Other Passenger Transportation	46	NORVELLA
	2018	SOUTHERN DCJR AT THE NORFOLK AIRPORT	2747 N MILITARY HWY	GREENBRIER OF VIRGINIA INC	423110.00	Auto Sales Wholesale	46	NORVELLA
	2018	SOUTHERN FIAT OF NORFOLK	2747 N MILITARY HWY	SOUTHERN OF VIRGINIA LLC	423110.00	Auto Sales Wholesale	46	NORVELLA
	2018	J & M TIRE WORLD	3635 N MILITARY HWY	PBM INC	423130.00	Tires & Tubes Wholesale	46	NORVELLA
VAR051722	2018	Heritage Crystal-Clean, LLC	5539 Faris Street	FCC ENVIRONMENTAL LLC	562998.00	Misc Waste Management	46	NORVELLA
VAR051722	2018	Heritage Crystal-Clean, LLC	5539 Faris Street	HERITAGE-CRYSTAL CLEAN LLC	562998.00	Misc Waste Management	46	NORVELLA
	2018	BAY CITY CLASSICS	3335 CROFT STREET	BAY CITY CLASSICS INC	811121.00	Auto Body & Paint Repair	46	NORVELLA
	2018	GARY'S TRANSMISSIONS	3309 CROFT STREET	GARY'S TRANSMISSION INC	811111.00	General Automotive Repair	46	NORVELLA
	2018	ALL CITY TOWING & RECOVERY INC	5511 FARIS STREET	ALL-CITY TOWING & RECOVERY INC	488410.00	Tow Truck Services	46	NORVELLA
	2018	WESTSIDE BODYWORKS OF NORFOLK	5511 FARIS STREET	ALL-CITY TOWING & RECOVERY INC	488410.00	Tow Truck Services	46	NORVELLA
VAR051722	2018	Heritage Crystal-Clean, LLC	5539 FARIS STREET				46	NORVELLA
VAR050295	2018	United Parcel Service Norfolk	3313 Croft Street				46	NORVELLA
	2018	CITY WIDE CABS LLC	1908 NORVIEW AVE	CITY WIDE CABS LLC	532112.00	Passenger Car Leasing	22	AZALEA
	2018	GOLDSTARR LIMOUSINES INC	3588 N MILITARY HWY	GOLDSTARR LIMOUSINES INC	532112.00	Passenger Car Leasing	22	AZALEA
	2018	AVIS RENT A CAR	1700 NORVIEW AVE	AVIS RENT A CAR SYSTEM LLC	532111.00	Passenger Car Rental	22	AZALEA
	2018	AVIS RENT A CAR SYSTEM LLC	3474 N MILITARY HWY	AVIS RENT A CAR SYSTEM LLC	532111.00	Passenger Car Rental	22	AZALEA
	2018	BUDGET RENT A CAR SYSTEM INC	1700 NORVIEW AVE	BUDGET RENT A CAR SYSTEM INC	532111.00	Passenger Car Rental	22	AZALEA
	2018	M & A FINANCIAL	3554 N MILITARY HWY	M & A INC	532111.00	Passenger Car Rental	22	AZALEA
	2018	PATRIOT RENTAL & REPAIR	3562 N MILITARY HWY	PATRIOT RENTAL & REPAIR LLC	532111.00	Passenger Car Rental	22	AZALEA
	2018	MILITARY SHELL	6110 N MILITARY HWY	MILITARY SHELL LLC	811118.00	Auto Mechanical & Electrical Repair	22	AZALEA
	2018	J & M TIRE WORLD	3310 N MILITARY HWY	PBM INC	811111.00	General Automotive Repair	22	AZALEA
	2018	AAMCO TRANSMISSIONS	3330 N MILITARY HWY	LOMAR CORP	811111.00	General Automotive Repair	22	AZALEA
	2018	BUD'S USED TIRES & BRAKE SERVICE	3358 N MILITARY HWY	COOK ENTERPRISE INC	811111.00	General Automotive Repair	22	AZALEA
	2018	PATRIOT RENTAL & REPAIR	3562 N MILITARY HWY	PATRIOT RENTAL & REPAIR LLC	811111.00	General Automotive Repair	22	AZALEA
	2018	AZALEA AUTO CARE	5720 AZALEA GARDEN RD	AZALEA AUTO CARE INC	811111.00	General Automotive Repair	22	AZALEA
	2018	AZALEA GARDEN BP	3506 N MILITARY HWY	TIDEWATER CONVENIENCE INC	447110.00	Gas Station @ Convenience Store	22	AZALEA
	2018	PAPCO INC	2750 N MILITARY HWY	PAPCO INC	447190.00	Gas Stations	22	AZALEA
	2018	7-ELEVEN #36998A	3650 N MILITARY HWY	TALHA CORP	447190.00	Gas Stations	22	AZALEA
	2018	PATRIOT AUTO SALES INC	3554 N MILITARY HWY	PATRIOT AUTO SALES INC	441110.00	New Car Dealer	22	AZALEA
	2018	BUD'S USED TIRES & BRAKE SERVICE	3358 N MILITARY HWY	COOK ENTERPRISE INC	441320.00	Tire Dealers	22	AZALEA
	2018	ALL CARS	5712 AZALEA GARDEN RD	ALL CARS INC	441120.00	Used Car Dealer	22	AZALEA
	2018	VARIETY MOTORS INC	3530 N MILITARY HWY	VARIETY MOTORS INC	441120.00	Used Car Dealer	22	AZALEA
	2018	TRIMAX AUTO GROUP	6400 N MILITARY HWY	TRIMAX AUTO GROUP INC	441120.00	Used Car Dealer	22	AZALEA
	2018	TRIMAX AUTO WHOLESALE	6400 N MILITARY HWY	TRIMAX AUTO WHOLESALE INC	423110.00	Auto Sales Wholesale	22	AZALEA
	2018	J & M TIRE WORLD	3310 N MILITARY HWY	PBM INC	423130.00	Tires & Tubes Wholesale	22	AZALEA
	2018	FAY'S TRANSPORTATION & CONCIERGE	2802 KIMBALL TERRACE	ATLANTIC COACH TRANSPORTATION LLC	485320.00	Limousine Services	72	CHESTERFIELD
VAR050370	2018	Branscome Inc - Norfolk - Westminster	3425 Westminster Avenue				72	CHESTERFIELD
	2018	SEWELLS POINT TIRE & AUTO REPAIR	3439 SEWELLS POINT RD	SEWELLS POINT TIRE & AUTO LLC	811111.00	General Automotive Repair	45	NORVIEW
	2018	H & S AUTOMOTIVE & TIRES & RIMS REPAIRS	2729 AZALEA GARDEN RD	LANGFORD, HENSON	811111.00	General Automotive Repair	45	NORVIEW
	2018	FIVE POINTS SHELL	1231 NORVIEW AVE	LITTLE TONY AUTO TECH LLC	811111.00	General Automotive Repair	45	NORVIEW
	2018	RACE COAST NORVIEW	1243 NORVIEW AVE	TANAY LLC	447110.00	Gas Station @ Convenience Store	45	NORVIEW
	2018	SEWELLS POINT AUTO SALES	3439 SEWELLS POINT RD	SEWELLS POINT TIRE & AUTO LLC	441120.00	Used Car Dealer	45	NORVIEW
	2018	VIP & CELEBRITY LIMOUSINES INC	3141 AZALEA GARDEN RD	VIP & CELEBRITY LIMOUSINES INC	485320.00	Limousine Services	45	NORVIEW
	2018	CHIPS AUTOMOTIVE REPAIR	5818 CHESAPEAKE BLVD	ANDERSON, JAMES W	811111.00	General Automotive Repair	45	NORVIEW
	2018	TOMMY'S COMPLETE AUTO SERVICE	5766 CHESAPEAKE BLVD	LITTLE, THOMAS	811111.00	General Automotive Repair	45	NORVIEW
	2018	FIVE POINTS BP	6135 CHESAPEAKE BLVD	TIDEWATER CONVENIENCE INC	447110.00	Gas Station @ Convenience Store	45	NORVIEW
	2018	GOLDEN LIMOUSINE	5820 CHESAPEAKE BLVD	STONE, WILLIAM MARTIN SR	485320.00	Limousine Services	45	NORVIEW
	2018	C/O NORFOLK CAB CO	4567 DORA CIRCLE	ALMOND, EARL L	485310.00	Taxi	45	NORVIEW

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2018	C/O NORVIEW CARS	1076 BLAND STREET	DAQUIOAG, LEONARDO	485310.00	Taxi	45	NORVIEW
	2018	ONE STOP FOOD MART #352	2338 E PRINCESS ANNE RD	J & M INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	69	BRAMBLETON
	2018	7-ELEVEN STORE #27188	1510 E BRAMBLETON AVE	MASAND, RAJ	447110.00	Gas Station @ Convenience Store	69	BRAMBLETON
	2018	WILLOWWOOD SERVICE CENTER	5421 TIDEWATER DR	HOWLETT AUTOMOTIVE INC	811111.00	General Automotive Repair	35	LAKEWOOD
	2018	WILLOWWOOD SERVICE CENTER	5421 TIDEWATER DR	HOWLETT AUTOMOTIVE INC	447110.00	Gas Station @ Convenience Store	35	LAKEWOOD
	2018	TIDEWATER SHELL #410	3537 TIDEWATER DR	MBM INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	35	LAKEWOOD
	2018	AUTOBELL CAR WASH	5840 E VIRGINIA BEACH BLVD	AUTOBELL CAR WASH INC	811192.00	Car Wash	87	JANAF - MILITARY CENTER
	2018	PETCO #1884	5900 E VIRGINIA BEACH BLVD	PETCO ANIMAL SUPPLIES STORES INC	812910.00	Pet Services (not Veterinary)	87	JANAF - MILITARY CENTER
	2018	BJ'S WHOLESALE CLUB #180	5820 E VIRGINIA BEACH BLVD	BJ'S WHOLESALE CLUB INC	532111.00	Passenger Car Rental	87	JANAF - MILITARY CENTER
	2018	MOBILITY WORKS	6059 E VIRGINIA BEACH BLVD	RIDE-AWAY HANDICAP EQUIPMENT CORP	811118.00	Auto Mechanical & Electrical Repair	87	JANAF - MILITARY CENTER
	2018	RED'S TRANSMISSION	5884 POPLAR HALL DR	JOHNSON, DAVID KEITH	811113.00	Automotive Transmission Repair	87	JANAF - MILITARY CENTER
	2018	AAA CAR CARE CENTER	5732 E VIRGINIA BEACH BLVD	AAA TIDEWATER VA CAR CARE CENTER LL	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	BJ'S WHOLESALE CLUB #180	5820 E VIRGINIA BEACH BLVD	BJ'S WHOLESALE CLUB INC	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	COTTMAN TRANSMISSION SYSTEMS	5970 E VIRGINIA BEACH BLVD	COW-WOW INC	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	TREADQUARTERS # 1040	6025 E VIRGINIA BEACH BLVD	MONRO MUFFLER BRAKE INC	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	MERCHANTS TIRE #428	5965 E VIRGINIA BEACH BLVD	MERCHANT'S LLC	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	WAL-MART STORE #1811	1170 N MILITARY HWY	WAL-MART STORES EAST LP	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	J & W COMPLETE AUTO & TRANSMISSION	5884 POPLAR HALL DR	BROWN, JOE N	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	CSM AUTO SERVICE	5884 POPLAR HALL DR	HINES, CURTIS L	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	AMERICAN TRANSMISSION CENTERS	5844 E VIRGINIA BEACH BLVD	WRCM LLC	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	COSTCO WHOLESALE #202	850 GLENROCK RD	COSTCO WHOLESALE CORPORATION	447110.00	Gas Station @ Convenience Store	87	JANAF - MILITARY CENTER
	2018	7-ELEVEN STORE #33653B	5827 E VIRGINIA BEACH BLVD	GANESH PATEL INC	447110.00	Gas Station @ Convenience Store	87	JANAF - MILITARY CENTER
	2018	BJ'S WHOLESALE CLUB #180	5820 E VIRGINIA BEACH BLVD	BJ'S WHOLESALE CLUB INC	447190.00	Gas Stations	87	JANAF - MILITARY CENTER
	2018	TREADQUARTERS # 1040	6025 E VIRGINIA BEACH BLVD	MONRO MUFFLER BRAKE INC	441320.00	Tire Dealers	87	JANAF - MILITARY CENTER
	2018	MERCHANTS TIRE #428	5965 E VIRGINIA BEACH BLVD	MERCHANT'S LLC	441320.00	Tire Dealers	87	JANAF - MILITARY CENTER
	2018	MOBILITY WORKS	6059 E VIRGINIA BEACH BLVD	RIDE-AWAY INC	441120.00	Used Car Dealer	87	JANAF - MILITARY CENTER
	2018	AAA TIDEWATER VA FLEET OPERATIONS	5732 E VIRGINIA BEACH BLVD	AAA TIDEWATER VA FLEET OPERATIONS	488410.00	Tow Truck Services	87	JANAF - MILITARY CENTER
	2018	FIRESTONE COMPLETE AUTO CARE #39F4	800 N MILITARY HWY	BRIDGESTONE RETAIL OPERATIONS LLC	811111.00	General Automotive Repair	87	JANAF - MILITARY CENTER
	2018	MILITARY CIRCLE SHELL	500 N MILITARY HWY	TIDEWATER CONVENIENCE INC	447110.00	Gas Station @ Convenience Store	87	JANAF - MILITARY CENTER
	2018	OCEAN VIEW FISHING CENTER	4317 PRETTY LAKE AVE	EDWARDS, LISA YEISER	713930.00	Marina	7	SHORE DRIVE
	2018	LITTLE CREEK MARINA	4801 PRETTY LAKE AVE	LITTLE CREEK PARTNERS LTD	713930.00	Marina	7	SHORE DRIVE
	2018	THE PELICAN'S NEST MARINA	4401 PRETTY LAKE AVE	PELICAN'S NEST MARINA INC, THE	713930.00	Marina	7	SHORE DRIVE
	2018	EAST BEACH MARINA	4521 PRETTY LAKE AVE	LG CAPITAL LLC	713930.00	Marina	7	SHORE DRIVE
	2018	TOP DOG WALK LLC	4610 EAST BEACH DR	TOP DOG WALK LLC	812910.00	Pet Services (not Veterinary)	7	SHORE DRIVE
	2018	PAPCO INC	3601 E OCEAN VIEW AVE	PAPCO INC	447110.00	Gas Station @ Convenience Store	7	SHORE DRIVE
	2018	LITTLE CREEK MARINA	4801 PRETTY LAKE AVE	LITTLE CREEK PARTNERS LTD	447190.00	Gas Stations	7	SHORE DRIVE
	2018	ROBINSON'S AUTO SALES LTD	3536 E LITTLE CREEK RD	ROBINSON'S AUTO SALES LTD	441120.00	Used Car Dealer	7	SHORE DRIVE
	2018	ROBINSON'S AUTO SALES LTD	3536 E LITTLE CREEK RD	ROBINSON'S AUTO SALES LTD	423110.00	Auto Sales Wholesale	7	SHORE DRIVE
	2018	BAY POINT MARINA	9500 30TH BAY STREET	LITTLE CREEK PARTNERS LTD	713930.00	Marina	7	SHORE DRIVE
	2018	ACCURATE TUNE PLUS	9529 SHORE DR	WET AUTOMOTIVE SERVICES INC	811111.00	General Automotive Repair	7	SHORE DRIVE
	2018	VININGS LANDING MARINE CENTER	8172 SHORE DR	HARRISON MARINA LLC	447190.00	Gas Stations	7	SHORE DRIVE
	2018	7-ELEVEN STORE 23151A	7901 SHORE DR	SUNTAT INC	447190.00	Gas Stations	7	SHORE DRIVE
	2018	EAST BEACH AUTO SALES	8100 SHORE DR	ZINO'S AUTO SALES INC	441120.00	Used Car Dealer	7	SHORE DRIVE
	2018	PATRICK KNIGHT	4319 TIDES CT	KNIGHT, PATRICK JULIUS	485310.00	Taxi	7	SHORE DRIVE
VAR050244	2018	Cobb's Marina Incorporated	4524 Dunning Road				7	SHORE DRIVE
VAR050484	2018	Little Creek Marina Incorporated	4913 Pretty Lake Avenue				7	SHORE DRIVE
	2018	JESSE JEFFERSON	8450 TOBY LN	JEFFERSON, JESSE	811111.00	General Automotive Repair	14	SNUG HARBOR
	2018	BAYVIEW PET SALON	1541 E BAYVIEW BOULEVARD	BAYVIEW PET SALON LLC	812910.00	Pet Services (not Veterinary)	14	SNUG HARBOR
	2018	STREET MUSIC CAR WASH	2714 MONTICELLO AVE	WIGGINS, STEVEN M	811192.00	Car Wash	52	PARK PLACE
	2018	ABLE TOWING & AUTO REPAIR INC	2701 MONTICELLO AVE	ABLE TOWING & AUTO REPAIR INC	811111.00	General Automotive Repair	52	PARK PLACE
	2018	AROUND THE CLOCK TIRE & AUTO REPAIR LLC	2706 COLLEY AVE	AROUND THE CLOCK TIRE & AUTO REPAIR LLC	811111.00	General Automotive Repair	52	PARK PLACE
	2018	AROUND THE CLOCK TIRE & AUTO REPAIR LLC	2706 COLLEY AVE	AROUND THE CLOCK TIRE & AUTO REPAIR LLC	441320.00	Tire Dealers	52	PARK PLACE
	2018	PENNIES ON THE DOLLAR RECYCLING & HAULING	856 35TH STREET	TURNER, RICHARD L JR	562119.01	Junk Dealer	52	PARK PLACE
	2018	AUTO ELECTRIC SERVICE INC	2900 CHURCH STREET	AUTO ELECTRIC SERVICE INC	811111.00	General Automotive Repair	52	PARK PLACE
	2018	E Z WAY AUTO SALES	1101 E 26TH STREET	STAR AUTOMOTIVE SALES & SVC INC	811111.00	General Automotive Repair	52	PARK PLACE
	2018	NORFOLK DISCOUNT TIRES	2906 GRANBY STREET	NORFOLK DISCOUNT TIRES LLC	811111.00	General Automotive Repair	52	PARK PLACE
	2018	NORFOLK DISCOUNT TIRES	2906 GRANBY STREET	NORFOLK DISCOUNT TIRES LLC	441320.00	Tire Dealers	52	PARK PLACE
	2018	E Z WAY AUTO SALES	1101 E 26TH STREET	STAR AUTOMOTIVE SALES & SVC INC	441120.00	Used Car Dealer	52	PARK PLACE
	2018	DAWN M FOSTER	1048 W 36TH STREET	FOSTER, DAWN M	485999.00	All Other Passenger Transportation	52	PARK PLACE
	2019	PRECISE AUTO CARE LLC	2480 E LITTLE CREEK RD	PRECISE AUTO CARE LLC	811111.00	General Automotive Repair	19	NORTH CAMELLIA
	2019	BEACH AUTO BROKERS INC	3510 E LITTLE CREEK RD	BEACH AUTO BROKERS INC	441120.00	Used Car Dealer	19	NORTH CAMELLIA
	2019	DRIVE NOW AUTO SALES	2424 E LITTLE CREEK RD	DRIVE NOW AUTO SALES LLC	441120.00	Used Car Dealer	19	NORTH CAMELLIA
	2019	BEACH AUTO BROKERS INC	3510 E LITTLE CREEK RD	BEACH AUTO BROKERS INC	423110.00	Auto Sales Wholesale	19	NORTH CAMELLIA
	2019	MILLER'S NEIGHBORHOOD MARKET #89	4900 HAMPTON BOULEVARD	MILLER OIL CO INC	811192.00	Car Wash	55	LAMBERTS POINT / ODU
	2019	MUDDY PAWS	3700 HAMPTON BOULEVARD	MUDDY PAW GROOMING & RETAIL STORE LLC	812910.00	Pet Services (not Veterinary)	55	LAMBERTS POINT / ODU
	2019	ZIPCAR INC	4900 HAMPTON BOULEVARD	ZIPCAR INC	532111.00	Passenger Car Rental	55	LAMBERTS POINT / ODU
	2019	OLD DOMINION COLLISION & PAINT	1065 W 38TH STREET	EDWARDS, SHAWNTA M	811121.00	Auto Body & Paint Repair	55	LAMBERTS POINT / ODU
	2019	UNIVERSITY CAR CARE	4900 HAMPTON BOULEVARD	APEX AUTOMOTIVE CORP	811111.00	General Automotive Repair	55	LAMBERTS POINT / ODU

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2019	HELPING HANDS AUTO	1062 37TH STREET	HELMS, STEVEN	811111.00	General Automotive Repair	55	LAMBERTS POINT / ODU
	2019	ODU EXXON #157	3801 HAMPTON BOULEVARD	COASTAL INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	55	LAMBERTS POINT / ODU
	2019	MILLER'S NEIGHBORHOOD MARKET #89	4900 HAMPTON BOULEVARD	MILLER OIL CO INC	447110.00	Gas Station @ Convenience Store	55	LAMBERTS POINT / ODU
	2019	SEVEN CITIES RICKSHAWS	1251 W 27TH STREET	SEVEN CITIES RICKSHAWS LLC	485999.00	All Other Passenger Transportation	55	LAMBERTS POINT / ODU
VAR051845	2019	Marine Hydraulics International - Mid Town	1215 Warrington Avenue				56	LAMBERTS POINT INDUSTRIAL
VAR051448	2019	Norfolk Southern Railway Company - Lamberts Point	2200 Redgate Avenue				56	LAMBERTS POINT INDUSTRIAL
	2019	MOHAMMAD CHUGHTAI	913 HULLVIEW AVE	CHUGHTAI, MOHAMMAD	485310.00	Taxi	4	OCEANVIEW
	2019	JIFFY LUBE #131	2463 E LITTLE CREEK RD	COMMONWEALTH LUBES INC	811191.00	Oil Change & Lube Shop	20	SOUTH CAMELLIA
	2019	CONNIE'S BUBBLE "N" PAW PRINTS	2450 STRIBLING LN	CONNIES BUBBLE AND PAW PRINTS INC	812910.00	Pet Services (not Veterinary)	20	SOUTH CAMELLIA
	2019	JOE'S TIRES & RIMS INC	7851 AZALEA GARDEN RD	JOE'S TIRES & RIMS INC	811111.00	General Automotive Repair	20	SOUTH CAMELLIA
	2019	7 ELEVEN 37219A	2475 E LITTLE CREEK RD	RETAIL ENTERPRISES INC	447110.00	Gas Station @ Convenience Store	20	SOUTH CAMELLIA
	2019	MCDONALD GARDEN MARKET	4037 E LITTLE CREEK RD	MCDONALD GARDEN MARKET LLC	444220.00	Nursery & Garden Centers	20	SOUTH CAMELLIA
	2019	JOE'S TIRES & RIMS INC	7851 AZALEA GARDEN RD	JOE'S TIRES & RIMS INC	441320.00	Tire Dealers	20	SOUTH CAMELLIA
	2019	JOE'S TIRES & RIMS INC	7851 AZALEA GARDEN RD	JOE'S TIRES & RIMS INC	423130.00	Tires & Tubes Wholesale	20	SOUTH CAMELLIA
	2019	AZALEA SUPER SERVICE INC	5828 CURLEW DR	AZALEA SUPER SERVICE INC	811111.00	General Automotive Repair	81	RIVER FORREST
	2019	AZALEA SUPER SERVICE INC	5828 CURLEW DR	AZALEA SUPER SERVICE INC	441110.00	New Car Dealer	81	RIVER FORREST
	2019	JOEL'S AUTO WHOLESALE INC	5700 CURLEW DR	JOEL'S AUTO WHOLESALE INC	441120.00	Used Car Dealer	81	RIVER FORREST
	2019	METRO TOWING COMPANY INC	5870 CURLEW DR	METRO TOWING CO INC	488410.00	Tow Truck Services	81	RIVER FORREST
	2019	UNITED DISPOSAL INC	161 WELLMAN STREET	UNITED DISPOSAL INC	562920.00	Material Recovery Facility	81	RIVER FORREST
	2019	LACQUER SPECIALTIES	5815 HARGROVE STREET	DESTE CORP	811111.00	General Automotive Repair	81	RIVER FORREST
	2019	GO AUTOMOTIVE	200 S MILITARY HIGHWAY	GO AUTOMOTIVE LLC	811111.00	General Automotive Repair	81	RIVER FORREST
	2019	RONALD L ALLEN SR	200 BETTY COURT	ALLEN, RONALD L SR	485999.00	All Other Passenger Transportation	81	RIVER FORREST
VAR050357	2019	Security Storage and Van Company of Norfolk VA Inc	5786 Sellger Drive				81	RIVER FORREST
	2019	ROBERT H JOYNER	135 GLEN ECHO DR	JOYNER, ROBERT H	485310.00	Taxi	33	SUBURBAN
	2019	THOMAS E GRAVES	1902 MONTCLAIR AVE	GRAVES, THOMAS EDWARD	532111.00	Passenger Car Rental	88	CAMPOSTELLA HEIGHTS
	2019	POPE AUTOMOTIVE	2400 E INDIAN RIVER RD	COLEMAN, CHRISTOPHER L	811111.00	General Automotive Repair	88	CAMPOSTELLA HEIGHTS
	2019	DAV-MAC AUTO REPAIR	2301 EUSTIS AVE	MCNEAL, DAVID	811111.00	General Automotive Repair	88	CAMPOSTELLA HEIGHTS
	2019	HAPPY SHOPPER	415 CAMPOSTELLA RD	CAMPOSTELLA INC	447190.00	Gas Stations	88	CAMPOSTELLA HEIGHTS
	2019	POPE AUTOMOTIVE	2400 E INDIAN RIVER RD	COLEMAN, CHRISTOPHER L	441120.00	Used Car Dealer	88	CAMPOSTELLA HEIGHTS
	2019	BRYANT USED AUTO PARTS & BODY SHOP	2403 E INDIAN RIVER RD	BRYANT, WILLIAM B	488410.00	Tow Truck Services	88	CAMPOSTELLA HEIGHTS
	2019	HAMPTON ROADS MARINE SERVICES INC	805 FORD DR	HAMPTON ROADS MARINE SERVICES INC	562998.00	Misc Waste Management	88	CAMPOSTELLA HEIGHTS
VAR052302	2019	Bay Disposal & Recycling Corporate Office	2224 Springfield Avenue				88	CAMPOSTELLA HEIGHTS
VAR052191	2019	Six M, LLC	425 Campostella Road				88	CAMPOSTELLA HEIGHTS
VAR050290	2019	Tubbs Auto Parts Incorporated	2215 E Indian River Road				88	CAMPOSTELLA HEIGHTS
	2019	7-ELEVEN STORE #8011-23385	8011 HAMPTON BOULEVARD	SEVEN ELEVEN INC	447110.00	Gas Station @ Convenience Store	27	SEWELLS POINT
	2019	WAWA #8606	8105 HAMPTON BOULEVARD	WAWA INC	447110.00	Gas Station @ Convenience Store	27	SEWELLS POINT
	2019	TRANSPORTATION CONCEPTS INC	8791 HAMPTON BOULEVARD	TRANSPORTATION CONCEPTS INC	485999.00	All Other Passenger Transportation	27	SEWELLS POINT
	2019	BLACK & WHITE CABS	6304 SEWELLS POINT RD	BLACK & WHITE CARS INC	532112.00	Passenger Car Leasing	43	SEWELLS GARDENS
	2019	NORVIEW CARS	6304 SEWELLS POINT RD	NORVIEW CARS INC	532112.00	Passenger Car Leasing	43	SEWELLS GARDENS
	2019	CONCIERGE SERVICES	6304 SEWELLS POINT RD	KELLER, JOHN	485310.00	Taxi	43	SEWELLS GARDENS
	2019	C/O NORVIEW CAR	6304 SEWELLS POINT RD	ONAWOLE, ILESANMI	485310.00	Taxi	43	SEWELLS GARDENS
	2019	C/O NORVIEW CHECKER TAXICAB	6304 SEWELLS POINT RD	BURNEY, STEVEN	485310.00	Taxi	43	SEWELLS GARDENS
	2019	C/O BLACK & WHITE CABS	6304 SEWELLS POINT RD	HUSSAIN, MALIK IMTIAZ	485310.00	Taxi	43	SEWELLS GARDENS
	2019	C/O NORVIEW CAR	6304 SEWELLS POINT RD	THORPE, BRADFORD	485310.00	Taxi	43	SEWELLS GARDENS
	2019	C/O GREEN & WHITE CAB CO	6304 SEWELLS POINT RD	WOOD, FRANCHOTT M	485310.00	Taxi	43	SEWELLS GARDENS
	2019	C/O BLACK & WHITE TAXI	6304 SEWELLS POINT RD	LESEBERG, EVERETT F	485310.00	Taxi	43	SEWELLS GARDENS
	2019	C/O NORVIEW CARS	6304 SEWELLS POINT RD	TARAR, MUHAMMAD A	485310.00	Taxi	43	SEWELLS GARDENS
	2019	DON'S MOBILE AUTO REPAIR	6319 CHESAPEAKE BLVD	DON'S MOBILE AUTO REPAIR INC	811111.00	General Automotive Repair	43	SEWELLS GARDENS
	2019	WALT'S TRANSMISSION CO	1752 WILSON RD	WALT'S TRANSMISSION CO INC	811111.00	General Automotive Repair	89	CAMPOSTELLA
VAR051701	2019	HEPACO, LLC	1301 Marsh Street				89	CAMPOSTELLA
VAR052312	2019	MHI Main Office	543 E Indian River Road				89	CAMPOSTELLA
	2019	HAPPY CRITTER PET SITTING	9312 HICKORY STREET	PHILLIPS, CARLA M M	812910.00	Pet Services (not Veterinary)	8	PAMLICO
	2019	DALE R TAYLOR	604 GRAYDON AVE	TAYLOR, DALE R	485310.00	Taxi	64	GHENT
	2019	JOHN'S MOBILE DETAILING	1213 E BRAMBLETON AVE	MOORE, JOHN T	811192.00	Car Wash	68	TIDEWATER DRIVE INDUSTRIAL
	2019	DIVINE TOUCH MOBILE DETAILING	1213 E BRAMBLETON AVE	PARKER, MARQUIS D	811192.00	Car Wash	68	TIDEWATER DRIVE INDUSTRIAL
	2019	NORFOLK TRUCK CENTER INC	736 TIDEWATER DR	NORFOLK TRUCK CENTER INC	811111.00	General Automotive Repair	68	TIDEWATER DRIVE INDUSTRIAL
	2019	CITY TIRES	1139 E PRINCESS ANNE RD	GHAITH, ABDEL SAMIE	811111.00	General Automotive Repair	68	TIDEWATER DRIVE INDUSTRIAL
VAR052143	2019	Empire Recycling Norfolk	1100 E Princess Anne Road				68	TIDEWATER DRIVE INDUSTRIAL
VAR050351	2019	Gutterman Iron and Metal Corporation	706 May Avenue				68	TIDEWATER DRIVE INDUSTRIAL
	2019	COLONIAL CADILLAC	6222 E VIRGINIA BEACH BLVD	RICK HENDRICK CADILLAC	811111.00	General Automotive Repair	78	MAPLE HALL - HOLLYWOOD
	2019	DRIVETIME	6200 E VIRGINIA BEACH BLVD	DRIVETIME CAR SALES COMPANY LLC	441120.00	Used Car Dealer	78	MAPLE HALL - HOLLYWOOD
	2019	A PAWS 4 KNOWLEDGE	1119 LAND STREET	A PAWS 4 KNOWLEDGE LLC	812910.00	Pet Services (not Veterinary)	78	MAPLE HALL - HOLLYWOOD
	2019	URBAN RECYCLE INC	3436 MANGROVE AVE	URBAN RECYCLE INC	562920.00	Material Recovery Facility	83	INGLESIDE
	2019	NICKYS AUTOMOTIVE & CUSTOM CYCLE SHOP	3435 MANGROVE AVE	AL'S TOWING OF VIRGINIA INC	811111.00	General Automotive Repair	83	INGLESIDE
	2019	SCOTT HAULING & MOBILE REPAIRS	3440 TRANT AVE	SCOTT, DAVID A	811111.00	General Automotive Repair	83	INGLESIDE
	2019	CITGO MART	985 INGLESIDE RD	JIMMY ENTERPRISES INC	447110.00	Gas Station @ Convenience Store	83	INGLESIDE
	2019	NICKYS AUTOMOTIVE & CUSTOM CYCLE SHOP	3435 MANGROVE AVE	AL'S TOWING OF VIRGINIA INC	488410.00	Tow Truck Services	83	INGLESIDE
	2019	BIG JOE'S TOW PRO	3435 MANGROVE AVE	BIG JOE'S TOW PRO INC	488410.00	Tow Truck Services	83	INGLESIDE

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	2019	FAIRBANKS MORSE ENGINE DIVISION	981 SCOTT STREET	ENPRO INDUSTRIES INC	811111.00	General Automotive Repair	83	INGLESIDE
VAR051467	2019	Virginia Paving Company - Norfolk	3431 Trant Avenue				83	INGLESIDE
	2019	NUMAN CHAUDHRY	417 W 20TH STREET	CHAUDHRY, NUMAN	485999.00	All Other Passenger Transportation	63	EAST GHENT
	2019	OTTACAM AUTOMOTIVE	804 ORAPAX STREET	OTTACAM AUTOMOTIVE INC	811111.00	General Automotive Repair	60	MEDICAL CENTER
VAR052162	2019	NASSCO - Norfolk Mid-Atlantic	1118 Warrington Avenue				60	MEDICAL CENTER
VAR050771	2019	Atlantic Paper Stock	1832 Church Street				66	HUNTERSVILLE
	2019	BAY AUTOMOTIVE CORPORATION	4201 COLLEY AVE	BAY AUTOMOTIVE CORPORATION	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	7-ELEVEN STORE 24641A	3805 COLLEY AVE	RANDHAWA, MANPREET S	447190.00	Gas Stations	54	NORTH COLLEY
	2019	BAY AUTOMOTIVE CORPORATION	4201 COLLEY AVE	BAY AUTOMOTIVE CORPORATION	441120.00	Used Car Dealer	54	NORTH COLLEY
	2019	HAPPY TAILS	861 46TH STREET	DOG SWIM CAMP & DAY CARE INC	812910.00	Pet Services (not Veterinary)	54	NORTH COLLEY
	2019	WRECKER BOYZ AUTO REPAIR	810 W 39TH STREET	CRESPO ENTERPRISES INC	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	TNV PROFESSIONAL SERVICES	845 44TH STREET	NGUYEN, JOHN THIEP	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	LEE'S AUTO SERVICE	837 W 44TH STREET	PLATT, LEON W	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	ADAMS AUTOMOTIVE CENTER INC	844 W 39TH STREET	ADAMS AUTOMOTIVE CENTER INC	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	OLD DOMINION AUTOMOTIVE	850 W 40TH STREET	OLD DOMINION AUTO & TRANSMISSION LLC	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	ROAD RUNNER TOWING	810 W 39TH STREET	CRESPO ENTERPRISES INC	488410.00	Tow Truck Services	54	NORTH COLLEY
	2019	FARM FRESH #55408	201 E BERKLEY AVE	FF ACQUISITION LLC	447190.00	Gas Stations	90	BERKLEY
	2019	KINDER MORGAN VIRGINIA LIQUIDS TERMINALS	1000 LANSING STREET	KINDER MORGAN VIRGINIA LIQUIDS TERMINALS LLC	493110.01	Chemical Storage Warehousing	90	BERKLEY
VAR052316	2019	Kinder Morgan Norfolk Terminal	1000 Lansing Street				90	BERKLEY
VAR050382	2019	Marine Oil Service Incorporated	1421 South Main Street				90	BERKLEY
VAR050487	2019	United States Gypsum Company - Norfolk	1424 South Main Street				90	BERKLEY
	2020	ENTERPRISE RENT-A-CAR	912 W LITTLE CREEK RD	ENTERPRISE LEASING CO OF NFLK/RICH	532112.00	Passenger Car Leasing	31	TITUSTOWN
	2020	D & D CYCLES	1038 W LITTLE CREEK RD	WAYBRY CORP	811111.00	General Automotive Repair	31	TITUSTOWN
	2020	UNIVERSAL-MART	1033 W LITTLE CREEK RD	TRIDEV INC	447110.00	Gas Station @ Convenience Store	31	TITUSTOWN
	2020	7-ELEVEN #39325B	774 W LITTLE CREEK RD	MILLERS II LLC	447110.00	Gas Station @ Convenience Store	31	TITUSTOWN
	2020	ED'S HOME IMPROVEMENTS	6137 MILLER STORE RD	LEISKER, EDWARD FRANK JR	811192.00	Car Wash	76	LAKE TAYLOR
	2020	FREEDOM WASH	1200 N MILITARY HWY	MILITARY FREEDOM WASH LLC	811192.00	Car Wash	76	LAKE TAYLOR
	2020	NISSAN OF NORFOLK	1250 N MILITARY HWY	NISSAN OF NORFOLK LLC	532111.00	Passenger Car Rental	76	LAKE TAYLOR
	2020	PEP BOYS-MANNY MOE & JACK #111	1230 N MILITARY HWY	PEP BOYS-MANNY MOE & JACK	811111.00	General Automotive Repair	76	LAKE TAYLOR
	2020	NISSAN OF NORFOLK	1250 N MILITARY HWY	NISSAN OF NORFOLK LLC	811111.00	General Automotive Repair	76	LAKE TAYLOR
	2020	JONES BUILT SPEED & CUSTOM	6137 MILLER STORE RD	JONES, EDWARD N	811111.00	General Automotive Repair	76	LAKE TAYLOR
	2020	FARM FRESH SUPERMARKET #55467	1200 N MILITARY HWY	FF ACQUISITION LLC	447190.00	Gas Stations	76	LAKE TAYLOR
	2020	NISSAN OF NORFOLK	1250 N MILITARY HWY	NISSAN OF NORFOLK LLC	441110.00	New Car Dealer	76	LAKE TAYLOR
	2020	NISSAN OF NORFOLK	1250 N MILITARY HWY	NISSAN OF NORFOLK LLC	423110.00	Auto Sales Wholesale	76	LAKE TAYLOR
	2020	THE BEST DOGS IN LARCHMONT	1409 BUCKINGHAM AVE	BEST DOGS IN LARCHMONT LLC, THE	812910.00	Pet Services (not Veterinary)	37	EDGEWATER - LARCHMONT
	2020	GORDON AUDIO	5217 ARGALL AVE	BOES, BRIAN G	811118.00	Auto Mechanical & Electrical Repair	37	EDGEWATER - LARCHMONT
	2020	PHIL'S STYLIN' RIDES	1353 WESTMORELAND AVE	GRATHWOL, PHILIP	485999.00	All Other Passenger Transportation	37	EDGEWATER - LARCHMONT
	2020	BARRY'S PERFORMANCE IMPORTS	2131 CROMWELL RD	BPI INC	811111.00	General Automotive Repair	50	BALLENTINE PARK
	2020	CHRISTIAN A TORRES	2766 MCKANN AVE	TORRES, CHRISTIAN A	485999.00	All Other Passenger Transportation	50	BALLENTINE PARK
	2020	CROMWELL BP	3210 CHESAPEAKE BLVD	TIDEWATER CONVENIENCE INC	811192.00	Car Wash	50	BALLENTINE PARK
	2020	GALE L ROSE-CARMACK	2851 BALLENTINE BLVD	ROSE-CARMACK, GALE L	812910.00	Pet Services (not Veterinary)	50	BALLENTINE PARK
	2020	CROMWELL BP	3210 CHESAPEAKE BLVD	TIDEWATER CONVENIENCE INC	447110.00	Gas Station @ Convenience Store	50	BALLENTINE PARK
VAR051796	2020	Norfolk City- Streets and Bridges - McKann Avenue	2205 McKann Avenue				50	BALLENTINE PARK
	2020	DODGES STORE	8110 HAMPTON BOULEVARD	H & D OIL CO INC	447110.00	Gas Station @ Convenience Store	28	GLENWOOD PARK
	2020	DAYOAN LAUNDRY & CAR WASH USA	1203 W LITTLE CREEK RD	DAYOAN, JOSE M	811192.00	Car Wash	30	NORTH SHORE
	2020	JOHN F ONEIL	7720 ENFIELD AVE	O'NEIL, JOHN F	485310.00	Taxi	30	NORTH SHORE
	2020	ALFRED MOORE III	1307 MILTON STREET	MOORE, ALFRED III	485310.00	Taxi	30	NORTH SHORE
	2020	O'REILLY AUTO PARTS #2000	7720 HAMPTON BOULEVARD	O'REILLY AUTOMOTIVE STORES INC	423110.00	Auto Sales Wholesale	30	NORTH SHORE
	2020	SUN DOGS MOBILE PET SALON	283 SIR OLIVER RD	CAGNEY, MARY F	812910.00	Pet Services (not Veterinary)	36	TALBOT PARK
	2020	THE BOWMEOW LLC	219 SOUTH BLAKE ROAD	BOWMEOW LLC, THE	812910.00	Pet Services (not Veterinary)	36	TALBOT PARK
	2020	ENTERPRISE LEASING CO OF NFLK/RICH	9000 HAMPTON BOULEVARD	ENTERPRISE LEASING CO OF NFLK/RICH	532111.00	Passenger Car Rental	26	NAVAL BASE
	2020	TRASH TREASURE JUNKMEN	301 NAVAL BASE RD	ALSTON, ANTWAIN & ALSTON, RONALD	562119.01	Junk Dealer	39	NAVAL BASE ROAD
	2020	DOODY CALLS	385 NAVAL BASE RD	R BARQUE LLC	812910.00	Pet Services (not Veterinary)	39	NAVAL BASE ROAD
	2020	HONDA OF NORFOLK	6955 TIDEWATER DR	LTGB LLC	811111.00	General Automotive Repair	39	NAVAL BASE ROAD
	2020	GENTRY'S MOBILE REPAIR	385 NAVAL BASE RD	GENTRY, THOMAS H III	811111.00	General Automotive Repair	39	NAVAL BASE ROAD
	2020	FAMILY CAR WASH INC	5007 E PRINCESS ANNE RD	FAMILY CAR WASH INC	811192.00	Car Wash	75	RIVER OAKS
	2020	CALVARY CARS & SERVICE INC	1417 N MILITARY HWY	CALVARY CARS & SERVICE INC	811111.00	General Automotive Repair	75	RIVER OAKS
	2020	PRINCESS ANNE AUTOMOTIVE CENTER	5333 E PRINCESS ANNE RD	VIC & NOLI LLC	811111.00	General Automotive Repair	75	RIVER OAKS
	2020	EXPRESS TIRE & AUTO REPAIR	5045 E PRINCESS ANNE RD	GOSSET INC	811111.00	General Automotive Repair	75	RIVER OAKS
	2020	SUBTRACK FOOD MART	5369 E PRINCESS ANNE RD	AMBEMA LLC	447110.00	Gas Station @ Convenience Store	75	RIVER OAKS
	2020	EXPRESS TIRE & AUTO REPAIR	5045 E PRINCESS ANNE RD	GOSSET INC	441320.00	Tire Dealers	75	RIVER OAKS
	2020	DOUBLE J MOTORS INC	5601 E PRINCESS ANNE RD	DOUBLE J MOTORS INC	441120.00	Used Car Dealer	75	RIVER OAKS
	2020	AUTO EXPRESS II	5029 E PRINCESS ANNE RD	GOSSETT INC	441120.00	Used Car Dealer	75	RIVER OAKS
	2020	JAY DA MAN ENTERPRISES LLC	5129 SOUTH CAPE HENRY AVENUE	JAY DA MAN ENTERPRISES LLC	811111.00	General Automotive Repair	75	RIVER OAKS
	2020	7-ELEVEN STORE #39586A	6100 TIDEWATER DR	RIGHTEOUS ACTS LLC	811192.00	Car Wash	34	ROLAND PARK
	2020	AUTOMASTERS EXPRESS CARE	6100 TIDEWATER DR	AUTOMASTERS OF ASHEBORO LLC	811191.00	Oil Change & Lube Shop	34	ROLAND PARK
	2020	7-ELEVEN STORE #39586A	6100 TIDEWATER DR	RIGHTEOUS ACTS LLC	447110.00	Gas Station @ Convenience Store	34	ROLAND PARK
VAR050293	2020	Carroll Trucking Incorporated	6300 Tidewater Drive				34	ROLAND PARK

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities

VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2020	FASTREK AZALEA	2335 AZALEA GARDEN RD	SAIRAM ENTERPRISE INC	447110.00	Gas Station @ Convenience Store	48	FOXHALL
	2020	7-ELEVEN STORE #24025A	3112 AZALEA GARDEN RD	AYO, ARTURO D	447190.00	Gas Stations	48	FOXHALL
	2020	NU WHEELS	2675 AZALEA GARDEN RD	E'DSCO CORP	423110.00	Auto Sales Wholesale	48	FOXHALL
	2020	HILLIARD AUTO & TRUCK REPAIR	2313 MOHAWK STREET	HILLIARD, JOHN L	811111.00	General Automotive Repair	48	FOXHALL
	2020	ED'S RODS & RECKS	2320 MOHAWK STREET	MURMILLO, EDWARD W & REMONA	811111.00	General Automotive Repair	48	FOXHALL
	2020	ALL PRO AUTO REPAIR	2328 AZALEA GARDEN RD	HARRIS, BRIAN K	811111.00	General Automotive Repair	48	FOXHALL
	2020	CHURCH STREET BP	800 E BRAMBLETON AVE	TIDEWATER CONVENIENCE INC	811192.00	Car Wash	65	TIDEWATER - YOUNG PARK
	2020	ONE STOP FOOD MART #351	900 E BRAMBLETON AVE	J & M INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	65	TIDEWATER - YOUNG PARK
	2020	CHURCH STREET BP	800 E BRAMBLETON AVE	TIDEWATER CONVENIENCE INC	447110.00	Gas Station @ Convenience Store	65	TIDEWATER - YOUNG PARK
	2020	HOLIDAY FOOD STORE #405	418 SAINT PAULS BLVD	SUPREME PETROLEUM INC	447110.00	Gas Station @ Convenience Store	65	TIDEWATER - YOUNG PARK
VAR050301	2020	US Postal Svs - Vehicle Maintenance Fac - Norfolk	600 Church Street				65	TIDEWATER - YOUNG PARK
	2020	7-ELEVEN STORE #36467A	357 W OCEAN VIEW AVE	PTE INC	447190.00	Gas Stations	1	WILLOUGHBY
	2020	REBEL MARINE SERVICE INC	1553 BAYVILLE STREET	REBEL MARINE SERVICE INC	713930.00	Marina	1	WILLOUGHBY
	2020	WILLOUGHBY HARBOR MARINA	1525 BAYVILLE STREET	WILLOUGHBY HARBOR PARTNERS LP	713930.00	Marina	1	WILLOUGHBY
	2020	YACHT SYSTEMS SERVICES	1553 BAYVILLE STREET	YACHT SYSTEMS SERVICES INC	811111.00	General Automotive Repair	1	WILLOUGHBY
	2020	CALIFORNIA STYLE DETAILING	999 WATERSIDE DR	MARTIN, JOHN A	811192.00	Car Wash	59	DOWNTOWN
	2020	ENTERPRISE RENT-A-CAR	751 MONTICELLO AVE	ENTERPRISE LEASING CO OF NFLK/RICH	532112.00	Passenger Car Leasing	59	DOWNTOWN
	2020	PARKER OIL CO INC	857 MONTICELLO AVE	PARKER OIL CO INC	447190.00	Gas Stations	59	DOWNTOWN
	2020	GRANBY ST PALMS LLC	425 MONTICELLO AVE	GRANBY ST PALMS LLC	444220.00	Nursery & Garden Centers	59	DOWNTOWN
	2020	MARINE OIL SERVICE INC	201 E CITY HALL AVE	MARINE OIL SERVICE INC	562111.00	Solid Waste Collection	59	DOWNTOWN
	2020	DOWNTOWN PIT STOP	770 BOUSH STREET	WOODFIN HEATING INC	811192.00	Car Wash	59	DOWNTOWN
	2020	PETS MATE	201 W TAZEWELL STREET	PETS MATE LLC	812910.00	Pet Services (not Veterinary)	59	DOWNTOWN
	2020	DOWNTOWN PIT STOP	770 BOUSH STREET	WOODFIN HEATING INC	447190.00	Gas Stations	59	DOWNTOWN
	2020	TRANSPORTATION KINGZ LLC	259 GRANBY STREET	TRANSPORTATION KINGZ LLC	485999.00	All Other Passenger Transportation	59	DOWNTOWN
	2020	C & P MOBILE AUTO REPAIR	1813 BOURBON AVE	WILLOUGHBY, LAMONT D	811111.00	General Automotive Repair	51	LAYFAYETTE
	2020	ONE STOP FOOD MART #355	2628 TIDEWATER DR	J & M INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	51	LAYFAYETTE
	2020	MAJESTIC WAD LLC	3106 PERONNE AVE	MAJESTIC WAD LLC	485310.00	Taxi	51	LAYFAYETTE
	2020	O'REILLY AUTO PARTS #4479	3212 TIDEWATER DR	O'REILLY AUTOMOTIVE STORES INC	423110.00	Auto Sales Wholesale	51	LAYFAYETTE
	2020	BARNEYS BUDDIES LLC	1741 TAIT TERRACE	BARNEYS BUDDIES LLC	812910.00	Pet Services (not Veterinary)	51	LAYFAYETTE
	2020	MITCH'S BRAKE & MUFFLER	2801 LAFAYETTE BOULVARD	MITCH'S BRAKE & MUFFLER INC	811111.00	General Automotive Repair	51	LAYFAYETTE
	2020	TINEE GIANT #172	2001 LAFAYETTE BOULVARD	COASTAL INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	51	LAYFAYETTE
VAR052227	2020	US Postal Service - Lafayette Station	2655 Tidewater Drive				51	LAYFAYETTE
	2020	7-ELEVEN STORE #25925A	8595 TIDEWATER DR	PTE INC	811192.00	Car Wash	11	NORTHSIDE
	2020	POISED PUPS	145 E LEICESTER AVE	POISED PUPS LLC	812910.00	Pet Services (not Veterinary)	11	NORTHSIDE
	2020	7-ELEVEN STORE #25925A	8595 TIDEWATER DR	PTE INC	447110.00	Gas Station @ Convenience Store	11	NORTHSIDE
	2020	SRB LIMOUSINE LLC	167 E EVANS STREET	SRB LIMOUSINE LLC	485320.00	Limousine Services	11	NORTHSIDE
	2020	GEORGE WYNN	6949 SEWELLS POINT RD	WYNN, GEORGE NATHANIEL	562119.01	Junk Dealer	40	CHESAPEAKE MANOR
	2020	D L SHADY GARAGE	7425 SEWELLS POINT RD	SHADY, DENNIS L	811111.00	General Automotive Repair	40	CHESAPEAKE MANOR
	2020	WAL-MART SUPERCENTER #5488	7530 TIDEWATER DR	WAL-MART STORES EAST LP	811111.00	General Automotive Repair	40	CHESAPEAKE MANOR
	2020	HERMAN'S MOBILE AUTO REPAIR	7419 SEWELLS POINT RD	COUNCIL, HERMAN J	811111.00	General Automotive Repair	40	CHESAPEAKE MANOR
	2020	M & M AUTO CARE	7425 SEWELLS POINT RD.	GIVENS, MARCUS A	811111.00	General Automotive Repair	40	CHESAPEAKE MANOR
	2020	SAM'S CLUB #4733 GAS STATION	7530 TIDEWATER DR	SAM'S EAST INC	447190.00	Gas Stations	40	CHESAPEAKE MANOR
	2020	K MART #4988 (GAS & CONV STORE)	6101 N MILITARY HWY	K MART CORP	447110.00	Gas Station @ Convenience Store	44	EAST NORVIEW
	2020	WAWA #8628	6301 N MILITARY HWY	WAWA INC	447110.00	Gas Station @ Convenience Store	44	EAST NORVIEW
	2020	7-ELEVEN STORE #36463A	8594 TIDEWATER DR	PTE INC	447190.00	Gas Stations	12	OCEANAIR
	2020	BAYVIEW BP	8595 CHESAPEAKE BLVD	HORTON & WHO LLC	811111.00	General Automotive Repair	12	OCEANAIR
	2020	BAYVIEW BP	8595 CHESAPEAKE BLVD	HORTON & WHO LLC	447190.00	Gas Stations	12	OCEANAIR
	2020	JAY JAY'S CAR WASH	4126 LLEWELLYN AVE	REAL CHANCE LLC	811192.00	Car Wash	53	COLONIAL PLACE
	2020	WARD, LARRY JUNIOR	4507 COLONIAL AVE	WARD JR, LARRY	562119.01	Junk Dealer	53	COLONIAL PLACE
	2020	ARVO AUTO RESTORATION	4809 COLONIAL AVE	ARVO AUTO RESTORATION LLC	811121.00	Auto Body & Paint Repair	53	COLONIAL PLACE
	2020	BIG AL'S MUFFLERS & BRAKES	3930 GRANBY STREET	ANZELL AUTOMOTIVE INC	811111.00	General Automotive Repair	53	COLONIAL PLACE
	2020	GRANBY SHELL	4225 GRANBY STREET	GRANBY MOBIL CORP	811111.00	General Automotive Repair	53	COLONIAL PLACE
	2020	RIVERVIEW SHELL	4002 GRANBY STREET	COLVIEW CORP	447110.00	Gas Station @ Convenience Store	53	COLONIAL PLACE
	2020	GRANBY SHELL	4225 GRANBY STREET	GRANBY MOBIL CORP	447110.00	Gas Station @ Convenience Store	53	COLONIAL PLACE
	2020	7-ELEVEN STORE#23323A	3800 GRANBY STREET	BHATTI, MANPREET	447110.00	Gas Station @ Convenience Store	53	COLONIAL PLACE
	2021	URBAN RECYCLE INC	500 NAVAL BASE RD	URBAN RECYCLE INC	562920.00	Material Recovery Facility	38	DENBY PARK
	2021	SOUTHERN AUTO SALES & RENTALS INC	7467 TIDEWATER DR	SOUTHERN AUTO SALES AND RENTALS	532111.00	Passenger Car Rental	38	DENBY PARK
	2021	BIG AL'S MUFFLERS & BRAKES	287 E LITTLE CREEK RD	ANZELL AUTOMOTIVE INC	811111.00	General Automotive Repair	38	DENBY PARK
	2021	BRESS AUTO SERVICE	7471 TIDEWATER DR	BRESS, ROGER ALLEN	811111.00	General Automotive Repair	38	DENBY PARK
	2021	RACE COAST	303 E LITTLE CREEK RD	SS OPCO I LLC	447110.00	Gas Station @ Convenience Store	38	DENBY PARK
	2021	7-ELEVEN STORE #19108A	7431 TIDEWATER DR	MCM INVESTMENT INC	447190.00	Gas Stations	38	DENBY PARK
	2021	LOVE FOOD MART 10	303 E LITTLE CREEK RD	HARE RAM INC	447190.00	Gas Stations	38	DENBY PARK
	2021	SOUTHERN AUTO SALES & RENTALS INC	7467 TIDEWATER DR	SOUTHERN AUTO SALES AND RENTALS	441120.00	Used Car Dealer	38	DENBY PARK
	2021	HAPPY PLACE	5548 BROOKVILLE RD	HAPPY PLACE LLC	812910.00	Pet Services (not Veterinary)	84	POPLAR HALLS
	2021	PAPCO INC	930 BRIAR HILL RD	PAPCO INC	447110.00	Gas Station @ Convenience Store	84	POPLAR HALLS
	2021	TIDEWATER DRIVE AUTO SALES INC	5585 E VIRGINIA BEACH BLVD	TIDEWATER DRIVE AUTO SALES INC	441110.00	New Car Dealer	84	POPLAR HALLS
	2021	GORDON MOTOR AUTO SALES INC	5203 E VIRGINIA BEACH BLVD	GORDON MOTOR AUTO SALES INC	441120.00	Used Car Dealer	84	POPLAR HALLS
	2021	AUTO OUTLET SALES & RENTAL LLC	5573 E VIRGINIA BEACH BLVD	AUTO OUTLET SALES & RENTAL LLC	441120.00	Used Car Dealer	84	POPLAR HALLS

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities								
VPDES Permit No.	Fiscal Year Proposed Inspection Date	Commerical / Industrial Name	Address	Owner Name	NAIC_Code	Class	Planning District #	Planning District Name
	2021	TRINITY PRE OWNED AUTO SALES	5139 E VIRGINIA BEACH BLVD	TRINITY PRE OWNED AUTO SALES INC	441120.00	Used Car Dealer	84	POPLAR HALLS
	2021	D'S TOWING	460 PEPPER MILL LN	DOXIE, ARNOLD	488410.00	Tow Truck Services	84	POPLAR HALLS
	2021	WHISKERS & PAWS	8028 ROXBORO RD	DEY, RICHELE A	812910.00	Pet Services (not Veterinary)	16	OAKDALE FARMS
	2021	POSH PET SITTING AND TRAINING	8234 MERCER DR	CUELLAR, PAULA L	812910.00	Pet Services (not Veterinary)	16	OAKDALE FARMS
	2021	AVIS RENT A CAR	2200 NORVIEW AVE	AVIS RENT A CAR SYSTEM LLC	532111.00	Passenger Car Rental	23	NORFOLK INTERNATIONAL AIRPORT
	2021	BUDGET RENT A CAR SYSTEM INC	2200 NORVIEW AVE	BUDGET RENT A CAR SYSTEM INC	532111.00	Passenger Car Rental	23	NORFOLK INTERNATIONAL AIRPORT
	2021	DOLLAR RENT A CAR	2200 NORVIEW AVE	DTG OPERATIONS INC	532111.00	Passenger Car Rental	23	NORFOLK INTERNATIONAL AIRPORT
	2021	THRIFTY CAR RENTAL	2200 NORVIEW AVE	DTG OPERATIONS INC	532111.00	Passenger Car Rental	23	NORFOLK INTERNATIONAL AIRPORT
	2021	ENTERPRISE RENT-A-CAR	2200 NORVIEW AVE	ENTERPRISE LEASING CO OF NFLK/RICH	532111.00	Passenger Car Rental	23	NORFOLK INTERNATIONAL AIRPORT
	2021	HERTZ LOCAL EDITION	6101 BURTON STATION RD	HERTZ CORP, THE	532111.00	Passenger Car Rental	23	NORFOLK INTERNATIONAL AIRPORT
	2021	THE HERTZ CORP	2200 NORVIEW AVE	HERTZ CORP, THE	532111.00	Passenger Car Rental	23	NORFOLK INTERNATIONAL AIRPORT
	2021	NATIONAL CAR RENTAL/ALAMO CAR RENTAL	2200 NORVIEW AVE	ENTERPRISE LEASING CO OF NFLK/RIC L	532111.00	Passenger Car Rental	23	NORFOLK INTERNATIONAL AIRPORT
	2021	PRIDE ROC	880 WIDGEON RD	MURPHY, DAVID A	811192.00	Car Wash	42	CORONADO
	2021	KNIGHT'S SERVICE CENTER	6575 TIDEWATER DR	KNIGHT, DANIEL W	811111.00	General Automotive Repair	42	CORONADO
	2021	BAHIA AUTO SALES	6581 TIDEWATER DR	BAHIA AUTO COMPANY	811111.00	General Automotive Repair	42	CORONADO
	2021	DAVE LISTON'S AUTO OUTLET	6907 SEWELLS POINT RD	LISTON, DAVID J	441120.00	Used Car Dealer	42	CORONADO
	2021	TAURUS AUTO SALES	6581 TIDEWATER DR	VIRGINIA ATLANTIC TRADING LLC	441120.00	Used Car Dealer	42	CORONADO
	2021	BAHIA AUTO SALES	6581 TIDEWATER DR	BAHIA AUTO COMPANY	441120.00	Used Car Dealer	42	CORONADO
	2021	EXECUTIVE ATLANTIC LLC	888 WIDGEON RD	EXECUTIVE ATLANTIC LLC	485320.00	Limousine Services	42	CORONADO
	2021	TAKE ME DOWN TOWN LLC	888 WIDGEON RD	TAKE ME DOWN TOWN LLC	485320.00	Limousine Services	42	CORONADO
	2021	DAVE LISTON'S AUTO OUTLET	6907 SEWELLS POINT RD	LISTON, DAVID J	423110.00	Auto Sales Wholesale	42	CORONADO
	2021	JJK ENTERPRISES #229	2701 E OCEAN VIEW AVE	JJK ENTERPRISES INC	447110.00	Gas Station @ Convenience Store	6	PRETTY LAKE
	2021	SCRUBBERS WASH AND WAX	719 MAURY AVE	AVEN, DAVID M	811192.00	Car Wash	62	NORTH GHENT
	2021	JOE'S TIRES & RIMS INC	6000 E VIRGINIA BEACH BLVD	JOE'S TIRES & RIMS INC	811111.00	General Automotive Repair	77	LAKE TERRACE
	2021	J & M TIRE	6100 E VIRGINIA BEACH BLVD	PBM INC	811111.00	General Automotive Repair	77	LAKE TERRACE
	2021	RT MOTORCYCLE & AUTO	6106 E VIRGINIA BEACH BLVD	RICHARDSON, KERRY THEODORE	811111.00	General Automotive Repair	77	LAKE TERRACE
	2021	JOE'S TIRES & RIMS INC	6000 E VIRGINIA BEACH BLVD	JOE'S TIRES & RIMS INC	441320.00	Tire Dealers	77	LAKE TERRACE
	2021	BEACH AUTO	6030 E VIRGINIA BEACH BLVD	MAR-PAT INC	441120.00	Used Car Dealer	77	LAKE TERRACE
	2021	JOE'S TIRES & RIMS INC	6000 E VIRGINIA BEACH BLVD	JOE'S TIRES & RIMS INC	423130.00	Tires & Tubes Wholesale	77	LAKE TERRACE
	2021	INTERNATIONAL AUTO CARE LLC	2390 E LITTLE CREEK RD	INTERNATIONAL AUTO CARE LLC	811111.00	General Automotive Repair	18	ROOSEVELT GARDENS
	2021	BOOTY THE JUNK MAN	1343 BRANCH RD	CAREY, CRAWFORD P	562119.01	Junk Dealer	41	ROSEMONT
	2021	NEW HORIZON BUS CO INC	7607 EVELYN T BUTTS AVE	NEW HORIZON BUS CO INC	485999.00	All Other Passenger Transportation	41	ROSEMONT
	2021	R T BODY SHOP INC	7615 MERRITT STREET	R T BODY SHOP INC	811111.00	General Automotive Repair	41	ROSEMONT
	2021	7-ELEVEN 25098A	1000 E BAYVIEW BOULEVARD	FISCHER ENTERPRISES INC	447110.00	Gas Station @ Convenience Store	13	WILLOW TERRACE
	2021	ATTA-BOY PET SITTING SERVICE	1670 COUGAR AVE	DOUGLAS, STEVEN M	812910.00	Pet Services (not Veterinary)	17	BEL-AIRE
	2021	STAR MINI MART	1542 E LITTLE CREEK RD	ZARA & ZARIN CORPORATION	447110.00	Gas Station @ Convenience Store	17	BEL-AIRE
	2021	PRIDE AUTOMOTIVE CORP	1530 E LITTLE CREEK RD	PRIDE AUTOMOTIVE CORP	441120.00	Used Car Dealer	17	BEL-AIRE
	2021	DOMINION LIMO LLC	8110 ANGLEWOOD CT	DOMINION LIMO LLC	485320.00	Limousine Services	17	BEL-AIRE
	2021	CAR-MATIC SYSTEMS	3111 E VIRGINIA BEACH BLVD	C-TECH INC	811111.00	General Automotive Repair	70	LIBERTY - ROBERTS PARK
	2021	THE TIRE STORE INC	3013 E VIRGINIA BEACH BLVD	TIRE STORE INC, THE	811111.00	General Automotive Repair	70	LIBERTY - ROBERTS PARK
	2021	THE TIRE STORE INC	3013 E VIRGINIA BEACH BLVD	TIRE STORE INC, THE	441320.00	Tire Dealers	70	LIBERTY - ROBERTS PARK
	2021	WIGGINS TRANSPORT	2721 MYRTLE AVE	WIGGINS, LINWOOD I JR	485999.00	All Other Passenger Transportation	70	LIBERTY - ROBERTS PARK
	2021	INGLESIDE BP	3025 E VIRGINIA BEACH BLVD	TIDEWATER CONVENIENCE INC	447110.00	Gas Station @ Convenience Store	70	LIBERTY - ROBERTS PARK

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities - FY19

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
	2019	Jul-18	8/2/18	HELPING HANDS AUTO	1062 37TH STREET	HELMS, STEVEN	811111.00	General Automotive Repair	55	LAMBERTS POINT / ODU
	2019	Jul-18	8/2/18	OLD DOMINION COLLISION & PAINT	1065 W 38TH STREET	EDWARDS, SHAWNTA M	811121.00	Auto Body & Paint Repair	55	LAMBERTS POINT / ODU
VAR051845	2019	Jul-18	8/2/18	Marine Hydraulics International - Mid Town	1215 Warrington Avenue				56	LAMBERTS POINT INDUSTRIAL
	2019	Jul-18	8/2/18	SEVEN CITIES RICKSHAWS	1251 W 27TH STREET	SEVEN CITIES RICKSHAWS LLC	485999.00	All Other Passenger Transportation	55	LAMBERTS POINT / ODU
VAR051448	2019	Jul-18	8/2/18	Norfolk Southern Railway Company - Lamberts Point	2200 Redgate Avenue				56	LAMBERTS POINT INDUSTRIAL
	2019	Jul-18	8/2/18	DRIVE NOW AUTO SALES	2424 E LITTLE CREEK RD	DRIVE NOW AUTO SALES LLC	441120.00	Used Car Dealer	19	NORTH CAMELLIA
	2019	Jul-18	8/2/18	BEACH AUTO BROKERS INC	3510 E LITTLE CREEK RD	BEACH AUTO BROKERS INC	441120.00	Used Car Dealer	19	NORTH CAMELLIA
	2019	Jul-18	8/2/18	BEACH AUTO BROKERS INC	3510 E LITTLE CREEK RD	BEACH AUTO BROKERS INC	423110.00	Auto Sales Wholesale	19	NORTH CAMELLIA
	2019	Jul-18	8/2/18	MUDDY PAWS	3700 HAMPTON BOULEVARD	MUDDY PAW GROOMING & RETAIL STORE LLC	812910.00	Pet Services (not Veterinary)	55	LAMBERTS POINT / ODU
	2019	Jul-18	8/2/18	ODU EXXON #157	3801 HAMPTON BOULEVARD	COASTAL INVESTMENTS INC	447110.00	Gas Station @ Convenience Store	55	LAMBERTS POINT / ODU
	2019	Jul-18	8/2/18	MILLER'S NEIGHBORHOOD MARKET #89	4900 HAMPTON BOULEVARD	MILLER OIL CO INC	811192.00	Car Wash	55	LAMBERTS POINT / ODU
	2019	Jul-18	8/2/18	ZIPCAR INC	4900 HAMPTON BOULEVARD	ZIPCAR INC	532111.00	Passenger Car Rental	55	LAMBERTS POINT / ODU
	2019	Jul-18	8/2/18	UNIVERSITY CAR CARE	4900 HAMPTON BOULEVARD	APEX AUTOMOTIVE CORP	811111.00	General Automotive Repair	55	LAMBERTS POINT / ODU
	2019	Jul-18	8/2/18	MILLER'S NEIGHBORHOOD MARKET #89	4900 HAMPTON BOULEVARD	MILLER OIL CO INC	447110.00	Gas Station @ Convenience Store	55	LAMBERTS POINT / ODU
	2019	Jul-18	8/2/18	PRECISE AUTO CARE LLC		PRECISE AUTO CARE LLC	811111.00	General Automotive Repair	19	NORTH CAMELLIA
	2019	Aug-18	8/9/18	CONNIE'S BUBBLE "N" PAW PRINTS	2450 STRIBLING LN	CONNIES BUBBLE AND PAW PRINTS INC	812910.00	Pet Services (not Veterinary)	20	SOUTH CAMELLIA
	2019	Aug-18	8/9/18	JIFFY LUBE #131	2463 E LITTLE CREEK RD	COMMONWEALTH LUBES INC	811191.00	Oil Change & Lube Shop	20	SOUTH CAMELLIA
	2019	Aug-18	8/9/18	7 ELEVEN 37219A	2475 E LITTLE CREEK RD	RETAIL ENTERPRISES INC	447110.00	Gas Station @ Convenience Store	20	SOUTH CAMELLIA
	2019	Aug-18	8/9/18	MCDONALD GARDEN MARKET	4037 E LITTLE CREEK RD	MCDONALD GARDEN MARKET LLC	444220.00	Nursery & Garden Centers	20	SOUTH CAMELLIA
	2019	Aug-18	8/9/18	JOE'S TIRES & RIMS INC	7851 AZALEA GARDEN RD	JOE'S TIRES & RIMS INC	811111.00	General Automotive Repair	20	SOUTH CAMELLIA
	2019	Aug-18	8/9/18	JOE'S TIRES & RIMS INC	7851 AZALEA GARDEN RD	JOE'S TIRES & RIMS INC	441320.00	Tire Dealers	20	SOUTH CAMELLIA
	2019	Aug-18	8/9/18	JOE'S TIRES & RIMS INC	7851 AZALEA GARDEN RD	JOE'S TIRES & RIMS INC	423130.00	Tires & Tubes Wholesale	20	SOUTH CAMELLIA
	2019	Aug-18	8/9/18	MOHAMMAD CHUGHTAI	913 HULLVIEW AVE	CHUGHTAI, MOHAMMAD	485310.00	Taxi	4	OCEANVIEW
	2019	Sep-18	9/20/18	UNITED DISPOSAL INC	161 WELLMAN STREET	UNITED DISPOSAL INC	562920.00	Material Recovery Facility	81	RIVER FORREST
	2019	Sep-18	9/20/18	RONALD L ALLEN SR	200 BETTY COURT	ALLEN, RONALD L SR	485999.00	All Other Passenger Transportation	81	RIVER FORREST
	2019	Sep-18	9/20/18	GO AUTOMOTIVE	200 S MILITARY HIGHWAY	GO AUTOMOTIVE LLC	811111.00	General Automotive Repair	81	RIVER FORREST
	2019	Sep-18	9/20/18	JOEL'S AUTO WHOLESALE INC	5700 CURLEW DR	JOEL'S AUTO WHOLESALE INC	441120.00	Used Car Dealer	81	RIVER FORREST
VAR050357	2019	Sep-18	7/13/2017: Sheet Flow	Security Storage and Van Company of Norfolk VA Inc	5786 Sellger Drive	SECURITY STORAGE AND VAN COMPANY OF NORFOLK VA INC.			81	RIVER FORREST
	2019	Sep-18	9/20/18	LACQUER SPECIALTIES	5815 HARGROVE STREET	DESTE CORP	811111.00	General Automotive Repair	81	RIVER FORREST
	2019	Sep-18	9/20/18	AZALEA SUPER SERVICE INC	5828 CURLEW DR	AZALEA SUPER SERVICE INC	811111.00	General Automotive Repair	81	RIVER FORREST
	2019	Sep-18	9/20/18	AZALEA SUPER SERVICE INC	5828 CURLEW DR	AZALEA SUPER SERVICE INC	441110.00	New Car Dealer	81	RIVER FORREST
	2019	Sep-18	9/20/18	METRO TOWING COMPANY INC	5870 CURLEW DR	METRO TOWING CO INC	488410.00	Tow Truck Services	81	RIVER FORREST
	2019	Oct-18	10/24/18	ROBERT H JOYNER	135 GLEN ECHO DR	JOYNER, ROBERT H	485310.00	Taxi	33	SUBURBAN
	2019	Oct-18	10/23/18	THOMAS E GRAVES	1902 MONTCLAIR AVE	GRAVES, THOMAS EDWARD	532111.00	Passenger Car Rental	88	CAMPOSTELLA HEIGHTS
VAR050290	2019	Oct-18	10/24/18	Tubbs Auto Parts Incorporated	2215 E Indian River Road				88	CAMPOSTELLA HEIGHTS
VAR052302	2019	Oct-18	10/24/18	Bay Disposal & Recycling Corporate Office	2224 Springfield Avenue				88	CAMPOSTELLA HEIGHTS
	2019	Oct-18	10/24/18	DAV-MAC AUTO REPAIR	2301 EUSTIS AVE	MCNEAL, DAVID	811111.00	General Automotive Repair	88	CAMPOSTELLA HEIGHTS
	2019	Oct-18	10/24/18	POPE AUTOMOTIVE	2400 E INDIAN RIVER RD	COLEMAN, CHRISTOPHER L	811111.00	General Automotive Repair	88	CAMPOSTELLA HEIGHTS
	2019	Oct-18	10/24/18	POPE AUTOMOTIVE	2400 E INDIAN RIVER RD	COLEMAN, CHRISTOPHER L	441120.00	Used Car Dealer	88	CAMPOSTELLA HEIGHTS
	2019	Oct-18	10/24/18	BRYANT USED AUTO PARTS & BODY SHOP	2403 E INDIAN RIVER RD	BRYANT, WILLIAM B	488410.00	Tow Truck Services	88	CAMPOSTELLA HEIGHTS
	2019	Oct-18	10/24/18	HAPPY SHOPPER	415 CAMPOSTELLA RD	CAMPOSTELLA INC	447190.00	Gas Stations	88	CAMPOSTELLA HEIGHTS
VAR052191	2019	Oct-18	10/24/18	Six M, LLC	425 Campostella Road				88	CAMPOSTELLA HEIGHTS
	2019	Oct-18	10/24/18	HAMPTON ROADS MARINE SERVICES INC	805 FORD DR	HAMPTON ROADS MARINE SERVICES INC	562998.00	Misc Waste Management	88	CAMPOSTELLA HEIGHTS
	2019	Nov-18	11/29/18	BLACK & WHITE CABS	6304 SEWELLS POINT RD	BLACK & WHITE CARS INC	532112.00	Passenger Car Leasing	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	NORVIEW CARS	6304 SEWELLS POINT RD	NORVIEW CARS INC	532112.00	Passenger Car Leasing	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	CONCIERGE SERVICES	6304 SEWELLS POINT RD	KELLER, JOHN	485310.00	Taxi	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	C/O NORVIEW CAR	6304 SEWELLS POINT RD	ONAWOLE, ILESANMI	485310.00	Taxi	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	C/O NORVIEW CHECKER TAXICAB	6304 SEWELLS POINT RD	BURNEY, STEVEN	485310.00	Taxi	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	C/O BLACK & WHITE CABS	6304 SEWELLS POINT RD	HUSSAIN, MALIK IMTIAZ	485310.00	Taxi	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	C/O NORVIEW CAR	6304 SEWELLS POINT RD	THORPE, BRADFORD	485310.00	Taxi	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	C/O GREEN & WHITE CAB CO	6304 SEWELLS POINT RD	WOOD, FRANCHOTT M	485310.00	Taxi	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	C/O BLACK & WHITE TAXI	6304 SEWELLS POINT RD	LESEBERG, EVERETT F	485310.00	Taxi	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	C/O NORVIEW CARS	6304 SEWELLS POINT RD	TARAR, MUHAMMAD A	485310.00	Taxi	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	DON'S MOBILE AUTO REPAIR	6319 CHESAPEAKE BLVD	DON'S MOBILE AUTO REPAIR INC	811111.00	General Automotive Repair	43	SEWELLS GARDENS
	2019	Nov-18	11/29/18	7-ELEVEN STORE #8011-23385	8011 HAMPTON BOULEVARD	SEVEN ELEVEN INC	447110.00	Gas Station @ Convenience Store	27	SEWELLS POINT
	2019	Nov-18	11/29/18	WAWA #8606	8105 HAMPTON BOULEVARD	WAWA INC	447110.00	Gas Station @ Convenience Store	27	SEWELLS POINT
	2019	Nov-18	11/29/18	TRANSPORTATION CONCEPTS INC	8791 HAMPTON BOULEVARD	TRANSPORTATION CONCEPTS INC	485999.00	All Other Passenger Transportation	27	SEWELLS POINT
VAR051701	2019	Dec-18	11/29/18	HEPACO, LLC	1301 Marsh Street				89	CAMPOSTELLA
	2019	Dec-18	11/29/18	WALT'S TRANSMISSION CO	1752 WILSON RD	WALT'S TRANSMISSION CO INC	811111.00	General Automotive Repair	89	CAMPOSTELLA
VAR052312	2019	Dec-18	11/29/18	MHI Main Office	543 E Indian River Road				89	CAMPOSTELLA
	2019	Jan-19	12/28/18	HAPPY CRITTER PET SITTING	9312 HICKORY STREET	PHILLIPS, CARLA M M	812910.00	Pet Services (not Veterinary)	8	PAMLICO
VAR052143	2019	Feb-19	3/10/17	Empire Recycling Norfolk	1100 E Princess Anne Road				68	TIDEWATER DRIVE INDUSTRIAL
	2019	Feb-19	12/3/18	CITY TIRES	1139 E PRINCESS ANNE RD	GHAITH, ABDEL SAMIE	811111.00	General Automotive Repair	68	TIDEWATER DRIVE INDUSTRIAL
	2019	Feb-19	12/3/18	JOHN'S MOBILE DETAILING	1213 E BRAMBLETON AVE	MOORE, JOHN T	811192.00	Car Wash	68	TIDEWATER DRIVE INDUSTRIAL
	2019	Feb-19	12/3/18	DIVINE TOUCH MOBILE DETAILING	1213 E BRAMBLETON AVE	PARKER, MARQUIS D	811192.00	Car Wash	68	TIDEWATER DRIVE INDUSTRIAL
	2019	Feb-19	12/3/18	DALE R TAYLOR	604 GRAYDON AVE	TAYLOR, DALE R	485310.00	Taxi	64	GHENT
VAR050351	2019	Feb-19	2/5/19	Gutterman Iron and Metal Corporation	706 May Avenue				68	TIDEWATER DRIVE INDUSTRIAL
	2019	Feb-19	2/1/19	NORFOLK TRUCK CENTER INC	736 TIDEWATER DR	NORFOLK TRUCK CENTER INC	811111.00	General Automotive Repair	68	TIDEWATER DRIVE INDUSTRIAL
	2019	Mar-19	2/1/19	A PAWS 4 KNOWLEDGE	1119 LAND STREET	A PAWS 4 KNOWLEDGE LLC	812910.00	Pet Services (not Veterinary)	78	MAPLE HALL - HOLLYWOOD
VAR051467	2019	Mar-19	2/1/19	Virginia Paving Company - Norfolk	3431 Trant Avenue				83	INGLESIDE
	2019	Mar-19	2/1/19	NICKYS AUTOMOTIVE & CUSTOM CYCLE SHOP	3435 MANGROVE AVE	AL'S TOWING OF VIRGINIA INC	811111.00	General Automotive Repair	83	INGLESIDE
	2019	Mar-19	2/1/19	NICKYS AUTOMOTIVE & CUSTOM CYCLE SHOP	3435 MANGROVE AVE	AL'S TOWING OF VIRGINIA INC	488410.00	Tow Truck Services	83	INGLESIDE
	2019	Mar-19	2/1/19	BIG JOE'S TOW PRO	3435 MANGROVE AVE	BIG JOE'S TOW PRO INC	488410.00	Tow Truck Services	83	INGLESIDE
	2019	Mar-19	2/1/19	URBAN RECYCLE INC	3436 MANGROVE AVE	URBAN RECYCLE INC	562920.00	Material Recovery Facility	83	INGLESIDE
	2019	Mar-19	2/1/19	SCOTT HAULING & MOBILE REPAIRS	3440 TRANT AVE	SCOTT, DAVID A	811111.00	General Automotive Repair	83	INGLESIDE
	2019	Mar-19	2/1/19	DRIVETIME	6200 E VIRGINIA BEACH BLVD	DRIVETIME CAR SALES COMPANY LLC	441120.00	Used Car Dealer	78	MAPLE HALL - HOLLYWOOD
	2019	Mar-19	2/1/19	COLONIAL CADILLAC	6222 E VIRGINIA BEACH BLVD	RICK HENDRICK CADILLAC	811111.00	General Automotive Repair	78	MAPLE HALL - HOLLYWOOD
	2019	Mar-19	2/1/19	FAIRBANKS MORSE ENGINE DIVISION	981 SCOTT STREET	ENPRO INDUSTRIES INC	811111.00	General Automotive Repair	83	INGLESIDE

Prioritized Inspection Schedule - Norfolk Industrial & High Risk Facilities - FY19										
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
	2019	Mar-19	2/1/19	CITGO MART	985 INGLESIDE RD	JIMMY ENTERPRISES INC	447110.00	Gas Station @ Convenience Store	83	INGLESIDE
VAR052162	2019	Apr-19	7/13/17	NASSCO - Norfolk Mid-Atlantic	1118 Warrington Avenue				60	MEDICAL CENTER
	2019	Apr-19	4/4/19	NUMAN CHAUDHRY	417 W 20TH STREET	CHAUDHRY, NUMAN	485999.00	All Other Passenger Transportation	63	EAST GHENT
	2019	Apr-19	4/4/19	OTTACAM AUTOMOTIVE	804 ORAPAX STREET	OTTACAM AUTOMOTIVE INC	811111.00	General Automotive Repair	60	MEDICAL CENTER
VAR050771	2019	May-19	3/10/17	Atlantic Paper Stock	1832 Church Street	ATLANTIC RECYLCING, LLC			66	HUNTERSVILLE
	2019	Jun-19	6/3/19	KINDER MORGAN VIRGINIA LIQUIDS TERMINALS	1000 LANSING STREET	KINDER MORGAN VIRGINIA LIQUIDS TERMINALS LLC	493110.01	Chemical Storage Warehousing	90	BERKLEY
VAR052316	2019	Jun-19	6/3/19	Kinder Morgan Norfolk Terminal	1000 Lansing Street				90	BERKLEY
VAR050382	2019	Jun-19	3/10/17	Marine Oil Service Incorporated	1421 South Main Street	MARINE OIL SERVICE			90	BERKLEY
VAR050487	2019	Jun-19	6/3/19	United States Gypsum Company - Norfolk	1424 South Main Street				90	BERKLEY
	2019	Jun-19	6/3/19	FARM FRESH #55408	201 E BERKLEY AVE	FF ACQUISITION LLC	447190.00	Gas Stations	90	BERKLEY
	2019	Jun-19	6/3/19	7-ELEVEN STORE 24641A	3805 COLLEY AVE	RANDHAWA, MANPREET S	447190.00	Gas Stations	54	NORTH COLLEY
	2019	Jun-19	6/3/19	BAY AUTOMOTIVE CORPORATION	4201 COLLEY AVE	BAY AUTOMOTIVE CORPORATION	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	Jun-19	6/3/19	BAY AUTOMOTIVE CORPORATION	4201 COLLEY AVE	BAY AUTOMOTIVE CORPORATION	441120.00	Used Car Dealer	54	NORTH COLLEY
	2019	Jun-19	6/3/19	WRECKER BOYZ AUTO REPAIR	810 W 39TH STREET	CRESPO ENTERPRISES INC	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	Jun-19	6/3/19	ROAD RUNNER TOWING	810 W 39TH STREET	CRESPO ENTERPRISES INC	488410.00	Tow Truck Services	54	NORTH COLLEY
	2019	Jun-19	6/3/19	LEE'S AUTO SERVICE	837 W 44TH STREET	PLATT, LEON W	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	Jun-19	6/3/19	ADAMS AUTOMOTIVE CENTER INC	844 W 39TH STREET	ADAMS AUTOMOTIVE CENTER INC	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	Jun-19	6/3/19	TNV PROFESSIONAL SERVICES	845 44TH STREET	NGUYEN, JOHN THIEP	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	Jun-19	6/3/19	OLD DOMINION AUTOMOTIVE	850 W 40TH STREET	OLD DOMINION AUTO & TRANSMISSION LLC	811111.00	General Automotive Repair	54	NORTH COLLEY
	2019	Jun-19	6/3/19	HAPPY TAILS	861 46TH STREET	DOG SWIM CAMP & DAY CARE INC	812910.00	Pet Services (not Veterinary)	54	NORTH COLLEY

List of Facilities - NO DMR's Submitted				
Permit No.	**Facility**	**Location**	**Jul 1 - Dec 31, 2018 DMR Received?**	**Jan 1 - Jun 30, 2019 DMR Received?**
VAR050771	Atlantic Paper Stock	1832 Church St.	No	No
VAR052302	Bay Disposal & Recycling Corporate Office	2224 Springfield Ave.	No	No
VAR050370	Branscome Inc. - Norfolk - Westminster	3425 Westminster Ave.	No	No
VAR050293	Carroll Trucking Inc.	6300 Tidewater Dr.	No	No
VAR050244	Cobb's Marina Incorporated	4524 Dunning Road	No	No
VAR051844	Mil-Spec Abrasives, LLC	3306 Peterson St.	No	No
VAR052143	Empire Recycling Norfolk	1100 E Princess Anne Rd.	No	No
VAR051701	HEPACO, LLC.	1301 Marsh St.	No	No
VAR051722	Heritage Crystal-Clean, LLC	5539 Faris St.	No	No
VAR052316	Kinder Morgan Norfolk Terminal	1000 Lansing St.	No	No
VAR051847	L Chenman Incorporated	619 W 24th St.	No	No
VAR050484	Little Creek Marina Inc.	4801 & 4913 Pretty Lake Ave.	No	No
VAR051845	Marine Hydraulics International - Mid Town	1215 Warrington Ave.	No	No
VAR050382	Marine Oil Service Incorporated	1421 S Main St	No	No
VAR052312	MHI Main Office	543 E Indian River Rd	No	Yes
VAR052167	Mid-Atlantic Recycling Solutions, LLC	3307 Hanbury St.	No	No
VAR052162	NASSCO - Norfolk Mid-Atlantic	1118 Warrington Ave.	No	No
VAR051448	Norfolk Southern Railway Co. - Lamberts Point	2200 Redgate Ave.	No	No
VAR050357	Security Storage and Van Co.	5786 Sellger Dr.	No	No
VAR052191	Six M, LLC	425 Campostella Rd.	No	No
VAR050290	Tubbs Auto Parts Incorporated	2215 E Indian River Rd.	No	No
VAR052352	United Disposal, Inc.	161 Wellman St.	No	No
VAR050295	United Parcel Service Norfolk	3313 Croft St.	No	No
VAR050487	United States Gypsum Company - Norfolk	1424 S Main St.	No	No
VAR050301	US Postal SVS - Vehicle Maintenance Fac.	600 Church St.	No	No
VAR051467	Virginia Paving Company - Norfolk	3431 Trant St.	No	Yes
VAR050352	Virginia-Carolina Steel Incorporated	2411 Ingleside Rd.	No	No
VAR050313	VPA - Norfolk International Terminals	7737 Hampton Blvd.	No	No

List of Facilities - Significant Pollutant Loadings to MS4		
Permit No.	**Facility**	**Location**
VAR051844	Mil-Spec Abrasives, LLC	3306 Peterson Street
VAR050351	Gutterman Iron & Metal Corporation	706 May Ave.
VAR051467	Virginia Paving Company - Norfolk	3431 Trant Ave.
VAR052290	Tubbs Auto Parts Inc.	2215 E Indian River Rd.
VAR050352	United Disposal, Inc.	161 Wellman St.

Appendix 6

DEPARTMENT OF PUBLIC WORKS
OPERATIONS
Storm Water Best Management Practice Inspections

DATE WRITTEN: March 8, 2005
DATE REVISED: June 28, 2017
PREPARED BY: Kyle Quick, Environmental Specialist; June Whitehurst, Environmental Programs Manager
REVIEWED BY: Peter Garner, Operations Engineering Manager
FILE PATH: K:\0000 - PW\Admin\SOPs\0600 - Comb Ops\Operations SOPs\SOP 624 Storm Water Best Management Practice Inspections
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 the flow of water and remove unwanted contaminants from the storm water prior to it 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:

Public Works Operations must abide by the Virginia Pollution Discharge Elimination System (VPDES) Permit, VA0088650. Storm water BMPs are required by state law to be inspected at least once every 5 years.

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 Operations 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, including 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:

DEPARTMENT OF PUBLIC WORKS OPERATIONS
Storm Water Best Management Practice Inspections

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 specialist 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 Public Works Operations 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 all debris or 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.

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.

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g. *Other Maintenance Concerns:* Refer to the Virginia Department of Environmental Quality Stormwater Design Specifications for other evident BMP maintenance concerns

6. The environmental staff will complete a "BMP 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 corrections have not been made, a second email or letter will be sent with an updated timeframe for corrections. If the inspector has had no contact from the property owner, if letters have been returned, or if the discrepancies have not been addressed after the second letter was sent, then a Notice of Violation (NOV) will be sent or issued. If no progress occurs after the NOV has been issued, 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 Public Works Operations which is submitted in a service request and put into the Hansen 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:

Peter S. Garner, P.E.
Operations Engineering Manager
Public Works Operations

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
711	T161.1	U/G infiltration - Ok, no standing water in clean out and roof downspouts are draining into short trench drains along backside of store.	8/15/2018	No	General Infiltration Practices	0		Private
1081 Military Hwy Retail Shops	15-0031.1	Please maintain the Filterra unit in accordance with the manfacturer's specifications, and submit copies of the maintenance records.	7/16/2018	Yes	Manufactured BMP Systems	1		Private
20th Bay Street Subdivision	16-0004.1	Well vegetated, some standing water in yard drain(rain event was less than 72 hours previously)- ok.	10/22/2018	No	Grass Channel	0		Private
20th Bay Street Subdivision	16-0004.2	Well vegetated, some standing water in yard drain (rain event was less than 72 hours previously)-ok.	10/22/2018	No	Grass Channel	0		Private
20th Bay Street Subdivision	16-0004.3	Well vegetated, some standing water in yard drain (rain event was less than 72 hours previously)-ok	10/22/2018	No	Grass Channel	0		Private
20th Bay Street Subdivision	16-0004.4	Well vegetated, some standing water in yard drain (rain event was less than 72 hours previously)-ok	10/22/2018	No	Grass Channel	0		Private
20th Bay Street Subdivision	16-0004.4	Well vegetated, some standing water in yard drain (rain event was less than 72 hours previously)-ok	10/22/2018	No	Grass Channel	0		Private
20th Bay Street Subdivision	16-0004.5	Well vegetated, could not access backyard-ok	10/22/2018	No	Grass Channel	0		Private
20th Bay Street Subdivision	16-0004.6	Please remove stone patio from banks of grass channel BMP and reestablish the vegetation in accordance with the approved site plan.	10/22/2018	Yes	Grass Channel	4	3/29/2019	Private
20th Bay Street Subdivision	16-0004.7	Well vegetated, could not access backyard-ok.	10/22/2018	No	Grass Channel	0		Private
20th Bay Street Subdivision	16-0004.8	Well vegetated, could not access backyard-ok.	10/22/2018	No	Grass Channel	0		Private
20th Bay Street Subdivision	16-0004.9	Some standing water, less than 1 inch (rain event less than 72 hours previously)-ok.	10/22/2018	No	Rooftop (Impervious Surface) Disconnection	0		Private
22nd St. Parking Lot	00-4320.1	U/G infiltration trench connected to DI in SE corner of parking lot - Ok, minimal sediment and debris in DI structure and perforated pipes, and little standing water	8/8/2018	No	General Infiltration Practices	0		Private
2542 E Ocean View Ave	03-0304.1	Underground Infiltration Trench-ok.	11/27/2018	No	General Infiltration Practices	0		Private
2607 Colonial Ave.	17-0052.1	Quantity only BMP, stormwater retention in 24" x 38" elliptical pipe with weir and orifice in manhole structure near northeast property corner (Structure 3 on plans). Hard copy of As Built received on 2/11/2019, reviewed and approved by Rey Hernandez on same day. Site inspection completed on same day also. The SDDI at the basement entrance goes to a sump pump and discharges out of a 2" PVC pipe onto the grass at the NW corner of the building. The 6" PVC line discharging into Manhole Structure #2 is from the rooftop downspouts along the northern side of the building. - Ok, approve release of CO on 2/11/2019.	2/11/2019	No	Other SWMF	0		Private
2607 Colonial Ave.	17-0052.2	Purchased credit from Cranston Mill Pond LLC, 0.29 lbs P & 0.64 lbs N, Affidavit of Sale dated 1/12/2018.	2/11/2019	No	Other SWMF	0		Private
2nd Patrol Division	S53.1	Pervious Pavers- depression located on the North East side of the front parking lot. Line will tv'd to verifiy no damage to pipe.	9/19/2018	Yes	General Infiltration Practices	1		Public
2nd Patrol Division	S53.2	Ok.	9/19/2018	No	Extended Detention Basin	0		Public
3 SFR - 1100 Virgilina Ave	17-0043.1	4 Level 1 Bioretentions Bio 1A, 1B, 1C, & 1D on plans - installed/constructed in June 2018 by Jack Frost Landscaping (subcontractor), each of the 3 lots had two sets of As Builts (in file), an initial As Built (dated 6/22/2018) then some grading revisions and a 2nd As Built dated either 7/3 or 8/10/2018. As builts reviewed and approved by Rey Hernandez. Final inspection on 8/20/2018 after a heavy rain and the bioretentions are working well - OK	8/20/2018	No	Bioretention 1	0		Private

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
3 SFR - 1100 Virgilina Ave	17-0043.2	3 Level 2 Bioretentions Bio 2A, 2B, & 2C on plans - installed/constructed in June 2018 by Jack Frost Landscaping (subcontractor), each of the 3 lots had two sets of As Builts (in file), an initial As Built (dated 6/22/2018) then some grading revisions and a 2nd As Built dated either 7/3 or 8/10/2018. As builts reviewed and approved by Rey Hernandez. Final inspection on 8/20/2018 after a heavy rain and the bioretentions are working well - OK	8/20/2018	No	Bioretention 2	0		Private
3 SFR - 1100 Virgilina Ave	17-0043.3	Permeable paver driveway for 1108 Virgilina Ave. - installed by Virginia Pavers (subcontractor) in late May 2018 and inspected during construction, this one has a gravel filter strip on the east side of the driveway, Each of the lots had two sets of As Builts (in file), an initial As Built (dated 6/22/2018) then some grading revisions and a 2nd As Built dated either 7/3 or 8/10/2018. As builts reviewed and approved by Rey Hernandez. Final inspection on 8/20/2018 after a heavy rain and the permeable pavers are working well - OK	8/20/2018	No	Permeable Pavement 1	0		Private
3 SFR - 1100 Virgilina Ave	17-0043.4	Permeable paver driveways for 1100 & 1104 Virgilina Ave. - installed by Virginia Pavers (subcontractor) in late May 2018 and inspected during construction. Each of the lots had two sets of As Builts (in file), an initial As Built (dated 6/22/2018) then some grading revisions and a 2nd As Built dated either 7/3 or 8/10/2018. As builts reviewed and approved by Rey Hernandez. Final inspection on 8/20/2018 after a heavy rain and the permeable pavers are working well - OK	8/20/2018	No	Permeable Pavement 2	0		Private
3608 Sewells Point Rd. Duplex	06-0128	Ok.	9/27/2018	No	Grassed Swale	0		Private
3608 Sewells Point Rd. Duplex	06-0128.1	Ok.	9/27/2018	No	General Infiltration Practices	0		Private
3608 Sewells Point Rd. Duplex	06-0128.2	Ok.	9/27/2018	No	General Infiltration Practices	0		Private
4206 Pretty Lake two family	08-0073.1	Per previous inspection reports, pavers replace infiltration basin (see J.Linppencott's notes from 02/20/2014)-ok.	12/17/2018	No	General Infiltration Practices	0		Private
71 Unit Multifamily	12-0083.1	Please maintain the manufactured BMP (CDS Unit) in accordance with the manufacturer's specifications and provide a copy of the maintenance records.	8/10/2018	Yes	Manufactured BMP Systems	1	10/15/2018	Private
7-Eleven	13-0031.1	Contech Stormfiler-Please maintain the Contech Stormfilter in accordance with the manufacturer's specifications and provide a copy of the maintenance records.	3/12/2019	Yes	Manufactured BMP Systems	3	5/22/2019	Private
8570 Chesapeake Blvd. (18 unit apartments)	T275.1	Please clear accumulated sediment and debris from drop- inlet structure in parking lot that takes drainage to BMP.	4/10/2019	Yes	General Infiltration Practices	2	8/9/2019	Private
8570 Chesapeake Blvd. (18 unit apartments)	T275.2	Underground Infiltration Trench-well vegetated-ok.	4/10/2019	No	General Infiltration Practices	0		Private
8802 Chesapeake Blvd - 3 SFR	17-0072.2	Bioretention basin at 1006 Dune St. (Lot 23-B on plans). Inspected bioretention media being installed on 10/5/2018, however still need verification that media conforms to DEQ specs, Received 1st As Built dated 10/11/2018 but needed additional spot elevations, 2nd As Built with revised date of 11/19/2018 has additional spot elevations. Ok approve CO for this house but holding CO for other houses (1000 & 1012 Dune St.) until we received bioretention media confirmation and review and approve As Builts for those properties.	11/27/2018	No	Bioretention 2	0		Private
8th Bay Street	03-147.1	OK.	12/11/2018	No	Extended Detention Basin	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.1	Bioretention basin- well vegetated and maintained, ok.	5/13/2019	No	Bioretention 1	0		Private

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
901 Ballentine Boulevard Parking Lot	15-0019.2	Bioretention basin- well vegetated and maintained, ok.	5/13/2019	No	Bioretention 1	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.3	Bioretention basin- well vegetated and maintained, ok.	5/13/2019	No	Bioretention 2	0		Private
901 Ballentine Boulevard Parking Lot	15-0019.4	Bioretention basin- well vegetated and maintained, ok.	5/13/2019	No	Bioretention 1	0		Private
9501 8th Bay Street	T109.1	Vegetated Filter Strip at rear of property. Notes in file "Entire 50' rear buffer to act as natural BMP."	1/7/2019	No	Vegetated Filter Strip	0		Private
AAAA Self Storage	01-0166.1	Ok.	7/12/2018	No	Detention Basin	0		Private
AAAA Self Storage Facility	05-0149.1	Underground infiltration trench= requires maintenance. High water levels in DI's, causing infiltration pipes to not be visible. Remove accumulated sediment from DI's and infiltration pipes causing standing water.	10/17/2018	Yes	General Infiltration Practices	1		Private
ABC Supply Company	02-0103.1	Remove accumulated sediment and debris from inlet and outlet rip rap and outlet structure. Remove trash and debris from detention basin.	1/16/2019	Yes	Detention Basin	2	4/1/2019	Private
Affordable Towing and Recovery	02-0117.1	DI needs to be cleaned out, and sediment/oil needs to be removed and properly disposed of. It appears that oil was recently disposed of into the DI and has made its way into the perforated pipe. Addressed issue with General Manager on site. Perforated pipe from the DI needs to be replaced due to damage. Rip rap is missing at outfall from DI structure and it needs to be replaced due to erosion. Remove accumulated leaf debris from surrounding area blocking overflow into inlet. Will follow up on 07/19/2018. During rountine BMP inspection at 2424 Cromwell Road (Affordable Towing) , motor oil was noted in the DI, pipe and surrounding area of the DI. City staff returned to the site with the Officer Lambert from the Fire Marshalls office. After speaking with the property owner and neighbor, the source of the oil is unknown at this time. Staff discussed the remediation that needed to be done to safely remove the oil and contaminated materials. 07/18/2018 City Staff observed that absorbant pads had been placed in the DI and in the perforated pipe. 07/19/2018 City staff re-inspected and all oil was cleaned up, removed and the perforated pipe was replaced.	7/18/2018	No	Detention Basin	0		Private
Airport Long Term Parking	T746.1	Grassed swale near Long Term Parking Expansion. Ok-grass is maintained. No standing water. Met Chris on site and walked BMP's.	10/31/2018	No	Grassed Swale	0		Private
Airport Terminal Expansion	T704.1	Retention Pond NE of parking garages. Ok- well maintained, inspected site with Chris (member of airport maintenance staff). Pond is maintained regularly by maintenance staff.	10/31/2018	No	Retention Basin	0		Private
Airport Terminal Expansion	T704.2	Pond filled in and drainage incorporated into new pond, Site Plan #09-0020.	10/31/2018	No	Retention Basin	0		Private
Anne Outten Pond	S1.1	Anne Outten Pond Retrofit completed 7/28/2017. Please remove the trash and debris present.	5/6/2019	Yes	Retention Basin	1	6/6/2019	Public
Apartment / Garage	03-0273.1	U/G Infiltration Trench at manhole in grass- ok, minor amounts of sediment accumulation. Some standing water, rain event in the last 48 hours	4/2/2019	No	General Infiltration Practices	0		Private
Apartments	01-0223.1	U/G Infiltration Trench at DI in driveway-ok.	4/2/2019	No	General Infiltration Practices	0		Private
Applebee's - Janaf Shopping Center	T64	Remove trash and debris from detention basin bottom and embankments. Clear away sediment and leaf debris from inlet and outlet pipes.	1/28/2019	Yes	Detention Basin	1		Private
Autumn Care	T23.1	Remove trash and debris from basin sides and basin bottom. Clean inlets from accumulated sediment.	3/11/2019	Yes	Detention Basin	2	5/7/2019	Private
Auxiliary Systems	T309.1	Please remove equipment from swale. Remove accumulated vegetation and debris from the swale and trench drain.	5/7/2019	Yes	Grassed Swale	2	6/18/2019	Private
Avis Rent A Car Expansion	T465.1	OK.	11/14/2018	No	Detention Basin	0		Private
Ballentine Elementary School Lake	S2.1	Site is under construction for current retrofit project. Inspected by R. Hudgins during construction.	8/23/2018	No	Retention Basin	0		Public
Bank Street Baptist Church Parking Lot	T111.1	Some sediment accumulation on pavers, but not holding water. DI clear.	9/17/2018	No	General Infiltration Practices	0		Private
Barraud Park Pump Station #153	14-0002.1	Dry swale-ok.	5/13/2019	No	Dry Swale 1	0		Public
Barraud Park Pump Station #153	14-0002.2	Permeable Pavement-ok.	5/13/2019	No	Permeable Pavement 1	0		Public
Barry's Performance Car Shop	T93.1	Infiltration trenches along side of garage-some vegetation growing in the rocks, but it not appear to impede water flow-ok.	5/7/2019	No	General Infiltration Practices	0		Private

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Barry's Performance Car Shop	T93.2	Infiltration trenches along side of garage-some vegetation growing in the rocks, but it not appear to impede water flow-ok.	5/7/2019	No	General Infiltration Practices	0		Private
Bay Disposal	07-0027.1	Well maintained-ok.	2/26/2019	No	Retention Basin	0		Private
Bay Oaks Place Extension	01-0026.1	Underground Infiltration Trenches between basins-ok. Some sandy sediment is present in the DI's, less than 1/2 inch.	10/11/2018	No	General Infiltration Practices	0		Public
Bayview Elementary School Addition / Renovation	NPS06.1	Infiltration trench- located in parking lot, all curb cuts are cleared of sediment, well vegetated-ok.	4/11/2019	No	General Infiltration Practices	0		School
Bayview Recreation Center	S25.1	Infiltration Trench-well maintained, ok. Per previous inspection reports Rec. Center Staff is in charge of maintenance.	4/1/2019	No	General Infiltration Practices	0		Public
Beach Maintenance Blvd, NRHA	S161	2 U/G Infiltration stone reservoirs-ok. Downspouts are connected.	4/1/2019	No	General Infiltration Practices	0		Public
Beekman Street & Cape Henry Avenue	T527.1	Grass Swales located between houses-hardly visible, but no ponding of water-ok.	3/7/2019	No	General Infiltration Practices	0		Private
Berkley Basketball Court	09-0015.1	Observation well is not present. Site is not holding water-ok.	12/20/2018	No	General Infiltration Practices	0		Public
Berkley Center	05-0025.1	Remove accumulated trash and debris from detention basin. Remove invasive cat tails from basin. Remove vegetation that is blocking the inlets.	6/14/2019	Yes	Retention Basin	1		Private
Blair Middle School	NPS12.1	Underground Infiltration Trenches beneath soccer field- ok. Small amount of water in DI's, but not pooling on the soccer field (rain event less than 72 hours ago).	10/11/2018	No	General Infiltration Practices	0		School
Blair Middle School	NPS12.2	Detention basin with concrete steps at the Western Side of the Soccer fields. Standing water in DI along Washington Park, per previous inspection reports was present at that time. Drains at the bottom of the steps are filled with debris, but do not connect, per approved plans. No trash is present, along stabilization on the basin bottom.	10/11/2018	No	Detention Basin	0		School
B'nai Israel Congregation	00-4301.1	Trench A. Please clean inlet nearest Spotswood Ave. side and remove vegetation that has grown. Please see attached pictures for reference.	10/10/2018	Yes	General Infiltration Practices	1	1/15/2019	Private
B'nai Israel Congregation	00-4301.2	Trench B on plans (near playground). Ok.	10/10/2018	No	General Infiltration Practices	0		Private
Bolling Square Apartments Phase I	03-0280.1	Ok. Well maintained.	7/24/2018	No	Bioretention Basins	0		Private
Bolling Square Apartments Phase I	03-0280.2	Ok. Well maintained.	7/24/2018	No	Bioretention Basins	0		Private
Bolling Square Apartments Phase I	03-0280.3	Ok. Well maintained.	7/24/2018	No	Grassed Swale	0		Private
Bolling Square Phase 2	13-0090	Please clear mulch from top of DI.	7/23/2018	Yes	Bioretention 1	1		Private
Booker T. Washington Field House	14-0010.1	Installed in 2014 as part of construction of field house. Installation inspected by Design Division inspectors, installation pictures in P: drive file. Grass channel looks fine, no standing water and we had a good amount of rain yesterday (7/30) - OK.	7/31/2018	No	Grass Channel	0		School
Boush Street Garage	S40.1	Ok. Few pieces of trash, not excessive. Was maintained by City 05/2018.	8/10/2018	No	Manufactured BMP Systems	0		Public
Brittany Apartments (6 units)	07-0125.1	Ok.	10/2/2018	No	General Infiltration Practices	0		Private
Broad Creek Library	16-0057.1	Dry Swale on North Side of parking lot-ok. Adequate vegetation. Observation wells were dry and clean of sediment. Standing water in the drop inlet. Illicit Discharge discovered next to outlet structure at time of inspection.	12/5/2018	No	Dry Swale 2	0		Public
Broad Creek Library	16-0057.2	Bioretention-located between parking lot and building-ok.	12/5/2018	No	Bioretention 1	0		Public
Broad Creek Library	16-0057.2	Bioretention Basin- Please remove all trash and debris from basin bottoms and sides. Remove accumulated sediment and trash from inlet.	4/11/2019	Yes	Bioretention 1	1		Public
Broad Creek Library	16-0057.3	Grassed swale-ok. Some bare spots noticed, but overall adequate vegetation.	12/5/2018	No	Grassed Swale	0		Public
Building Addition - Baker and Company	03-0267.1	Vegetation needs to be cut back. Some algae present, but not over abundance.	7/27/2018	Yes	Extended Detention Basin	1	10/9/2018	Private
Calvary Presbyterian Church	06-0091.1	Ok.	3/13/2019	No	Grassed Swale	0		Private

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Campostella Elementary	14-0073.1	Remove vegetation from basin bottom. Erosion of banks on Eastern side of basin, please address.	12/5/2018	Yes	Retention Basin	1	1/3/2019	School
Candlewood Suites	07-0098.1	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	5	6/10/2019	Private
Candlewood Suites	07-0098.2	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	6/10/2019	Private
Candlewood Suites	07-0098.3	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	6/10/2019	Private
Candlewood Suites	07-0098.4	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	6/10/2019	Private
Candlewood Suites	07-0098.5	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	6/10/2019	Private
Candlewood Suites	07-0098.6	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	6/10/2019	Private
Candlewood Suites	07-0098.7	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	4	6/10/2019	Private
Candlewood Suites	07-0098.8	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	6/10/2019	Private
Candlewood Suites	07-0098.9	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	6/10/2019	Private
Cape Henry Filterra	SCHF.1	Tree needs to be pruned near the bottom grate. Remove accumulated sediment from inlet/outlet. Remove trash and leaf litter (mulch cannot be seen due to abundance of trash and leaf litter.)	8/13/2018	Yes	Manufactured BMP Systems	1	10/12/2018	Public
Cape Henry Subdivision	05-0008.1	Needs maintenance. Mow grass and remove cat tails that have developed. Remove trash. There is standing water in the concrete ditches that is showing signs of algae and iron flocking.	8/15/2018	Yes	Detention Basin	2	9/6/2018	Private
Cape Henry Subdivision	05-0008.2	Well maintained. Some standing water present, but not over abundance. Some algae present.	8/15/2018	No	Detention Basin	0		Private
Cape Henry Subdivision	05-0008.3	Ok. Well maintained.	8/15/2018	No	Grassed Swale	0		Private
Car Storage Lot	14-0017	Cut/mow overgrown vegetation on the basin bottom and basin sides. Remove woody vegetation on banks. Inlet is completely overgrown by vegetation, cut/mow vegetation to prevent blockage. Remove debris that is obstructing outlet orifice. Collect and properly dispose of trash that has accumulated in the basin.	10/2/2018	Yes	Detention Basin	1	1/3/2019	Private
Carlton Homes LLC ROW Improvements	15-0001.1	15-0001.1 - closest to 1108 Virgilina Ave., 15-0001.2 - closest to 1100 Virgilina Ave., & 15-0001.3 - at western end of Virgilina Ave. - Ok, As Built dated 9/14/2018, reviewed and approved by Rey Hernandez on 11/2/2018. Final construction inspection performed today (11/2/2018) and is good, each of the three inspection wells are dry and the infiltration basins seem to be draining well based on today's inspection and previous inspections. CO approval for last of the 3 houses (1104 Virgilina Ave.) approved today.	11/2/2018	No	Infiltration 1	0		Public

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Carlton Homes LLC ROW Improvements	15-0001.2	15-0001.1 - closest to 1108 Virgilina Ave., 15-0001.2 - closest to 1100 Virgilina Ave., & 15-0001.3 - at western end of Virgilina Ave. - Ok, As Built dated 9/14/2018, reviewed and approved by Rey Hernandez on 11/2/2018. Final construction inspection performed today (11/2/2018) and is good, each of the three inspection wells are dry and the infiltration basins seem to be draining well based on today's inspection and previous inspections. CO approval for last of the 3 houses (1104 Virgilina Ave.) approved today.	11/2/2018	No	Infiltration 1	0		Public
Carlton Homes LLC ROW Improvements	15-0001.3	15-0001.1 - closest to 1108 Virgilina Ave., 15-0001.2 - closest to 1100 Virgilina Ave., & 15-0001.3 - at western end of Virgilina Ave. - Ok, As Built dated 9/14/2018, reviewed and approved by Rey Hernandez on 11/2/2018. Final construction inspection performed today (11/2/2018) and is good, each of the three inspection wells are dry and the infiltration basins seem to be draining well based on today's inspection and previous inspections. CO approval for last of the 3 houses (1104 Virgilina Ave.) approved today.	11/2/2018	No	Infiltration 1	0		Public
Cedar Grove Parking Lot	S33.1	Please remove accumulated trash throughout the basin. Please remove trash, leaves and debris from inlet and outlet structures.	8/9/2018	Yes	Detention Basin	1	10/9/2018	Public
Central Brambleton	S30.1	Ok. Vegetation appears to have recently been cut.	5/6/2019	No	Retention Basin	0		Public
Central Business Park	99-3931.1	Ok.	9/27/2018	No	Retention Basin	0		Public
Central Business Park	99-3931.2	Ok.	9/27/2018	No	Retention Basin	0		Public
Central Business Park	99-3931.3	Ok.	9/27/2018	No	Grassed Swale	0		Public
Centura College	99-4224.1	Please remove trash and debris from basin bottom and embankments. Please remove leaf litter and debris from curb inlets in parking lot closest to BMP.	11/26/2018	Yes	Detention Basin	1	1/25/2019	Private
Checker Taxi Parking Lot	00-4278.1	Please replace VDOT # 3 stone in areas where called for on the approved plans. Please remove leaf debris and sticks from bottom and sides of the basin. Observation well functioning, no standing water present.	9/17/2018	Yes	General Infiltration Practices	1	11/27/2018	Private
Checkered Flag Honda Expansion	17-0039.1	Contech CDS (Hydrodynamic Separator) - Ok, Rim to Water Surface - 2.9 feet, Rim to Top of Sediment Pile - 8.0 feet (~1.8 feet of sediment in bottom of CDS unit), Distance from Water Surface to Top of Sediment Pile = 8.0 feet - 2.9 feet = 5.1 feet < 4.0 feet (when CDS unit needs to be cleaned out per manufacturer's O&M manual) - Ok. As Built for site dated 9/13/2018, approved by Rey Hernandez on 10/8/2018. Approve release of CO.	10/15/2018	No	Manufactured BMP Systems	0		Private
Checkered Flag Honda Expansion	17-0039.2	U/G Detention System (nonperforated, no infiltration) with Outlet Control Structure with weir - As Built for site dated 9/13/2018, approved by Rey Hernandez on 10/8/2018. No sediment/debris accumulation in manholes or outlet control structure - Ok. Approve release of CO.	10/15/2018	No	Manufactured BMP Systems	0		Private
Chesterfield Elementary Parking Lot	NPS18.1	Infiltration basin-holding water(this appears to continuously hold water from previous inspection reports), inlet and outlets clear-ok.	5/7/2019	No	General Infiltration Practices	0		School
Chesterfield Heights WW Pump Station	S55.1	Bioretention basins-maintained by the Utilities Department, ok.	5/22/2019	No	Bioretention Basins	0		Public
Children's Harbor	99-4004.1	Ok-maintenance records provided from October 2018.	2/6/2019	No	Manufactured BMP Systems	0		Private
CHKD Parking Lot	05-0169.1	Ok.	7/24/2018	No	General Infiltration Practices	0		Private

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Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Christ the King Catholic School	03-0034.1	Infiltration basin located at the southeast corner building. Basin is holding water (previous inspection reports show that this is normal for this BMP. There was also a pump present (not operating at time of visit) that is referenced in earlier inspection reports where staff pumps out basin into vegetated area. Please remove excessive leaf litter and trash present along the riprap in the basin.	2/4/2019	Yes	General Infiltration Practices	2	3/22/2019	Private
Christ the King Catholic School	03-0034.2	Infiltration basin in parking lot-looks well maintained.	2/4/2019	No	General Infiltration Practices	0		Private
Chrysler Museum - Gallery Project	T222.1	Ok. Appears that the Roof Drain connects to the infiltration trench underground, because it is not visible.	8/14/2018	No	General Infiltration Practices	0		Private
CHURCH PARKING LOT	12-0015.1	Please remove and properly dispose of trash and debris in the detention basin, along the banks and surrounding area. Please remove and properly dispose of debris along the swale. Address issue of erosion from the swale on the Eastern side of the detention basin.	8/1/2018	Yes	Extended Detention Basin	1	10/4/2018	Private
Church Street Executive Office Park	04-0112.1	Please remove accumulated sediment and clear/thin vegetation around the inlets and outlets of the retention basin, and remove trash and debris within and around the retention basin.	9/20/2018	Yes	Retention Basin	1		Private
Church Street Executive Office Park	04-0112.1	Remove accumulated sediment/trash from area around and in inlets/outlets. Remove woody vegetation and overgrowth from banks, including cattails.	12/19/2018	Yes	Retention Basin	1	12/21/2018	Private
Church Street Station Studios	15-0022.1	Filterra-Please maintain the Filterra unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record. Please remove trash and debris from within the Filterra. Roof drainage.	5/13/2019	Yes	Manufactured BMP Systems	4	7/18/2019	Private
Church Street Station Studios	15-0022.2	Filterra-Please maintain the Filterra unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record. Please remove trash and debris from within the Filterra. (Parking lot drainage)	5/13/2019	Yes	Manufactured BMP Systems	4	7/18/2019	Private
City Line Self Storage	07-0052.1	Ok.	1/16/2019	No	Extended Detention Basin	0		Private
Clairmont Apartments	15-0006	Retention basin with retaining wall banks and aerator - Ok, little to no trash present. Residential lots 1-25 are undeveloped.	8/8/2018	No	Retention Basin	0		Private
Claremont Commons	04-0045.1	Ok.	7/26/2018	No	General Infiltration Practices	0		Private
Claremont Commons	04-0045.2	Please maintain the Filterra unit in accordance with the manufacturer's specifications, and place provide a copy of the maintenance record.	7/26/2018	Yes	Manufactured BMP Systems	2	8/27/2018	Private
Coleman Place Elementary School	NPS17.1	Bank erosion seems to have increased since last inspection on 09/01/2017 and needs to be addressed.	9/21/2018	Yes	Retention Basin	1		School
Colonna's Shipyard New Spotico Creek Facility	15-0062.1	Vortech Hydrodynamic Separator-ok. Per Christopher Williamson, unit was maintained this week.	1/10/2019	No	Manufactured BMP Systems	0		Private
Colonna's Shipyard New Spotico Creek Facility	15-0062.2	Please address erosion bank of swale.	1/10/2019	Yes	Dry Swale 1	1		Private
Commerce Bank	06-0146.1	Please maintain the Filterra in accordance with the manufacturer's specifications, and provide a copy of the maintenance record. Please remove accumulated sediment and debris from inlet. Please prune tree to prevent growth into Filterra grate.	6/18/2019	Yes	Manufactured BMP Systems	2	8/27/2019	Private
Commonwealth Building Materials	T285.1	Please remove leaf litter and debris from the stone-lined infiltration swale, and replace the straw bales along its perimeter.	8/6/2018	Yes	General Infiltration Practices	1		Private
Commonwealth Building Materials	T285.1	Please replace hay bales around perimeter per approved plan. Please provide additional stone to denuded areas within the swale. Please fill in large sink hole located at the southern end of the swale.	1/30/2019	Yes	General Infiltration Practices	1		Private

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Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
CON Small Brick Building	S65.1	Grass swale with curb cut inlet-ok.	4/9/2019	No	General Infiltration Practices	0		Public
Condo (24 units)	05-0132.1	Contech Stormfilter-ok. Last maintenance record was from 2/2015. Functioning well.	10/15/2018	No	Manufactured BMP Systems	0		Private
Condo Lots A, B & C	04-0094.1	Ok. Construction is ongoing at adjacent property. Monitor trench drain for sediment accumulation from construction.	10/5/2018	No	General Infiltration Practices	0		Private
Condos/Coffee Shop	07-0077.1	Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance records. Remove litter/leaf debris (mulch cannot be seen due to abundance of leaf debris present in grate.) Please prune tree at bottom near grate.	10/12/2018	Yes	Manufactured BMP Systems	1		Private
Conley Warehouse and Office	02-0121.1	Detention basin-remove overgrown vegetation from basin sides, remove materials from side embankments of basin.	5/21/2019	Yes	Detention Basin	1	7/29/2019	Private
Consolidated McKann Ave Facility	S36.1	Oil Water Separator @ the Sweeping Bay. Maintenance occurred on 06/27/2018, which is tracked by Casey for SWPPP.	7/27/2018	No	Manufactured BMP Systems	0		Public
Cook Out	17-0021.1	Filterra.	1/9/2019	No	Manufactured BMP Systems	0		Private
Cook Out	17-0021.2	Ok. Quantity BMP. Oversized (36") pipe with outlet control weir and orifice in structure OCS-2 on plans (near southeast corner of property).	1/9/2019	No	Other SWMF	0		Private
Cook Out Restaurant	12-0003.1	Please maintain the Filterra unit according to the manufacturer's specifications, and please provide a copy of the maintenance log. Please remove accumulated sediment and debris from inlet (riprap at the front of the inlet is not visible due to the amount of sediment present).	2/8/2019	Yes	Manufactured BMP Systems	1	3/29/2019	Private
Cornick Place Condominiums	06-0086.1	Detention basin is in good condition and well maintained.	2/21/2019	No	Detention Basin	0		Private
Cornick Place Condominiums	06-0086.2	Detention basin is in good condition and well maintained.	2/21/2019	No	Detention Basin	0		Private
Cornick Place Condominiums	06-0086.3	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records. Remove accumulated sediment from inlet. Remove trash and leaf debris from Filterra.	2/21/2019	Yes	Manufactured BMP Systems	1		Private
Cornick Place Condominiums	06-0086.4	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records. Remove accumulated sediment from inlet. Remove trash and leaf debris from Filterra.	2/21/2019	Yes	Manufactured BMP Systems	1		Private
Cornick Place Condominiums	06-0086.5	Grassed swale is in good condition and well maintained.	2/21/2019	No	Grassed Swale	0		Private
Cornick Place Condominiums	06-0086.6	Grassed swale is in good condition and well maintained.	2/21/2019	No	Grassed Swale	0		Private
Cornick Place Condominiums	06-0086.6	Grassed Swale is in good condition and well maintained.	2/21/2019	No	Grassed Swale	0		Private
Costco Gas Station	T644	OWS-Please maintain Oil and Water separator per manufacturer's specifications and provide maintenance records.	3/20/2019	Yes	Manufactured BMP Systems	1		Private
Covenant Presbyterian Church	T448.1	Detention basins-well maintained, ok.	5/7/2019	No	Detention Basin	0		Private
Covenant Presbyterian Church	T448.2	Detention basin-well maintained, ok.	5/7/2019	No	Detention Basin	0		Private
Cox Communications	T747.1	Underground Infiltration trench (visible through drop inlet in parking lot)-ok. Minor amount of accumulated sediment and standing water in inlet.	3/7/2019	No	General Infiltration Practices	0		Private
CVS E Va Bch Blvd. and Newton	10-0071.1	Filterra-Please maintain the Filterra in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	2/28/2019	Yes	Manufactured BMP Systems	2	5/3/2019	Private
Dale's Train Station	T400	Ok-well maintained.	3/11/2019	No	Detention Basin	0		Private
Dey Street and Texas Avenue Roadway Extention	07-0017.1	Ok. Underground Infiltration Pipe connecting 2 curb inlet storm drains @ the corner.	9/27/2018	No	General Infiltration Practices	0		Private

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Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Didlake Expansion	17-0077.1	Linear Wet Swale along western side of property - Ok, 1st As Built submittal dated 12/5/2018, email sent to contractor and engineer requesting more information on 12/18/2018, 2nd As Built dated 1/7/2019, reviewed and approved on 1/17/2019. Inspection completed today (1/18/2019) stabilized banks, curb cuts with rip rap flume inlets are good, and outlet flared-end RCP with rip rap is good. Wetland plantings in bottom of swale present. Standing water present in bottom but it is a wet swale and is per design. Ok, approved release of CO.	1/18/2019	No	Wet Swale 1	0		Private
Didlake Expansion	17-0077.2	Wet Swale along southern side of property - Ok, 1st As Built submittal dated 12/5/2018, email sent to contractor and engineer requesting more information on 12/18/2018, 2nd As Built dated 1/7/2019, reviewed and approved on 1/17/2019. Inspection completed today (1/18/2019) stabilized banks, curb cuts with rip rap flume inlets are good, and flared-end RCP inlet with rip rap is good. Wetland plantings in bottom of swale present. Outlet structure with orifice is good. Standing water present in bottom but it is a wet swale and is per design. Ok, approved release of CO.	1/18/2019	No	Wet Swale 1	0		Private
Division of Streets & Bridges	S28.1	Ok.	7/25/2018	No	General Infiltration Practices	0		Public
Downtown Pump Station (PS 145)	S51.1	Ok. Some sediment accumulation, but not much.	8/28/2018	No	Manufactured BMP Systems	0		Public
Downtown Pump Station (PS 145)	S51.2	No grass swale present. Entire area where grass swale is supposed to be according the 07-0088 plans is paved with concrete.	8/28/2018	No	Grassed Swale	0		Public
Dunkin Donuts	08-0055.1	Remove accumulated sediment from curb cut inlets. Remove all accumulated trash and dispose of in a lawful manner.	6/10/2019	Yes	Bioretention Basins	1		Private
Dunkin Donuts	15-0051	Remove accumulated mulch from top of outfall structure and spread over bare areas through out BMP. Keep a check on the curb cuts in the parking lots for additional erosion.	7/6/2018	Yes	Bioretention Basins	1	9/6/2018	Private
Duplex	01-0165.1	Well vegetated, no standing water-ok.	5/3/2019	No	General Infiltration Practices	0		Private
Duplex	01-0165.2	Appears homeowners have added a mulched garden bed, but it does not appear to impede the flow of water. After discussion with C.Magruder, and no approved site plans that detail location of the BMP, BMP is functioning-ok.	5/3/2019	No	General Infiltration Practices	0		Private
Duplex	01-0173.1	Infiltration basins located beside driveway-ok.	5/3/2019	No	General Infiltration Practices	0		Private
Duplex	01-0173.2	Infiltration basins located beside driveway-ok.	5/3/2019	No	General Infiltration Practices	0		Private
Duplex	03-0006.1	Ok.	10/25/2018	No	General Infiltration Practices	0		Private
Duplex	03-0096.1	Gravel Infiltration areas (x4) along driveway- watch vegetation, ok.	6/27/2019	No	General Infiltration Practices	0		Private
Duplex	03-0211.1	3 underground infiltration trenches -Remove accumulated sediment/debris from trench drains. Reconnect roof drains.	10/22/2018	Yes	General Infiltration Practices	3	3/14/2019	Private
Duplex	03-0272.1	Infiltration trench-well vegetated, ok.	4/16/2019	No	General Infiltration Practices	0		Private
Duplex	03-0272.2	Infiltration trench-well vegetated, ok.	4/16/2019	No	General Infiltration Practices	0		Private
Duplex	03-0308.1	Well vegetated-ok.	12/17/2018	No	Detention Basin	0		Private
Duplex	03-0308.2	Well vegetated-ok.	12/17/2018	No	Detention Basin	0		Private
Duplex	03-0310.1	Pervious pavers-ok.	10/22/2018	No	General Infiltration Practices	0		Private
Duplex	03-0323.1	Infiltration basin-ok.	4/8/2019	No	General Infiltration Practices	0		Private
Duplex	03-0323.2	Infiltration basin-ok.	4/8/2019	No	General Infiltration Practices	0		Private
Duplex	03-0325.1	Infiltration BMP located in backyard-well vegetated-ok.	4/8/2019	No	General Infiltration Practices	0		Private

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Duplex	03-0325.2	Infiltration basins located along sides of driveway-ok. Some denuded areas on the basins of the right of the driveway, but dry. Does not appear to be holding water.	4/8/2019	No	General Infiltration Practices	0		Private
Duplex	03-0325.3	Infiltration basins located along sides of driveway-ok. Some denuded areas on the basins of the right of the driveway, but dry. Does not appear to be holding water.	4/8/2019	No	General Infiltration Practices	0		Private
Duplex	03-139.1	Infiltration basins (located on each side of driveway)- ok.	4/16/2019	No	General Infiltration Practices	0		Private
Duplex	03-139.2	Infiltration basins (located on each side of driveway)- ok.	4/16/2019	No	General Infiltration Practices	0		Private
Duplex	03-287.1	Infiltration BMPs along driveway- ok.	4/5/2019	No	General Infiltration Practices	0		Private
Duplex	03-287.2	Infiltration BMPs along driveway- ok.	4/5/2019	No	General Infiltration Practices	0		Private
Duplex	03-287.3	Infiltration BMP on the beachside- some sand accumulation, but it does not appear to be affecting infiltration-ok.	4/5/2019	No	General Infiltration Practices	0		Private
Duplex	03-289.1	Ok- swales are well vegetated. No observation well visible.	10/5/2018	No	General Infiltration Practices	0		Private
Duplex	04-0008.1	Ok-well vegetated. Spoke with homeowner and they were not aware of BMP/Maintenance Agreement on property, will provide info.	10/5/2018	No	General Infiltration Practices	0		Private
Duplex	04-0008.2	Ok-well vegetated. Spoke with homeowner and they were not aware of BMP/Maintenance Agreement on property, will provide info.	10/5/2018	No	General Infiltration Practices	0		Private
Duplex	04-0012.1	Unit B (Northern)- infiltration basin. Site is well vegetated and no standing water. Ok	10/5/2018	No	General Infiltration Practices	0		Private
Duplex	04-0012.2	Unit A (Sorthern)- infiltration basin. Site is well vegetated and no standing water. Ok	10/5/2018	No	General Infiltration Practices	0		Private
Duplex	04-0013.1	Infiltration BMP-well maintained, ok.	4/8/2019	No	General Infiltration Practices	0		Private
Duplex	04-0125.1	Infiltration BMP is showing signs of erosion. Please clear sediment accumulation and provide additional stone per plan to inhibit erosion.	7/23/2018	Yes	General Infiltration Practices	1		Private
Duplex	04-0125.1	Ok. Left message for Mr. Orciga that BMP was fully functioning.	7/31/2018	No	General Infiltration Practices	0		Private
Duplex	04-0148.1	Ok. Swale area and infiltration area are dry and free of debris, appear to be functioning well. Utility work in right of way on property.	11/28/2018	No	General Infiltration Practices	0		Private
Duplex	05-0114.1	Infiltration area-ok. Very shallow. Inspected during rain event, no ponding or pooling of water.	11/9/2018	No	General Infiltration Practices	0		Private
Duplex	05-0116.1	Bioretention basin-ok.	11/9/2018	No	Bioretention Basins	0		Private
Duplex	05-0124.1	Plans indicate that BMP should be gravel and stone. Previous inspection reports show that it has been vegetated for a number of years. Ok-no standing water.	12/17/2018	No	General Infiltration Practices	0		Private
Duplex	05-0170.1	Bioretention Basin-ok.	11/9/2018	No	Bioretention Basins	0		Private
Duplex	05-0170.2	Bioretention basin-ok.	11/9/2018	No	Bioretention Basins	0		Private
Duplex	05-0170.3	Bioretention basin-ok.	11/9/2018	No	Bioretention Basins	0		Private
Duplex	05-0170.4	Bioretention basin-ok	11/9/2018	No	Bioretention Basins	0		Private
Duplex	06-0005.1	Bioretention basin- well maintained-ok.	4/4/2019	No	Bioretention Basins	0		Private
Duplex	06-0014.1	Bioretention basins- appears to be well maintained, no standing water present-ok.	4/3/2019	No	Bioretention Basins	0		Private
Duplex	06-0014.1	Bioretention basins- appears to be well maintained, no standing water present-ok.	4/3/2019	No	Bioretention Basins	0		Private
Duplex	06-0014.1	Bioretention basins- appears to be well maintained, no standing water present-ok.	4/3/2019	No	Bioretention Basins	0		Private
Duplex	06-0014.2	Bioretention basins- appears to be well maintained, no standing water present-ok.	4/3/2019	No	Bioretention Basins	0		Private
Duplex	06-0045.1	Filterra on west side of Minnesota Ave. Curb inlet is clogged, excess sediment needs to be removed.	7/6/2018	Yes	Manufactured BMP Systems	2	8/6/2018	Private
Duplex	06-0045.1	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Duplex	06-0045.2	Bioretention basins at 2617, 2613, 2609, & 2603 Minnesota Ave. (site plans 06-0045, 06-0087, 06-0088, & 06-0089). Ok.	7/6/2018	No	Bioretention Basins	0		Private

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Duplex	06-0045.3	Filterra on East side of Minnesota Ave. Curb inlet is clogged, excess sediment needs to be removed.	7/6/2018	No	Manufactured BMP Systems	0		Private
Duplex	06-0045.3	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Duplex	06-0046.1	Observation wells were not located, but infiltration area was dry and seemed to be functioning adequately. Per the initial BMP log inspection, observation wells were not installed during construction and this was approved.	11/19/2018	No	General Infiltration Practices	0		Private
Duplex	06-0047.1	Observation wells were not located, but infiltration area was dry and seemed to be functioning adequately. Per the initial BMP log inspection, observation wells were not installed during construction and this was approved.	11/19/2018	No	General Infiltration Practices	0		Private
Duplex	06-0056.1	U/G Infiltration trench with settlement sumps (manholes) connected to downspouts-ok.	4/4/2019	No	General Infiltration Practices	0		Private
Duplex	06-0056.2	U/G Infiltration trench with settlement sumps (manholes) connected to downspouts-ok.	4/4/2019	No	General Infiltration Practices	0		Private
Duplex	06-0068.1	Ok.	12/10/2018	No	General Infiltration Practices	0		Private
Duplex	06-0069.1	Well maintained-ok.	6/14/2019	No	General Infiltration Practices	0		Private
Duplex	06-0069.2	Well maintained-ok.	6/14/2019	No	General Infiltration Practices	0		Private
Duplex	06-0070.2	Well maintained-ok.	6/14/2019	No	General Infiltration Practices	0		Private
Duplex	06-0070.2	Well maintained-ok.	6/14/2019	No	General Infiltration Practices	0		Private
Duplex	07-0074.1	Ok.	7/20/2018	No	Grassed Swale	0		Private
Duplex	08-0046.1	Met with homeowner on site during inspection. Basin is well maintained, no trash or overgrowth present and dry at the time of inspection.	11/19/2018	No	Detention Basin	0		Private
Duplex	08-0099.1	9515A appears to have installed a rain garden. 9515 B has a shallow swale-ok. See previous inspection reports.	12/17/2018	No	Grassed Swale	0		Private
Duplex - Willoughby	04-0062.1	Some bare spots, but over all uniform vegetation-ok.	4/3/2019	No	General Infiltration Practices	0		Private
Duplex 9610-9614	03-0105.1	Grass swale is not very well defined, no rock check dam present. Site is well vegetated and not holding water.	10/22/2018	No	Grassed Swale	0		Private
Duplex Complex William Henry Taylors Tract	03-0026.1	2 Infiltration basins with contributing swales from cul-de-sac. Remove fire pit and debris from sitting on top of overflow structure behind 8123 A and B Redmon Road. Remove accumulated sediment and debris from swale closest to duplex.	10/25/2018	Yes	General Infiltration Practices	1		Private
Duplex Lot "C"	06-0015.1	Ok-well maintained.	4/3/2019	No	General Infiltration Practices	0		Private
Duplex Lot "C"	06-0015.2	Per previous notes in file, this BMP is inactive, due to not being constructed.	4/3/2019	No	General Infiltration Practices	0		Private
Duplex Lots 59 & 60	05-0049.1	Infiltration area- ok. Very shallow. Inspected during rain event, no ponding or pooling of water.	11/9/2018	No	General Infiltration Practices	0		Private
Duplex Lots 61 & 62	05-0051.1	Please remove concrete pad and restore infiltration trench back to vegetated and approved grades per approved site plan.	11/9/2018	Yes	General Infiltration Practices	6	5/21/2019	Private
Duplex Site Plan for Li Shen	12-0050.1	Permeable Pavers in driveway-ok.	11/19/2018	No	General Infiltration Practices	0		Private
East Beach Marina	12-0036.1	Underground Detention System and Pervious Pavers. Pervious Pavers-Ok, clear of sediment and no standing water. Underground detention system- less than 1/2 inch of standing water in two of the drop inlets, very little accumulated sediment.	10/16/2018	No	General Infiltration Practices	0		Private
East Beach Marine	T543.1	Ok.	12/18/2018	No	General Infiltration Practices	0		Private
East Beach Marine	T543.2	Ok.	12/18/2018	No	General Infiltration Practices	0		Private
East Coast Appliance	16-0030	Ok.	3/12/2019	No	Permeable Pavement 1	0		Private
EG Middleton Office Addition	06-0023.1	Ok.	8/6/2018	No	General Infiltration Practices	0		Private
Electrical Equipment Company	T214.1	Ok-some vegetation present at end of basin, monitor.	3/6/2019	No	Retention Basin	0		Private

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Element on Ghent	13-0000.1	Contech Stormfilter-ok. Less than 1/4 inch of sediment on bottom of cistern, not holding water.	10/18/2018	No	Manufactured BMP Systems	0		Private
Element on Ghent	13-0000.2	Filterra was not installed per plan.	10/18/2018	No	Manufactured BMP Systems	0		Private
Elm Court Development	T153.1	Infiltration basin that runs from the backyard of 3715 Karlin Ave to 924 Elm Court and accepts drainage from Karlin Ave. Work order request will be placed to have this line vactored out.	3/27/2019	Yes	Detention Basin	1	6/11/2019	Private
Endtime United Chruch of Jesus Christ Apostolic	03.0312.2	Infiltration Area "B" and # 2 on plans. Remove accumulated trash and debris from outlet in basin.	9/26/2018	Yes	General Infiltration Practices	1	11/30/2018	Private
Endtime United Chruch of Jesus Christ Apostolic	03-0312.1	Ok. Infiltration Area "A" and # 1 on plans.	9/26/2018	No	General Infiltration Practices	0		Private
EVMS Parking Addition	07-0060.1	Ok.	8/7/2018	No	Grassed Swale	0		Private
EVMS Parking Garage Addition	09-0050	Please maintain the Filterra unit in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	7/20/2018	Yes	Manufactured BMP Systems	1		Private
EVMS Parking Garage Addition	09-0050	Filterra-Please maintain the Filterra unit in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	3/25/2019	Yes	Manufactured BMP Systems	1		Private
EVMS Parking Lot	01-0176.1	Underground Infiltration System-ok.	6/10/2019	No	General Infiltration Practices	0		Private
EVMS roadway widening	07-0090.1	Bioretention basin in traffic island along east side of EVMS Hofheimer Hall - Ok, minor amount of mulch washed in on top of overflow DI, but the DI has wire mesh on top of the grate and stone around it to keep out the mulch.	8/14/2018	No	Bioretention Basins	0		Private
Excel Paving Corporation	T770.1	Please repair silt fence around detention basin (silt fence is in place due to the lack of stabilization of the area surrounding the BMP). Please remove trash and debris from basin. Please remove excessive amount of pine straw from basin bottom. Please remove debris from blocking inlet.	3/12/2019	Yes	Detention Basin	1	4/1/2019	Private
Fairlawn Elementary School Parking Lot	NPS09.1	Please remove leaf debris that is clogging the curb cut inlet. Removed blockages from orifice on the outlet. Please remove sediment and leaf debris from outlet.	1/16/2019	Yes	Grassed Swale	1	3/22/2019	School
Fairlawn Recreation Center Addition	S23.1	Remove the overgrowth of phragmites from the basin bottom. Remove accumulated trash from detention basin.	3/6/2019	Yes	Detention Basin	2	6/27/2019	Public
Fairmount Park Phase 13B	15-0010.1	Filterra at 2900 Verdun Ave. - Ok, still under Contech warranty maintenance until 9/21/2018	8/24/2018	No	Manufactured BMP Systems	0		Public
Fairmount Park Phase 13B	15-0010.2	Filterra at 2960 Verdun Ave., still under Contech warranty maintenance until 9/21/2018, Dead tree in Filterra, sending an email to Don Personett with Contech about replacing the tree.	8/24/2018	Yes	Manufactured BMP Systems	1		Public
Fairmount Park Phase 13B	15-0010.3	Filterra at 2966 Lens Ave., still under Contech warranty maintenance until 9/21/2018 - Ok	8/24/2018	No	Manufactured BMP Systems	0		Public
Fairmount Park Phase 13B	15-0010.4	Filterra at 2965 Verdun Ave., still under Contech warranty maintenance until 9/21/2018 - Ok	8/24/2018	No	Manufactured BMP Systems	0		Public
Faith Deliverance Christian Center	02-0244.1	Detention basin-well maintained with forebay-ok.	5/17/2019	No	Detention Basin	0		Private
Family Dollar	04-0140.1	Remove accumulated sediment and debris from parking lot and detention basin.	2/26/2019	Yes	Detention Basin	2	6/11/2019	Private
Family Dollar	T486.1	Please remove trash and debris from detention basin.	1/29/2019	Yes	Extended Detention Basin	1	2/8/2019	Private
Fayton-Sutherlin Bldg	08-0089.1	Infiltration basin at NW corner of property - Ok, trench drain at entrance to driveway has been cleaned out since last inspection on 5/3/2018, and the infiltration basin is clear of debris and no standing water after a lot of rain the week before	2/25/2019	No	General Infiltration Practices	0		Private
Fayton-Sutherlin Bldg	08-0089.1	Infiltration basin at NW corner of property - Ok, trench drain at entrance to driveway has been cleaned out since last inspection on 5/3/2018, and the infiltration basin is clear of debris and no standing water after a lot of rain the week before	2/25/2019	No	General Infiltration Practices	0		Private

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Fayton-Sutherlin Bldg	08-0089.2	Infiltration basin (L-shaped) along southern portion and southeastern portions of property (Along A Avenue) - Ok, minor amount of trash present but apparent that it is cleaned up regularly, No standing water and we had a good amount of rain last week.	2/25/2019	No	General Infiltration Practices	0		Private
Fayton-Sutherlin Bldg	08-0089.2	Infiltration basin (L-shaped) along southern portion and southeastern portions of property (Along A Avenue) - Ok, minor amount of trash present but apparent that it is cleaned up regularly, No standing water and we had a good amount of rain last week.	2/25/2019	No	General Infiltration Practices	0		Private
Fayton-Sutherlin Bldg	08-0089.3	Stormtech stormchambers for quantity - Ok	2/25/2019	No	Manufactured BMP Systems	0		Private
FBI Building - Riverside Corporate Center	T91.1	Ok.	5/3/2019	No	Detention Basin	0		Private
FBI Building - Riverside Corporate Center	T91.2	Ok.	5/3/2019	No	Retention Basin	0		Private
Fentress Court Subdivision	05-0175.1	Ok-well maintained.	4/2/2019	No	Grassed Swale	0		Private
Filipino Independent Baptist Church	09-0065.1	Grassed swale-ok, well maintained.	3/13/2019	No	Grassed Swale	0		Private
Filipino Independent Baptist Church	09-0065.2	Infiltration basin-ok.	3/13/2019	No	General Infiltration Practices	0		Private
Filterra	S58.1	Filterra-last serviced April 2019 and scheduled for service October 2019-ok.	5/7/2019	No	Manufactured BMP Systems	0		Public
Filterra	S58.2	Filterra-last serviced April 2019 and scheduled for service October 2019-ok.	5/7/2019	No	Manufactured BMP Systems	0		Public
Filterra	S59.1	Filterra- Ok. City owned BMP. Tree installed 02-16-2018.	7/17/2018	No	Manufactured BMP Systems	0		Public
Filterra	S59.1	Please remove accumulated sediment from inlet. Remove trash and debris from Filterra.	2/21/2019	Yes	Manufactured BMP Systems	1		Public
Filterra	S60.1	Filterra- ok. City owned BMP. Maintenance crews installed tree on 02-15-2018.	7/17/2018	No	Manufactured BMP Systems	0		Public
Filterra	S61.1	Ok. City owned BMP.	7/17/2018	No	Manufactured BMP Systems	0		Public
Filterra	S62.1	Ok. City Owned BMP. BMP Maintenance crews installed tree on 02-16-2018.	7/17/2018	No	Manufactured BMP Systems	0		Public
Filterra	S62.1	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Public
Fine Arts Center - Norfolk Collegiate	11-0002.1	Pervious pavers - Ok	7/27/2018	No	Permeable Pavement 1	0		Private
Fire Station	S31.1	Grass Swale with rock check dam. Rock check dam doesn't seem to be present, if it is then it is smaller that specified on the plans and is grown over with grass. Also, there is a flared-end RCP at the downgradient end of the swale that is not shown on the plans, and is more than half full of sediment.	7/24/2018	No	Grassed Swale	0		Public
First Baptist Church of Bolling Brook	01-0057.1	Underground Infiltration System-ok.	6/6/2019	No	General Infiltration Practices	0		Private
First Baptist Church of Lamberts Point	T698.1	Underground InfiltrationTrench- Please remove accumulated sediment and debris from drop inlet structures. Please refrain from washing vehicles on impervious surfaces that drain into BMP.	6/27/2019	Yes	General Infiltration Practices	1		Private
First Church of God	07-0047.1	Ok-well maintained.	4/2/2019	No	General Infiltration Practices	0		Private
First Church of God	07-0047.2	Ok-well maintained.	4/2/2019	No	General Infiltration Practices	0		Private
First Presbyterian Church	06-0125.1	Porous Pavers. Ok.	7/19/2018	No	General Infiltration Practices	0		Private
First Presbyterian Church	06-0125.2	Ok. Filterra service records submitted from Pat Cleary DOS 03/15/2018. Per Pat, Filterra will be service again in 6 months.	7/19/2018	No	Manufactured BMP Systems	0		Private
First Va Bank of Tidewater	T589.1	Retention basin is completely over grown. Remove woody vegetation from banks and leaf debris from basin bottom. Inlet is covered in leaf debris. Remove trash.	11/13/2018	Yes	Retention Basin	2	1/4/2019	Private
Floor Busters	08-0047.1	Grass swale is partially denuded, as well as materials, equipment and a dumpster are being stored on this site. The rock check dams and rip rap are missing. BMP needs to be reconstructed and properly stabilized.	7/20/2018	Yes	Grassed Swale	2	9/26/2018	Private

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Floor Busters	08-0047.2	Vegetated filter strip has materials and debris on top of it. Some vegetation has been killed due to materials being placed on top. Please remove materials and debris and reestablish according to approved plan.	7/20/2018	Yes	Vegetated Filter Strip	2	9/26/2018	Private
Food Bank Paving Addition	15-0048.1	Urban bioretention treating roof drainage - Ok, approve release.	7/19/2018	No	Bioretention 1	0		Private
Food Bank Paving Addition	15-0048.2	Detention basin with concrete walls (level spreaders) for quantity - Ok, approve release. Some algae on top of rocks indicating water is taking a while to drain out of the stone-filled basin into the ground. The soils beneath were not that good when the basin was being installed. I had the contractor overexcavate the bottom of the basin to try to reach more permeable soils.	7/19/2018	No	Detention Basin	0		Private
FOR Kids Residence	04-0120.1	Ok. Railroad timbers along walkway serving as check dam.	7/23/2018	No	General Infiltration Practices	0		Private
Forest Lawn Cemetary	S56.1	Ok.	8/9/2018	No	General Infiltration Practices	0		Public
Freemason St. Baptist Church	07-0007.1	Ok. Pervious Pavers. Small amount of vegetation is present, but it is not overgrown and looks like it is being maintained regularly.	8/14/2018	No	General Infiltration Practices	0		Private
Fresenius Medical Center Expansion	08-0050.1	Remove invasive species from bioretention located at the Northeast corner of the site.	8/6/2018	Yes	Bioretention Basins	4	12/7/2018	Private
Fresenius Medical Center Expansion	08-0050.2	Ok.	8/6/2018	No	Bioretention Basins	0		Private
Fresenius Medical Center Expansion	08-0050.3	Ok.	8/6/2018	No	Bioretention Basins	0		Private
GE Mobile	10-0045.1	Per previous inspection reports, "Site runoff is either treated onsite and discharge via their VPRDS permit, that goes to sanitary and then to HRSD." Confirmed this with Earl Toler (See email in file).	2/14/2019	No	Other SWMF	0		Private
Gethsemane Community Fellowship Baptist Church Bldg Addition	12-0064.1	Detention basin for quantity and Modular Wetland System for Quality - Ok, contractor, Mid Coast Inc. finished installation of the BMP and put a fence around the BMP. Modular Wetland System was activated on 5/3/2018, and received picture of revised As Built on 6/3/2018. Some minor erosion along the northern end of the detention basin.	7/9/2018	No	Constructed Stormwater Wetland	0		Private
Gethsemane Community Fellowship Church	S-03-0065.1	Infiltration basin located in gravel parking lot across Reservoir Ave. from church. Basin is currently holding water, but in days previous had multiple rain events-ok.	2/25/2019	No	General Infiltration Practices	0		Private
Gethsemane Community Fellowship Church	S-03-0065.2	Downspouts that are connected to underground infiltration lines -ok.	2/25/2019	No	General Infiltration Practices	0		Private
Ghent Arms	03-0169.1	Remove overgrowth of ivy from covering drop inlet.	6/11/2019	Yes	General Infiltration Practices	1	8/27/2019	Private
Ghent Elementary School Bus Loop	NPS16.1	Drop inlet on Northern side of BMP is cracked in half and needs to be replaced.	10/10/2018	Yes	General Infiltration Practices	1		School
Ghent Village	14-0096.1	Well maintained. Ok.	7/6/2018	No	Grassed Swale	0		Private
Gifford Office	05.0023.2	Two underground infilatration systems- Please vactor out systems to remove accumulated sediment and debris. Over 1 inch of standing water present at time of inspection.	11/26/2018	Yes	General Infiltration Practices	1		Private
Gifford Office	05-0023.1	Please maintain the 2 Contech CDS units per the manufacturer's specifications and provide copies of the maintenance records.	11/26/2018	Yes	Manufactured BMP Systems	1		Private
Givens Enterprise	GIVENS.1	Maintain the rock check dam per plans at the inlet. Remove accumulated sediment from inlet in parking lot. Routine grass mowing maintenance needs to be done.	8/23/2018	Yes	Grassed Swale	2	12/10/2018	Private
Glad Tidings Church	T731.1	Please remove accumulated sediment and debris from drop inlet's within the front yard. Please re-attach inlet grates and secure.	3/13/2019	Yes	General Infiltration Practices	1	5/30/2019	Private

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Glenrock SFR	Glenrock SFR.1	Quantity only grass swales between single-family houses at 453-465 Brockwell Ave. and 446 - 462 Frizzell Ave. Inspected during construction in Oct.-Nov. 2015. Inspected today (12/11/2018) - Ok. Swales are stabilized with grass and damp but not holding water and we had a good amount of rain 2 days prior to inspection.	12/11/2018	No	Grassed Swale	0		Private
Global Friendship House	11-0074.1	Detention basin with outlet control structure - Ok, approve release of CO. First documented inspection on 11/30/2018 although construction began much earlier. Met builder, Mr. Scott Strickland onsite on 11/30/2018 and went over stormwater requirements for project. All of the stormwater improvements had already been completed. Sent email on 11/30/18 with requirements for CO approval. As Built dated 6/14/2018, submitted week of 12/17-21/2018. Reviewed As Built with John White on 12/28/2018 - Ok. Peter Mack performed a site visit on 12/27, and I performed a follow up visit on 12/28. Had some bank erosion but Mr. Strickland fixed it along with the sediment and debris within the stone in front of the 6" orifice of the outlet structure. There is a stockpile of soil and another one of mulch on the adjacent city property the Mr. Strickland said he would move, and also put mulch around the bushes along the top of the southern bank of the detention basin where there isn't any grass.	12/28/2018	No	Detention Basin	0		Private
Granby High School Renovations	NPS05.1	Large infiltration basin near the intersection of Harvard St. and Newport Ave.-ok.	6/27/2019	No	General Infiltration Practices	0		School
Granby High School Renovations	NPS05.2	Smaller infiltration basin on west side of parking lot entrance at the intersection of Harvard St. and Remsen St-ok.	6/27/2019	No	General Infiltration Practices	0		School
Granby High School Renovations	NPS05.3	Infiltration basin on east side of parking lot entrance at intersection of Harvard St. and Remsen St.-ok.	6/27/2019	No	General Infiltration Practices	0		School
Granby High School Renovations	NPS05.4	Infiltration basin/swale along track-ok.	6/27/2019	No	General Infiltration Practices	0		School
Granby Municipal Building Parking Lot	S20.1	Site appears to have been paved over. Discussed with K. Quick and it looks like excavation that was due in the past has not been done. Will speak with S. Patton about scheduling this for the future.	8/14/2018	Yes	General Infiltration Practices	1		Public
Grandy Village Community Center	08-0079.1	Bioretention basin near Southwest corner of the Community Center (behind gate near Kayak storage). Routine maintenance was preformed recently. Orifice and outfall structure are clear of sediment and debris. Small amount of standing water present, but large rainstorms within last 72 hours.	8/23/2018	No	Bioretention Basins	0		Public
Grandy Village Community Center	08-0079.2	Ok. Northern bioretention basin in grassy area.Routine maintenance was preformed recently. Orifice and outfall structure are clear of sediment and debris. Small amount of standing water present, but large rainstorms within last 72 hours.	8/23/2018	No	Bioretention Basins	0		Public
Grandy Village Community Center	08-0079.3	Ok. Bioretention basin east of parking lot. Routine maintenance was preformed recently. Orifice and outfall structure are clear of sediment and debris. Small amount of standing water present, but large rainstorms within last 72 hours.	8/23/2018	No	Bioretention Basins	0		Public
Grandy Village Roadway	04-0119.1	Remove sediment accumulation from inlets. Well vegetated.	5/6/2019	Yes	Grassed Swale	1		Public
Grandy Village-Phase V Site Improvements	12-0028.1	Extended detention basin- well vegetated, may need maintenance after warmer months, keep an eye on-ok.	5/13/2019	No	Extended Detention Basin	0		Public
Grantham Square	06-0117.1	Pervious Concrete-appears that the concrete is well maintained, and hardly any sediment accumulation-ok.	6/18/2019	No	General Infiltration Practices	0		Private
Grantham Square	06-0117.2	Infiltration trenches-ok.	6/18/2019	No	General Infiltration Practices	0		Private
H.B. Hunter Parking Lot	T614.1	Please remove accumulated sediment from curb lines. Dispose of all collected trash and debris.	8/6/2018	Yes	General Infiltration Practices	1	10/9/2018	Private

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H.B. Hunter Parking Lot	T614.2	Please remove accumulated sediment from curb lines. Dispose of all collected trash and debris.	8/6/2018	Yes	General Infiltration Practices	1		Private
H.B. Hunter Parking Lot	T614.3	Please remove accumulated sediment from curb lines. Dispose of all collected trash and debris.	8/6/2018	Yes	General Infiltration Practices	1		Private
Harbor Heights	05-0073.1	Ok. Site was inspected on 6/7/2018 by Solitude Lake Management. Inspection report attached.	8/10/2018	No	Manufactured BMP Systems	0		Private
Harbor Park Picnic Area	16-0065.1	13 x 7 Filterra, activated on 4/5/2018, received As Built Survey (dated 4/16/2018) on 1/30/2019 from contractor. Inspected today (2/14/2019) looks good, still under 1st year warranty maintenance - Ok	2/14/2019	No	Manufactured BMP Systems	0		Public
Harbor Walk	02-0275.1	Underground Infiltration Trench-ok.	10/11/2018	No	General Infiltration Practices	0		Private
Harris Teeter Store 378	08-0072.1	Filterra. Please maintain the Filterra unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record. Please remove accumulated sediment and debris from inlet.	10/15/2018	Yes	Manufactured BMP Systems	1	1/15/2019	Private
Helena Townhouses	T474.1	U/G Infiltration beside patios in backyards of the townhomes. Roof downspouts connected to drain to U/G infiltration trenches - Ok, downspouts connected.	7/16/2018	No	General Infiltration Practices	0		Private
Herald of His Comming Church	00-4505.1	Infiltration basin- appears to be well maintained, ok.	5/17/2019	No	General Infiltration Practices	0		Private
Home Depot, Broad Creek Crossing	T548.1	Please remove all trash and debris from basin.	1/29/2019	Yes	Retention Basin	1	2/21/2019	Private
HRT Park and Ride	01-0197.1	Please remove excess vegetation and growth from inlet and outlets. Please remove trash and debris that is along banks and in the basin.	2/19/2019	Yes	Retention Basin	1		Private
HRT Park and Ride	01-0197.2	Ok.	2/19/2019	No	Infiltration 1	0		Private
HRT Station Wards Corner	T402.1	Please remove trash and debris from detention basin. Please remove accumulated sediment from curb inlet. Please remove woody vegetation from basin bottom and sides.	1/30/2019	Yes	Detention Basin	1		Private
Infinitee Day School	00-4467.1	L-Shaped Infiltration swale near playground-small amount of standing water present, but there was a significant rain event less than 24 hours prior. Well vegetated and maintained-ok.	6/6/2019	No	General Infiltration Practices	0		Private
Ingleside Elementary School Gymnasium	NPS23.1	Linear detention basin with concrete valley gutter at bottom- Remove excessive leaf litter along gutter. Remove accumulation of sediment and leaf litter present at inlets.	2/19/2019	Yes	Detention Basin	1	3/22/2019	Public
Islamic Center	10-0050.1	Ok.	7/19/2018	No	Bioretention Basins	0		Private
Jack & Jill Ice Cream Co.	T188.1	Infiltration Trench located under 4 concrete slabs (ac/heating units). Ok.	11/8/2018	No	General Infiltration Practices	0		Private
Jack Rabbit Self-Storage	06-0115.1	Please maintain the Stormceptor in accordance with the manufacturer's specifications, and provide a copy of the inspection and maintenance record.	6/18/2019	Yes	Manufactured BMP Systems	1		Private
Jack Rabbit Self-Storage	06-0115.2	Ok.	6/18/2019	No	Grassed Swale	0		Private
Jacox Elementary School Bus Loop	NPS14.1	Infiltration basins along bus loop of school-ok, well maintained.	5/23/2019	No	General Infiltration Practices	0		School
Jacox Elementary School Bus Loop	NPS14.2	Infiltration basins along bus loop of school-ok, well maintained.	5/23/2019	No	General Infiltration Practices	0		School
Jeff Robertson Park - parking lot	09-0068.1	Ok.	7/26/2018	No	Detention Basin	0		Public
Jeff Robertson Park - parking lot	09-0068.2	Site archived. Being replaced by constructed stormwater wetland (15-0014), and construction is underway.	7/26/2018	No	Detention Basin	0		Public
John's Brothers Inc. Parking Lot and Wash Building	BROTHERS.1	Grass Swale-holding small amount of water, rain event less than 48 hours previously. Some tire tracks on sides of swale due to driving vehicles, keep an eye on swale for this.	2/15/2019	No	Grassed Swale	0		Private
Kingdom Hall of Jehovah's Witness Humboldt Street Parking Lot	11-0066	Ok.	10/2/2018	No	Manufactured BMP Systems	0		Private
Kramer Tire	T577.1	Detention Basin-good condition, ok. Appears to have recently been maintained.	3/7/2019	No	Detention Basin	0		Private

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L. Fisherman & Son Inc. Flooring Installation	T449.1	Grassed Swale-ok.	3/7/2019	No	Grassed Swale	0		Private
Lake Liberty, NRHA	S12.1	Retention basin-appears to have been recently maintained, trash is present around edge of basin. BMP Crew is due to provide scheduled maintenance to the pond next month.	5/21/2019	No	Retention Basin	0		Public
Lake Liberty, NRHA	S12.1	Retention basin-appears to have been recently maintained, trash is present around edge of basin. BMP Crew is due to provide scheduled maintenance to the pond next month.	5/21/2019	No	Retention Basin	0		Public
Lake Liberty, NRHA	S12.1	Retention basin-appears to have been recently maintained, trash is present around edge of basin. BMP Crew is due to provide scheduled maintenance to the pond next month.	5/21/2019	No	Retention Basin	0		Public
Lake Liberty, NRHA	S12.1	Retention basin-appears to have been recently maintained, trash is present around edge of basin. BMP Crew is due to provide scheduled maintenance to the pond next month.	5/21/2019	No	Retention Basin	0		Public
Lake Modoc	S6.1	Lake Modoc was upgraded from a Level I to a Level II retention pond under Site Plan #16-0054. Improvements included dredging of the pond for additional volume, installation of wetland benches, and the addition of forebays. Co-benefits include improved water quality, stabilization of eroding banks, performed major maintenance by dredging, adding wetland habitat, and improving aesthetics. Construction began on 11/2/2017 and completed on 5/2/2018. Construction inspections completed by Ryan Hudgins and logged in E-builder. Final walk through and acceptance completed in November 2018.	11/6/2018	No	Retention Basin	0		Public
Lake Modoc	S6.1	Retention basin-ok.	4/1/2019	No	Retention Basin	0		Public
Lake Scott	S8.1	Met resident of 5906 McGinnis Cir. (Brian Sudol, 757-339-5771, brianjsudol@gmail.com) to discuss his concerns about erosion of the bank adjacent to his property. He pointed out areas were soil was washing out between the hardscape (concrete) pieces along the bank. It didn't seem too excessive at this time. The dual culvert pipes under McGinnis Cir. were slip-lined within the past year and Mr. Sudol stated the increased flow during tidal fluctuations may be causing the erosion. I took pictures (in P: drive) and stated we would keep a check on it but also suggested he keep a photo log of the bank to help document the bank erosion through time. Mr. Sudol also mentioned he might install a retaining wall on his property adjacent to Lake Scott. I told him that he would need a fill permit. The pond looked good, the tide was coming up while I was there. Need to keep a check on erosion of the bank near the dual culverts. The sheet piling seems to be directing flow along the bank and increase the erosion potential. Last maintenance event completed by BMP Maintenance Crew on 3/19/2018, and current maintenance schedule is per inspection. Ok.	12/11/2018	No	Retention Basin	0		Public
Lake Taylor Field House	14-0009.1	Installed in 2014 as part of construction of field house. Installation inspected by Design Division inspectors, installation pictures in P: drive file. Grass channel in place but is nearly indistinguishable in some areas, underdrain and DI are clear - OK.	7/31/2018	No	Grass Channel	0		School
Lake Taylor Field House	14-0009.2	Installed in 2014 as part of construction of field house. Installation inspected by Design Division inspectors, installation pictures in P: drive file. Impervious (Rooftop) Disconnect to C/D soils - OK.	7/31/2018	No	Rooftop (Impervious Surface) Disconnection	0		School
Lake Taylor Hospital Parking Lot Addition	11-0007.1	Please remove trash from basin. Please cut down cat tails and thin out vegetation.	2/21/2019	Yes	Extended Detention Basin	1	3/8/2019	Private
Lake Whitehurst Harvesting Facility	S19.1	Previous inspection reports state that major maintenance was performed during July 2016. Detention basin is currently holding water, but from previous reports it looks like this is normal. Leaf litter was cleared from inlet during inspection.	11/27/2018	No	Detention Basin	0		Public

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Lake Wright Resort	T555.1	Please maintain the manufactured BMP (Vortechnics) in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	3/20/2019	Yes	Manufactured BMP Systems	1	9/11/2019	Private
Lamberts Point 26th St. Improvements	09-0072.1	Ok. City Owned BMP. BMP Maintenance crews installed tree on 02-16-2018.	7/17/2018	No	Manufactured BMP Systems	0		Public
Lamberts Point Community Center	08-0008.1	Ok.	7/19/2018	No	Bioretention Basins	0		Public
Lamberts Point Pond	S38.1	Ok. Aerator is working and no algae present in the water. Basin was maintained 04/2018.	7/12/2018	No	Retention Basin	0		Public
Lambert's Point Rec Center Parking Addition	S57.1	Ok	7/12/2018	No	General Infiltration Practices	0		Public
Lamberts Point Townhouses	10-0051.1	Pervious Pavers- ok.	2/21/2019	No	General Infiltration Practices	0		Private
Lamberts Point Townhouses	10-0051.2	Filterra Unit along 26th Street that is city maintained and identified as SWMF ID S59.1 It was previously archived on 2/10/2017. See S59 for inspection information.	2/21/2019	No	Manufactured BMP Systems	0		Private
Larchmont Elementary School	14-0084.1	Ok-well stabilized.	7/23/2018	No	Retention Basin	0		School
Laundromat	07-0110.1	Ok.	3/13/2019	No	Detention Basin	0		Private
Laundromat	07-0110.2	Ok.	3/13/2019	No	Detention Basin	0		Private
Laundromat, Shops, Offices	05-0009.1	Please address significant rill erosion on basin bottom, as well as denuded areas.	9/26/2018	Yes	General Infiltration Practices	1	11/26/2018	Private
Leigh Hall Assisted Living Building	13-0064.1	ok- Maintenance Records provided from maintenance event 08/2018	1/17/2019	No	Manufactured BMP Systems	0		Private
Leigh Medical Office Building	07-0061.1	Please maintain the Filterra units as specified by the manufacturer and please provide a copy of the maintenance records. Please remove leaf litter and debris from beneath grates. Please remove leaf litter and debris from curb inlet.	1/10/2019	Yes	Manufactured BMP Systems	1	3/8/2019	Private
Leigh Medical Office Building	07-0061.2	Please maintain the Filterra units as specified by the manufacturer and please provide a copy of the maintenance records. Please remove leaf litter and debris from beneath grates. Please remove leaf litter and debris from curb inlet	1/10/2019	Yes	Manufactured BMP Systems	1	3/8/2019	Private
Leigh Medical Office Building	07-0061.3	Please maintain the Filterra units as specified by the manufacturer and please provide a copy of the maintenance records. Please remove leaf litter and debris from beneath grates. Please remove leaf litter and debris from curb inlet	1/10/2019	Yes	Manufactured BMP Systems	1	3/8/2019	Private
Leigh Medical Office Building	07-0061.4	Please remove accumulated sediment from curb cut inlets in parking lot. Please remove excessive leaf and little debris from bottom of swale. Please address erosion on banks of swale near riprap.	1/10/2019	Yes	Bioretention Basins	1	3/8/2019	Private
Liberty Tax Service	T699.1	Rock check dams are not present, but per previous inspection reports, have not been present for some time. Swale is well vegetated and no standing water is present- ok.	12/18/2018	No	Grassed Swale	0		Private
Little Creek East Shopping Center	T297.1	Remove excessive leaf debris and trash from detention basin. Clear vegetation from inlet/outlet.	11/9/2018	Yes	Detention Basin	1	1/18/2019	Private
Little Creek Elementary Parking Lot	NPS20.1	Grass swale/detention basin-ok. Well maintained. Some accumulated sediment at inlet draining parking lot, but it was raining at time of inspection and no standing water present.	11/5/2018	No	Grassed Swale	0		School
Little Creek Self Storage	05-0179.1	Ok. Some leaf litter, but spoke with Manager and this is addressed with routine maintenance.	11/13/2018	No	Bioretention Basins	0		Private
Little Creek Self Storage	05-0179.2	Ok. Some leaf litter, but spoke with Manager and this is addressed with routine maintenance.	11/13/2018	No	Bioretention Basins	0		Private
Lots 21 & 22	03-0162.1	Pervious pavers-ok. No pooling of water or sediment accumulation present.	10/25/2018	No	General Infiltration Practices	0		Private
Lowery Road Pedestrian Improvements	15-0028.1	Routine maintenance scheduled for May. Remove accumulated sediment from inlet. Remove debris and trash from Filterra.	2/21/2019	Yes	Manufactured BMP Systems	1	6/14/2019	Public

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Lowery Road Pedestrian Improvements	15-0028.2	Routine maintenance scheduled for May. Remove accumulated sediment from inlet. Remove debris and trash from Filterra.	2/21/2019	Yes	Manufactured BMP Systems	1	6/14/2019	Public
Lowe's Garden Expansion	06-0138.1	Please remove accumulated trash and debris from vegetated filter strip.	3/13/2019	Yes	Vegetated Filter Strip	1	5/3/2019	Private
MacArthur Mall Museum Expansion	S64.1	Ok. Looks like maintenance was just preformed, fresh mulch.	8/14/2018	No	Manufactured BMP Systems	0		Private
MacArthur Mall Museum Expansion	S64.2	Ok.	8/14/2018	No	Detention Basin	0		Public
Macedonia Christian Church	T116.1	Detention basin is overgown, please cut vegetation back.	5/7/2019	Yes	Detention Basin	2	7/1/2019	Private
Mallory Country Club	01-0019.1	Well vegetated and maintained-ok.	6/11/2019	No	General Infiltration Practices	0		Private
Matrix Technical Solutions, Inc.	00-4283.1	Please clear excessive overgrowth of vegetation from the infiltration basin. Please remove trash and debris from basin, dispose of all collected material in a lawful manner. Please remove vegetation that is blocking the drop inlet in the infiltration basin.	9/21/2018	Yes	General Infiltration Practices	2	1/10/2019	Private
McCoy Duplex	16-0018.1	Vegetation well maintained, forebay retaining wall with orifice good, small area washed out at southern end of infiltration basin. Talked with Cate McCoy onsite and she said she would fix it - Ok	8/30/2018	No	Infiltration 1	0		Private
McDonald's rebuild	07-0113.1	Coagulated grease product was found in the drop inlet and pipe of the Infiltration Trench, along with a substantial amount of trash and sediment. NOV was issued to General Manager for illicit discharge.	12/18/2018	Yes	General Infiltration Practices	1	12/20/2018	Private
McKann Ave Street Expansion	S44.1	Scheduled for maintenance by BMP Crew for October. Prune trees. Remove accumulated sediment from inlet/outlet. Replace mulch. Remove trash and debris.	8/16/2018	Yes	Manufactured BMP Systems	1	11/2/2018	Public
McRae Commons Condo Units	05-0145.1	Ok.	8/7/2018	No	General Infiltration Practices	0		Private
Meadow Lake	S15.1	Spillway is clogged with alligator weed and trash. Will place service request to have this cleaned out.	2/12/2019	Yes	Retention Basin	1	3/22/2019	Public
Meadowood Apartments	10-0059.1	Ok. Spoke with maintenance staff and basin was serviced last week.	10/2/2018	No	Retention Basin	0		Private
Meadowood Apartments	10-0059.2	Underground detention. Ok.	10/2/2018	No	Manufactured BMP Systems	0		Private
Medical Center	06-0092.1	Bioretention basins x 2- located behind fences, ok.	6/19/2019	No	Bioretention Basins	0		Private
Metro Machine Parking Addition	09-0057.1	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition	09-0057.10	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition	09-0057.2	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition	09-0057.3	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition	09-0057.4	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private

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Metro Machine Parking Addition	09-0057.5	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition	09-0057.6	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition	09-0057.7	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition	09-0057.8	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition	09-0057.9	10 Filterras - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, these 10 Filterras (09-0057) and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metro Machine Parking Addition Phase II	10-0025.1	1 Filterra - Ok, Received copies of the maintenance records from the 6/19/2018 and 12/23/2018 maintenance events. The maintenance records included the maintenance of 11 Filterras, 10 Filterras for 09-0057 and the 1 Filterra for 10-0025.	12/28/2018	No	Manufactured BMP Systems	0		Private
Metropolitan Funeral Service	06-0134.1	Pervious Pavement-dry-ok.	12/18/2018	No	General Infiltration Practices	0		Private
MHI - Raleigh Ave. Parking Lot	17-0042.1	Credit Purchase of 0.45 lbs P and 0.99 lbs N, Affidavit of Sale dated 12/11/2017. As built for stormwater system improvements dated 2/7/2019, and final inspection completed on 3/7/2019 - Ok	3/7/2019	No	Other SWMF	0		Private
MHI Building Addition and Bulkhead	06-0144.1	Baysaver-Please maintain the Baysaver per manufacturer's specifications and provide a copy of the maintenance record.	3/25/2019	Yes	Manufactured BMP Systems	1	7/12/2019	Private
Miller Gas Station	04-0067.1	Ok- Please provide Filterra maintenance logs.	7/23/2018	No	Manufactured BMP Systems	0		Private
Mixed Use Development Church St.	14-0080.1	Detention basin-well vegetated-ok.	5/10/2019	No	Detention Basin	0		Private
Mixed Use Development Church St.	14-0080.2	Permeable Pavement-ok.	5/10/2019	No	Permeable Pavement 1	0		Private
Moran Towing of Virginia, Inc.	T450.1	Grassed Swale-ok.	5/21/2019	No	Grassed Swale	0		Private
Mount Pleasant Baptist Church Parking Lot	T593.1	Remove accumulated trash and debris from basin, the inlet draining into the basin, and the drop inlet within the parking lot.	7/16/2018	Yes	Detention Basin	1		Private
Mount Pleasant Baptist Church Parking Lot	T593.1	Remove accumulated sediment and debris from basin, the inlet draining into the basin and the drop inlet within the parking lot.	2/4/2019	Yes	Detention Basin	1		Private
Mt. Gilead Baptist Church	00-4298.1	Please clear accumulated sediment and debris from curb cut inlets, and remove vegetation (grass and weeds) from both infiltration basins in the parking lots.	9/19/2018	Yes	General Infiltration Practices	1	11/27/2018	Private
Mt. Gilead Baptist Church	00-4298.2	Please clear accumulated sediment and debris from curb cut inlets, and remove vegetation (grass and weeds) from both infiltration basins in the parking lots.	9/19/2018	Yes	General Infiltration Practices	1	11/27/2018	Private
Mt. Gilead Chruch Addition	00-4540.1	Underground Infiltration Trench-ok.	9/19/2018	No	General Infiltration Practices	0		Private
Nauticus	S29.1	Ok. Underground Retention System.	8/10/2018	No	Manufactured BMP Systems	0		Public
New Hope United Church of Christ	06-0096.1	Ok.	12/18/2018	No	Detention Basin	0		Private
New Life Christian Center	07-0065.1	Clean curb cuts in parking lot to remove accumulated sediment. Cut back overgrown bushes in basin.	10/2/2018	Yes	Bioretention Basins	1		Private

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Newtowne South Townhomes	06-0036.1	2 detention basins tied together with 15"RCP under road. Inspection called for final CO-Ok.	9/6/2018	No	Detention Basin	0		Private
Norchester Pump Station No. 116 Replacement	13-0023.1	Grassed swale-well vegetated-ok.	5/13/2019	No	Grassed Swale	0		Public
Norchester Pump Station No. 116 Replacement	13-0023.2	Grassed swale-well vegetated-ok.	5/13/2019	No	Grassed Swale	0		Public
Norchester Pump Station No. 116 Replacement	13-0023.3	Grass swale was archived from 2015 Plan Revision	5/13/2019	No	Grassed Swale	0		Public
Norfolk Apostolic Church Parking Lot	06-0026.1	Ok.	9/27/2018	No	Bioretention Basins	0		Private
Norfolk Christian School	05-0153.1	Please remove accumulated sediment from curb cut/inlet in parking lot. Please provide a cap to the observation well in the detention basin.	6/27/2019	Yes	Detention Basin	1	7/18/2019	Private
Norfolk Christian Soccer Field	15-0058.1	Site has been well maintained.	7/6/2018	No	Grass Channel	0		Private
Norfolk Collegiate Lower School	T478.1	Ok. Met with Mr. Chupik (maintenance supervisor) on site. Maintenance is done monthly on BMP. If questions/concerns, contact : rchupik@norfolkcollegiate.org	8/3/2018	No	Extended Detention Basin	0		Private
Norfolk Commerce Park	04-0066.1	Ok.	9/27/2018	No	General Infiltration Practices	0		Private
Norfolk Commerce Pond #1	S9.1	Remove overgrown vegetation from inlets and outlets. Remove woody vegetation growth from banks of retention basin. Maintenance needed for overgrown vegetation on basin bottom.	9/26/2018	Yes	Retention Basin	1	10/12/2018	Private
Norfolk Commerce Pond #2	S10.1	Remove overgrown vegetation from inlets and outlets. Remove woody vegetation growth from banks of retention basin. Maintenance needed for overgrown vegetation on basin bottom.	9/26/2018	Yes	Retention Basin	1	10/12/2018	Private
Norfolk Commerce Pond #3	S11.1	Ok.	9/26/2018	No	Detention Basin	0		Public
Norfolk Community Rowing Center	00-4300.1	Please remove woody vegetation located in the infiltration basin. Remove the accumulated leaf litter and other debris from the rip rap spillway and infiltration basin. Dispose of all collected material in a lawful manner.	7/20/2018	Yes	General Infiltration Practices	1		Private
Norfolk Courts Rear Access	16-0105.1	Remove trash. Maintain overgrown grass.	8/14/2018	Yes	Infiltration 1	1		Public
Norfolk Cruise Terminal	05-0060.1	Ok.	8/10/2018	No	Manufactured BMP Systems	0		Public
Norfolk Cruise Terminal	05-0060.2	Ok.	8/10/2018	No	Manufactured BMP Systems	0		Public
Norfolk Fitness and Wellness Center	T217.1	Please remove accumulated sediment at the inlet pipe. Please provide stabilization to denuded areas on basin bottom.	1/28/2019	Yes	Detention Basin	1		Public
Norfolk General New Pavilion & Parking	03-0327.1	Please clear vegetation and debris from inlets and outlets of the bioretention basin. Remove the woody vegetation within the bioretention basin and cut back the remaining vegetation within the bioretention basin. Please remove accumulated trash and dispose of in a lawful manner.	7/27/2018	Yes	Bioretention Basins	2	8/30/2018	Private
Norfolk General New Pavilion & Parking	03-0327.2	Please clear vegetation and debris from inlets and outlets of the bioretention basin. Remove the woody vegetation within the bioretention basin and cut back the remaining vegetation within the bioretention basin. Please remove accumulated trash and dispose of in a lawful manner.	7/27/2018	Yes	Bioretention Basins	2	8/30/2018	Private
Norfolk General New Pavilion & Parking	03-0327.3	Please provide a copy of the maintenance log for the Stormceptor.	7/27/2018	Yes	Manufactured BMP Systems	2	8/30/2018	Private
Norfolk General New Pavilion & Parking	03-0327.4	Please provide a copy of the maintenance log for the Stormceptor.	7/27/2018	Yes	Manufactured BMP Systems	2	8/30/2018	Private
Norfolk Juvenile Detention Center	S26.1	Ok-retrofitted BMP. Small amount of erosion near rip rap on Northeast bank-keep an eye on.	3/4/2019	No	Wet Pond 1	0		Public
Norfolk Multi-Modal Transportation Center	S67.1	Ok. Maintenance is scheduled for May.	8/24/2018	No	Manufactured BMP Systems	0		Public

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Norfolk Police Department Firearms Range	S49.1	Infiltration Swale-ok. No standing water present. Burn barrels are present along the banks, but no ash is present around or deposited into the BMP.	2/14/2019	No	General Infiltration Practices	0		Public
Norfolk Public Health Center	S27.1	Remove accumulated sediment and trash from inlet.	8/28/2018	Yes	General Infiltration Practices	1	10/29/2018	Public
Norfolk Public Schools Transportation Operations	NPS02.1	Erosion noted on the banks that has contributed to sediment accumulation on basin bottom. (per Ryan Hudgins, the site is still under warranty. Contractor will be contacted to visit site and correct the issues). Remove accumulated debris from on top of inlet grate.	2/14/2019	Yes	Detention Basin	1		School
Norfolk Tent Company	T229.1	Remove accumulated sediment from inlet pipe.	3/11/2019	Yes	Detention Basin	1		Private
Norfolk Yacht and Country Club	00-4333.1	Please inspect and maintain the Vortech unit in accordance with the manufacturer's specifications, and provide a copy of the inspection and the maintenance records.	6/11/2019	Yes	Manufactured BMP Systems	1		Private
Northside Middle School Parking Lot	NPS21.1	Bioretention basin-ok	4/11/2019	No	Bioretention Basins	0		School
Norview Community Center	S48.1	Remove trash from basin. Remove accumulated sediment from on top of inlets.Remove accumulated sediment from curb cuts in parking lot.	9/21/2018	Yes	Bioretention Basins	1	10/18/2018	Public
Norview Community Center	S48.2	2 U/G Infiltration Systems- Only serviced per inspection, request sent. Sediment accumulation and standing water present.	9/21/2018	Yes	General Infiltration Practices	1	10/18/2018	Public
Norview High School	NPS11.1	Excessive algae growth in pond, and a good amount of trash present. There is a build up of sediment in the retention basin immediately downgradient from the RCP flared-end inlet (east end of basin) that needs to be dredged out. Also, need to cut overgrown vegetation (especially woody vegetation) around the perimeter of the basin.	7/9/2018	Yes	Retention Basin	1		School
Norview High School	NPS11.1	Ok-it appears since last inspection that maintenance requested has been done.	2/26/2019	No	Retention Basin	0		School
Norview Landings	00-4343.1	Replace VDOT # 3 stone that is missing at inlet/outlet per approved plan. Remove accumulated sediment and vegetation from outlet pipe.Rip rap missing from North side of embankment.	9/19/2018	Yes	Detention Basin	1		Private
Norview Middle School	NPS01.1	Detention basin- ok. Minimal trash and water. Looks well maintained.	11/27/2018	No	Extended Detention Basin	0		School
Norview Middle School	NPS01.2	Detention basin- ok. Minimal trash and water. Looks well maintained.	11/27/2018	No	Extended Detention Basin	0		School
NPD 2nd Prencinct Training Center	S45.1	Retention basin-appears to have recently had maintenance, ok.	3/7/2019	No	Retention Basin	0		Public
NRHA Broad Creek Ph. 5	14-0022.1	Maintain overgrown grass as part of routine maintenance. Remove overgrown grass near inlets/outlets. Remove cat tails from basin bottom.	8/23/2018	Yes	Extended Detention Basin	1		Private
O' Reilly Auto Parts	T278.1	Please clear and remove the accumulated sediment and vegetation from inside the 3 slotted inlet grates. Clean the accumulated sediment from the infiltration trench and connecting structures.	8/6/2018	Yes	General Infiltration Practices	3	12/10/2018	Private
Ocean View Elementary School	14-0085.1	Ok-there is a small amount of Cat Tails present, but does not need to be addressed at this time (keep an eye on).	4/16/2019	No	Wet Pond 1	0		School
ODU Barry Art Museum	16-0094.1	Bioretention installed from 5/31/2018 to 6/19/2018, As Built dated 7/11/2018, reviewed and approved on 8/15/2018, final inspection performed today (8/15/2018) - Looks good, approve release of CO.	8/15/2018	No	Bioretention 1	0		Private
ODU Barry Art Museum	16-0094.2	Bioretention installed from 6/8-21/2018, As Built dated 7/11/2018, reviewed and approved on 8/15/2018, final inspection performed today (8/15/2018) - Looks good, approve release of CO.	8/15/2018	No	Wet Pond 1	0		Private

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ODU University Village	S39.1	Erosion on bank of East side pond near the "Brock Commons" sign(see attached pictures). City maintains aerators and ODU maintains landscaping around the retention basins. Aerators were working properly during inspection.	7/12/2018	Yes	Retention Basin	1	9/17/2018	Public
Office Warehouse	05-0195.1	Remove woody vegetation from banks. Clean orifice at bottom of DI. Remove accumulated leaf debris from on top of the DI. Clean curb cut inlets.	9/28/2018	Yes	Extended Detention Basin	2	11/30/2018	Private
Orapax Inn	08-0026.1	Ok - some areas where fine sediment has accumulated and likely has standing water for a short period of time after a rain event, but is dry today and rained earlier in the week.	7/13/2018	No	Permeable Pavement 1	0		Private
O'Reilly Auto Parts	11-0015	Please repair erosion on banks from rooftop downspouts. Cut back vegetation to allow for adequate water from inlet/outlet pipes. Collect and dispose of trash/debris in detention basin.	10/15/2018	Yes	Extended Detention Basin	2	1/18/2019	Private
Palace Station, LLC	06-0019.1	2 Storm tech underground detention systems-ok. Some accumulated sediment in drop inlet, less than 1/2 inch. Please maintain the two Storm Tech detention systems in accordance with the manufacturer's specifications, and provide copies of the maintenance logs.	10/19/2018	Yes	Manufactured BMP Systems	1		Private
Parkdale Channel Improvements	15-0011.1	Parkdale Channel Improvements, stream restoration project between Virginian Dr. and Suburban Pkwy, Plantings and stream banks look good and only a minor amount of litter/trash present. However, a heavy sheen of oil was found on the water surface at the southern end where the stream goes into 2 RCPs beneath Suburban Pkway. The quantity and source of the oil is unknown and there was not any obvious oil immediately downstream. Oil booms were put out and the incident was reported to VA DEQ (IR #143733).	7/27/2018	No	Other SWMF	0		Public
Parkdale Day School	91067.032.1	Drip line trench OK. As noted in last inspection, the porous concrete was not installed, but a letter in the file from the design engineer states they were not going to install the proposed basketball court to make up for not installing the porous concrete.	7/27/2018	No	General Infiltration Practices	0		Private
Parking Lot	T792.1	Ok.	5/21/2019	No	General Infiltration Practices	0		Private
Parking Lot Addition	04-0115.1	Ok.	12/11/2018	No	Grassed Swale	0		Private
Parking Lot Addition	04-0115.2	Please maintain the BMP in accordance with the manufacturer's specifications and provide copies of the maintenance records.	12/11/2018	Yes	Manufactured BMP Systems	2	3/22/2019	Private
Parking Lot Addition	04-0115.3	Please maintain the BMP in accordance with the manufacturer's specifications and provide copies of the maintenance records.	12/11/2018	Yes	Manufactured BMP Systems	1	3/22/2019	Private
Parktowne Apartments	05-0188.1	Please remove accumulated leaf debris from grassed swales.	12/10/2018	Yes	Grassed Swale	1	1/3/2019	Private
Parktowne Apartments	05-0188.2	Please remove accumulated leaf debris from grassed swales.	12/10/2018	Yes	Grassed Swale	1	1/3/2019	Private
Parktowne Apartments	05-0188.3	Please maintain Filterra unit in accordance with manufacturer's specifications, and provide a copy of the maintenance record.	12/10/2018	Yes	Manufactured BMP Systems	1	1/3/2019	Private
Parktowne Apartments	05-0188.4	Please maintain Filterra unit in accordance with manufacturer's specifications, and provide a copy of the maintenance record.	12/10/2018	Yes	Manufactured BMP Systems	1	1/3/2019	Private
Parktowne Apartments	05-0188.5	Please remove accumulated leaf debris from grassed swales.	12/10/2018	Yes	Grassed Swale	1	1/3/2019	Private
Parktowne Apartments	05-0188.6	Please maintain Filterra unit in accordance with manufacturer's specifications, and provide a copy of the maintenance record.	12/10/2018	Yes	Manufactured BMP Systems	1	1/3/2019	Private

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Parktowne Clubhouse	14-0008.1	Please maintain Filterra unit in accordance with manufacturer's specifications, and provide a copy of the maintenance record.	12/10/2018	Yes	Manufactured BMP Systems	1	1/3/2019	Private
Picadily Mews	02-0193.1	Ok.	9/26/2018	No	Detention Basin	0		Private
Picadily Mews	02-0193.2	Ok.	9/26/2018	No	Grassed Swale	0		Private
Pizzeria Uno	T70.1	Remove trash and debris from retention basin. Maintain cat tails by cutting back (remove debris after cutting to prevent clogging of basin bottom).	1/28/2019	Yes	Retention Basin	2	2/15/2019	Private
Plume Ln. Parking Garage	S35.1	Ok. Maintained 08/2017. Scheduled for maintenance August 2018.	8/10/2018	No	Manufactured BMP Systems	0		Public
Police Training Center Track	S46.1	Swales located around track-ok.	2/14/2019	No	Grassed Swale	0		Public
Police Training Center Track	S46.2	Please remove phragmites vegetation from basin sides and basin bottom. Remove accumulated sediment/debris from inlet and outlet.	2/14/2019	Yes	Extended Detention Basin	1		Public
Pope Avenue Street Improvements	S34.1	Curb inlet needs to be vactored out to remove accumulated sediment.	8/30/2018	Yes	Manufactured BMP Systems	1	9/7/2018	Public
Popular Hall Trail	16-0049.1	Compost Amended Soil-ok.	3/14/2019	No	Other SWMF	0		Public
Premium Outlets Boulevard	15-0043.1	4 Filterras by Northampton Blvd. Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Public
Premium Outlets Boulevard	15-0043.2	4 Filterras by Northampton Blvd. Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Public
Pretlow Library	S42.1	U/G and DI's- minor sediment accumulation.	4/1/2019	No	General Infiltration Practices	0		Public
Pretty Lake Condos	13-0089.1	Extended Detention Basin- well maintained, ok.	11/19/2018	No	Extended Detention Basin	0		Private
Pretty Lake Estates - Lot 11	T236.1	Vegetated Filter Strip at rear of property. Notes in file "Entire 50' rear buffer to act as natural BMP."	1/7/2019	No	Bioretention Basins	0		Private
Pretty Lake Estates - Lot 14	T237.1	Vegetated Filter Strip at rear of property. Notes in file "Entire 50' rear buffer to act as natural BMP."	1/7/2019	No	Bioretention Basins	0		Private
Pretty Lake Greens	13-0057.1	Small amount of sediment at DI on lot # 1 (less than 1/4 inch in DI). Basin's in lots # 3 and lot # 5 are well maintained.	11/19/2018	No	Detention Basin	0		Private
Pretty Lake Terrace - Infrastructure Only	03-0129.1	Minor amounts of accumulated sediment in paved flumes.	1/25/2019	No	Grassed Swale	0		Private
Pretty Lake Townhouses	03-0303.1	2615 has still not been built. Ok.	12/17/2018	No	Extended Detention Basin	0		Private
Pretty Lake Village	03-0292.1	Underground Infiltration System-ok.	2/25/2019	No	General Infiltration Practices	0		Private
Promenade Pointe	10-0061.1	Ok. Please provide copies of maintenance logs for Filterra units.	8/3/2018	Yes	Manufactured BMP Systems	1		Private
Promenade Pointe	10-0061.2	Ok. Please provide maintenance records for Filterra units.	8/3/2018	Yes	Manufactured BMP Systems	1		Private
Public Storage	04-0030.1	Ok. Western dry pond.	9/27/2018	No	Extended Detention Basin	0		Private
Public Storage	04-0030.2	Ok. Eastern dry pond.	9/27/2018	No	Extended Detention Basin	0		Private
Pump Station 34 Replacement	S54.1	Ok.	6/5/2019	No	Grassed Swale	0		Public
Rally's	03-0047.1	Please remove accumulated sediment and debris from curb-cut inlets.	9/26/2018	Yes	General Infiltration Practices	2	11/30/2018	Private
Raytheon	92067.076.1	Ok. There is some growth and woody vegetation growing in the gravel.	9/7/2018	No	Detention Basin	0		Private
Raytheon	92067.076.1	Ok.	3/6/2019	No	Detention Basin	0		Private
Residental Dwellings	05-0137.1	Bioretention basins-ok.	11/9/2018	No	Bioretention Basins	0		Private
Retail Shops	03-316.1	3 cartridge Contech Stormfilter and Underground Detention System downstream of Contech Stormfilter-Please maintain the Contech Stormfilter in accordance with the manufacturer's specifications, and provide a copy of the maintenance record. Remove accumulated trash and debris from inlet.	2/25/2019	Yes	Manufactured BMP Systems	1		Private
River House Apartments	07-0073.1	Filterra-Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	5/23/2019	Yes	Manufactured BMP Systems	1	8/27/2019	Private
River House Apartments	07-0073.2	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	5/23/2019	Yes	Manufactured BMP Systems	1	8/27/2019	Private
River Oaks Office Addition	03-163.1	Concrete swale-ok.	3/7/2019	No	Grassed Swale	0		Private
Riverpark Condominiums	02-0075	Ok. Less than an inch of standing water (rain event previous evening).	8/13/2018	No	General Infiltration Practices	0		Private
Riverpoint Condos	05-0176.1	Underground Infiltration Trench-ok.	6/6/2019	No	General Infiltration Practices	0		Private

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Riverside Commerce Center I	T719.1	Ok-well maintained.	3/20/2019	No	Retention Basin	0		Private
Ronald McDonald House	01-0031.1	Well maintained-ok.	6/6/2019	No	Bioretention Basins	0		Private
Roosevelt Family Medicine	06-0101.1	Remove trash from drop inlet.	11/16/2018	Yes	Detention Basin	1	1/15/2019	Private
Royal Farms	16-0115.1	Detention basin 1 (Quantity only) at NE corner of site by intersection of Raby Rd and Pleasant Valley Rd. - Received As Built dated 8/31/18, all 3 detention basins had grading issues and were holding water for an excessive period of time, also some other site issues were noted during a 10/30/2018 site inspection. Contractor was notified of issues by email on 10/31/2018. Meet contractor onsite on 12/21/2018 and they corrected the issues. The basins were still holding a minor amount of runoff, but it had rained the night before. We revisited the site on 12/27/2018 after several days without rain and little to no standing water was present within the detention basins (although the bottom of the basins were muddy) - Ok	12/27/2018	No	Detention Basin	0		Private
Royal Farms	16-0115.2	Detention basin 2 (Quantity only) at SE corner of site by intersection of Raby Rd and E Virginia Beach Blvd. - Received As Built dated 8/31/18, all 3 detention basins had grading issues and were holding water for an excessive period of time, also some other site issues were noted during a 10/30/2018 site inspection. Contractor was notified of issues by email on 10/31/2018. Met contractor onsite on 12/21/2018 and they corrected the issues. The basins were still holding a minor amount of runoff, but it had rained the night before. We revisited the site on 12/27/2018 after several days without rain and little to no standing water was present within the detention basins (although the bottom of the basins were muddy) - Ok	12/27/2018	No	Detention Basin	0		Private
Royal Farms	16-0115.3	Detention basin 3 (Quantity only) at SW corner of site by car wash. - Received As Built dated 8/31/18, all 3 detention basins had grading issues and were holding water for an excessive period of time, also some other site issues were noted during a 10/30/2018 site inspection. Contractor was notified of issues by email on 10/31/2018. Met contractor onsite on 12/21/2018 and they corrected the issues. The basins were still holding a minor amount of runoff, but it had rained the night before. We revisited the site on 12/27/2018 after several days without rain and little to no standing water was present within the detention basins (although the bottom of the basins were muddy) - Ok	12/27/2018	No	Detention Basin	0		Private
Royal Farms	16-0115.4	Credit Purchase of 1.49 lbs P & 3.28 lbs N from Cranston Mill Pond. Affidavit of Sale dated 8/7/2017.	12/27/2018	No	Other SWMF	0		Private
Royal Farms	16-0115.5	Oil-Water Seperator to treat drainage around fuel pumps - Ok, a heavy sheen of oil was found in the OWS on 10/30/2018. Royal Farms had the OWS cleaned out during the weekend of 11/10/2018 - Ok	12/27/2018	No	Other SWMF	0		Private
Ruggoso Dunes	03-0138.1	Pervious Pavers-ok.	11/28/2018	No	General Infiltration Practices	0		Private
Saesoon Presb. Church	T119.1	Remove accumulated leaf litter from basin bottom.	2/14/2019	Yes	Detention Basin	1	7/9/2019	Private
Saesoon Presb. Church	T119.2	Remove accumulated leaf litter from basin bottom.	2/14/2019	Yes	Detention Basin	1	7/9/2019	Private
Safe Place Mini Storage	T333.1	Detention basin-ok.	3/20/2019	No	General Infiltration Practices	0		Private
Saint Clair's Law Firm Office Addition	06-0090.1	Infiltration basin-ok.	11/16/2018	No	General Infiltration Practices	0		Private
Saint Pauls COGIC	02-0007.1	Underground infiltration-minimal sediment and debris-ok.	12/18/2018	No	General Infiltration Practices	0		Private
Saint Pauls COGIC	02-0007.2	Underground infiltration-minimal sediment and debris-ok.	12/18/2018	No	General Infiltration Practices	0		Private

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Saint Pauls COGIC	02-0007.3	Underground infiltration-minimal sediment and debris-ok.	12/18/2018	No	General Infiltration Practices	0		Private
Saint Pius Church Addition	04-0135.1	Ok-dry, no standing water present.	12/18/2018	No	Grassed Swale	0		Private
Sam's Club	14-0049.1	Please maintain the Stormceptor in accordance with the manufacturer's specifications, and please provide a copy of the maintenance log.	6/19/2019	Yes	Manufactured BMP Systems	1		Private
Sam's Club	14-0049.2	Please maintain the Oil-Water Separator in accordance with the manufacturer's specifications, and please provide a copy of the maintenance log.	6/19/2019	Yes	Other SWMF	1		Private
Sandollar Duplex	06-0104.1	Infiltration basin-some denuded areas on basin bottom. Spoke with homeowner about stabilization-ok.	4/4/2019	No	General Infiltration Practices	0		Private
Savannah Suites	04-0111.1	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	5/29/2019	Private
Savannah Suites	04-0111.2	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records. A large empty farm tote was discovered in down slope of the BMP, no contaminants were found in the BMP or nearby structures. Spoke with Manager on Duty Janelle, and gave until Monday to move tote. Will reinspect that tote is moved on 2/26/2019.	2/21/2019	Yes	Manufactured BMP Systems	4	5/29/2019	Private
Savannah Suites	04-0111.3	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	5/29/2019	Private
Savannah Suites	04-0111.4	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	5/29/2019	Private
Savannah Suites	04-0111.5	Ok.	2/21/2019	No	Detention Basin	0		Private
Savannah Suites	04-0111.6	Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	2/21/2019	Yes	Manufactured BMP Systems	3	5/29/2019	Private
Seaward Marine Services	02-0101.1	Remove accumulated sediment and vegetation from curb cuts and curb line. Remove invasive species (Phragmites) from basin bottom and side slopes and cut back overgrowth of vegetation. Remove invasive growth from blocking spillway structure. Remove trash and debris.	9/21/2018	Yes	Detention Basin	1	10/16/2018	Private
Senior Housing Development	02-0158.1	Well maintained, aerator is running-ok.	6/11/2019	No	Retention Basin	0		Private
Sentara Leigh Nursing Tower Replacement	11.0077.8	11-0077.8 Sourthern bioretention basin in front (west side) of building - Please remove accumulated sediment within the paved-flume inlets and within the stone immediately downgradient of the inlets.	9/28/2018	Yes	Bioretention 2	1	1/11/2019	Private
Sentara Leigh Nursing Tower Replacement	11.0077.9	11-0077.9 Middle linear bioretention basin in front (west side) of hospital-Please remove accumulated sediment within the paved-flume inlets and within the stone immediately downgradient of the inlets	9/28/2018	Yes	Bioretention 2	1	1/11/2019	Private
Sentara Leigh Nursing Tower Replacement	11-0077.1	Detention basin for back parking lot - Please remove accumulated sediment within and immediately in front of flared-end RCP inlet to ensure postive drainage into the BMP.	9/28/2018	Yes	Extended Detention Basin	1	1/11/2019	Private
Sentara Leigh Nursing Tower Replacement	11-0077.10	11-0077.10 Northern bioretention basin in front of (west side) hospital - Please remove invasive vegetation within the bioretention basin, and remove accumulated sediment within the paved-flume inlets and within the stone immediately downgradient of the inlets.	9/28/2018	Yes	Bioretention 2	1	1/11/2019	Private
Sentara Leigh Nursing Tower Replacement	11-0077.11	11-0077.11 Northern U/G detention basin in front of (west side of) hospital - Ok	9/28/2018	No	Extended Detention Basin	0		Private
Sentara Leigh Nursing Tower Replacement	11-0077.12	11-0077.12 Southern U/G detention basin in front of (west side of) hospital - Ok	9/28/2018	No	Extended Detention Basin	0		Private

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Sentara Leigh Nursing Tower Replacement	11-0077.13	11-0077.13 U/G detention basin closest to Kempsville Rd. - Ok	9/28/2018	No	Extended Detention Basin	0		Private
Sentara Leigh Nursing Tower Replacement	11-0077.2	Filterra on North side of Emergency Room parking lot - Please maintain the Filterra unit in accordance with the manufacturer's specifications and provide a copy of the maintenance record. The curb-inlet of the Filterra unit is blocked with accumulated sediment. The accumulated sediment within the Filterra unit must be removed.	9/28/2018	Yes	Manufactured BMP Systems	1	1/11/2019	Private
Sentara Leigh Nursing Tower Replacement	11-0077.3	11-0077.3 Filterra on south side of Emergency Room parking lot - Please maintain the Filterra units in accordance with the manufacturer's specifications and provide copies of the maintenance records. The curb-inlets of the Filterra units are blocked with accumulated sediment. The accumulated sediment within the Filterra units must be removed.	9/28/2018	Yes	Manufactured BMP Systems	1	1/11/2019	Private
Sentara Leigh Nursing Tower Replacement	11-0077.5	11-0077.5 â€" Filterra at southeast corner of property near multilevel parking deck. Please maintain the Filterra units in accordance with the manufacturer's specifications and provide copies of the maintenance records. The curb-inlets of the Filterra units are blocked with accumulated sediment. The accumulated sediment within the Filterra units must be removed.	9/28/2018	Yes	Manufactured BMP Systems	1	1/11/2019	Private
Sentara Leigh Nursing Tower Replacement	11-0077.6	Bioretention along southside of building within parking lot - Please remove the invasive vegetation within the bioretention basin, and remove accumulated sediment within the paved-flume inlets and the stone immediately downgradient of the inlets.	9/28/2018	Yes	Bioretention 2	1	1/11/2019	Private
Sentara Leigh Nursing Tower Replacement	11-0077.7	Linear grass swale bioretention along southwest side of building - Please remove accumulated sediment within the paved-flume inlets and within the stone immediately downgradient of the inlets.	9/28/2018	Yes	Bioretention 1	1	1/11/2019	Private
Sewells Point GC Entrance	S71.1	Small detention basin with concrete flume and grass swale inlet, installed as part of VDOT project in 2016, No record of inspection by VDOT or City of Norfolk prior to today (8/20/2018). Received email from VDOT on 8/16/2018 notifying us of the BMP - The detention basin looks to be in good condition, grass regularly cut, no trash or standing water - Ok.	8/20/2018	No	Detention Basin	0		Public
Sewells Point GC Entrance	S71.1	Small amount of accumulated sediment in concrete flume, but it does not appear to be affecting detention basin-ok.	6/5/2019	No	Detention Basin	0		Public
Sewells Point GC Entrance	S71.2	Small detention basin with concrete flume and grass swale inlet, installed as part of VDOT project in 2016, No record of inspection by VDOT or City of Norfolk prior to today (8/20/2018). Received email from VDOT on 8/16/2018 notifying us of the BMP - The detention basin looks to be in good condition, grass regularly cut, no trash or standing water - Ok.	8/20/2018	No	Detention Basin	0		Public
Sewells Point GC Entrance	S71.2	Small amount of accumulated sediment in concrete flume, but it does not appear to be affecting detention basin-ok.	6/5/2019	No	Detention Basin	0		Public
Sewells Point Mini Storage	11-0016.1	Please maintain the Filterra unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record. Please remove trash and debris from Filterra.	9/21/2018	Yes	Manufactured BMP Systems	1	9/27/2018	Private
Shamrock Gardens	06-0051.1	Swale and Infiltration basin-ok. Well vegetated and maintained.	10/25/2018	No	General Infiltration Practices	0		Private
Shamrock Gardens	06-0052.1	Infiltration basin/swale-ok.	10/25/2018	No	General Infiltration Practices	0		Private

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Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Shell	00-4243.1	Please clear overgrown vegetation and remove trash and debris within the detention basin.	12/12/2018	Yes	Detention Basin	1		Private
Shell	00-4243.1	Please remove overgrown vegetation from within basin bottom. Please remove trash and debris. Please remove accumulated sediment from inlet and outlet pipes.	2/6/2019	Yes	Detention Basin	1	3/8/2019	Private
Shell Station	T416.1	Remove accumulated trash and leaf litter from basin bottom. Clean inlets from sediment and leaf debris. Remove woody vegetation.	11/13/2018	Yes	Detention Basin	1	1/14/2019	Private
Sherwin Williams	12-0066.1	Ok.	12/18/2018	No	Extended Detention Basin	0		Private
Sherwood Forest Elementary	NPS10.1	Underground stone infiltration -Clear accumulated sediment from curb cut inlets. Accumulated sediment is residual from parking lot flow that is runoff to this stone u/g infiltration.	9/21/2018	Yes	General Infiltration Practices	1	11/26/2018	School
Sherwood Forest Elementary School	NPS15.1	Ok. BMP has just been maintained.	9/21/2018	No	Detention Basin	0		School
Shiloh Baptist Church Parking Lot	T173.1	Remove accumulated sediment from inlet pipe in detention basin.	3/11/2019	Yes	Detention Basin	1	5/10/2019	Private
Shiloh Baptist Church Parking Lot	T173.2	Remove accumulated sediment from inlet pipe in detention basin.	3/11/2019	Yes	Detention Basin	1	5/10/2019	Private
Shirley Avenue Parking Lot	13-0049.1	Please maintain Focal Point bioinfiltration systems in accordance with manufacturer's specifications and provide copies of the maintenance records.	10/17/2018	Yes	Manufactured BMP Systems	1	10/18/2018	Private
Shirley Avenue Parking Lot	13-0049.2	Please maintain Focal Point bioinfiltration systems in accordance with manufacturer's specifications and provide copies of the maintenance records.	10/17/2018	Yes	Manufactured BMP Systems	1	10/18/2018	Private
Shirley Avenue Parking Lot	13-0049.3	Underground Infiltration system-Ok. No standing water or accumulated sediment.	10/17/2018	No	Retention Basin	0		Private
Shorewood Shores Phase I	S41.1	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Shorewood Shores Phase I	S41.2	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Public
Shorewood Shores Phase I	S41.3	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Public
Shorewood Shores Phase I	S41.4	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Public
Shorewood Shores Phase I	S41.5	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Public
Shorewood Shores Phase II	06-0044.1	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Shorewood Shores Phase II	06-0044.2	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Shorewood Shores Phase II	06-0044.3	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Shorewood Shores Phase II	06-0044.4	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Shorewood Shores Phase II	06-0044.5	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Shorewood Shores Phase II	06-0044.6	Ok. Evaluated tree and it does not need to be replaced at this time. Some leaf litter present.	11/2/2018	No	Manufactured BMP Systems	0		Private
Signature Printing	T317.1	Parking lot infiltration area-ok.	3/11/2019	No	General Infiltration Practices	0		Private
Signature Printing	T317.2	Grassed swale-ok.	3/11/2019	No	Grassed Swale	0		Private
Silver Lake/Duck Pond	S14.1	Ok. There are a few trees located on the banks of the pond that have fallen, but are located on private property with no public access.	2/12/2019	No	Retention Basin	0		Public
Southside Aquatic Center	11-0020.1	Remove trash from basin. Clear growth from the inlet/outlet pipes. Remove trash from basin. Maintain overgrowth of vegetation. Remove woody vegetation from the banks	8/13/2018	Yes	Detention Basin	1	10/11/2018	Public

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Southside Aquatic Center	11-0020.1	Remove trash and debris from basin. Clear accumulated sediment from RCP inlet. Remove sediment covering riprap at inlet pipe, and excavate down to realign riprap. Maintain overgrowth of vegetation on basin bottom. BMP was serviced 09/21/2018 by BMP Maintenance Crew.	12/5/2018	Yes	Detention Basin	1		Public
Southwind Apartments	08-0001.1	Well maintained, ok.	6/27/2019	No	Retention Basin	0		Private
St. Mary's Mausoleum	07-0002.1	Detention basin-not very distinguishable, well vegetated, ok.	5/22/2019	No	Detention Basin	0		Private
St. Paul's Church Parking Lot Expansion	07-0038.1	Well stabilized and no large accumulation of sediment in inlets-ok.	12/18/2018	No	Bioretention Basins	0		Private
Stormwater Pump Station 12	S70.1	Hydrodynamic Separator installed as part of a VDOT project (Hampton Blvd underpass) to treat discharge from Stormwater Pump Station #12. The BMP structure was installed in 12/2009 - 1/2010. No record of inspection by VDOT or City of Norfolk prior to today (8/20/2018). Received email from VDOT on 8/16/2018 from VDOT notifying us of the BMP. Measured Rim to Water: 8.6 feet, Rim to Hard Bottom: 17 feet, Rim to Highest Sediment Pile: 14.5 feet, approximately 2.5 feet of sediment accumulated in Hydrodynamic Separator - Ok. Manhole structure upgradient of the Hydrodynamic Separator has a weir, but the manhole is positioned over the bypass side of the weir. Need a 2nd manhole on top of the structure to be able to vactor out the upgradient side of the weir.	8/20/2018	No	Manufactured BMP Systems	0		Public
Street Improvements - Ernies Way	S47.1	Ok.	3/11/2019	No	Bioretention Basins	0		Public
Street Improvements - Ernies Way	S47.2	Ok.	3/11/2019	No	Grassed Swale	0		Public
Strip Mall - JANAF	T379.1	Please remove all trash and debris located within the detention basin.	3/20/2019	Yes	Detention Basin	1	5/30/2019	Private
Suburban Park Subdivision-Redevelopment of Wards Corner	12.0039.2	Please maintain the Filterra units in accordance with the manufacturer's specifications and provide copies of the maintenance records.	8/15/2018	Yes	Manufactured BMP Systems	1	8/29/2018	Private
Suburban Park Subdivision-Redevelopment of Wards Corner	12-0039.1	Ok - vegetation well maintained, inlet pipe is clear	8/15/2018	No	Detention Basin	0		Private
Suburban Park Subdivision-Redevelopment of Wards Corner	12-0039.3	Please maintain the Filterra units in accordance with the manufacturer's specifications and provide copies of the maintenance records.	8/15/2018	Yes	Manufactured BMP Systems	1	8/29/2018	Private
Suburban Park Subdivision-Redevelopment of Wards Corner	12-0039.4	Please maintain the Filterra units in accordance with the manufacturer's specifications and provide copies of the maintenance records.	8/15/2018	Yes	Manufactured BMP Systems	1	8/29/2018	Private
Suburban Park Subdivision-Redevelopment of Wards Corner	12-0039.5	Please maintain the Filterra units in accordance with the manufacturer's specifications and provide copies of the maintenance records.	8/15/2018	Yes	Manufactured BMP Systems	1	8/29/2018	Private
Suburban Park Subdivision-Redevelopment of Wards Corner	12-0039.6	Please maintain the Filterra units in accordance with the manufacturer's specifications and provide copies of the maintenance records.	8/15/2018	Yes	Manufactured BMP Systems	1	8/29/2018	Private
Sunshine Villas	17-0016.1	Final construction inspection for CO approval. As Built dated 10/25/2018, reviewed and approved by Rey Hernandez on 11/1/2018. Analysis of bioretention media completed and report dated 10/25/2018 (copy in file). Final inspection completed today. A metal landscape border was present between the asphalt and stone spillway inlet to the BMP and was blocking flow. Mr. Eric Soenksen removed the metal landscape border. Ok, CO approved on 11/2/2018.	11/2/2018	No	Bioretention Basins	0		Private
Super KMart	T249.1	Please remove trash and debris within and around the retention basin, cut woody vegetation and overgrown vegetation within the retention basin and remove clippings, remove accumulated sediment and debris from inlet and outlet structures, and remove accumulated sediment from the retention basin.	8/27/2018	Yes	Retention Basin	1		Private

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Super KMart	T249.1	Please remove overgrowth and woody vegetation from banks of basin. Please remove trash and debris from basin. Please remove accumulated sediment that is blocking inlet and outlet pipes. Please address and mitigate erosion on banks of basin. Please ensure that rip rap is adequate at inlets.	1/28/2019	Yes	Retention Basin	1	3/13/2019	Private
Tabernacle Church	T537.1	Ok - minor amount of root mat and vegetation within flared-end RCP inlets but does not seem to be inhibiting drainage into the detention basin.	7/16/2018	No	Extended Detention Basin	0		Private
Taco Bell	05-0123.1	Filterra- Please maintain the Filterra Unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	2/26/2019	Yes	Manufactured BMP Systems	1	4/26/2019	Private
Taco Bell	05-0123.2	Please maintain the Filterra Unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	2/26/2019	Yes	Manufactured BMP Systems	1	4/26/2019	Private
Taco Bell	05-0123.3	Please maintain the Filterra Unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	2/26/2019	Yes	Manufactured BMP Systems	1	4/26/2019	Private
Tanner's Landing	05-0097.1	Filterra-Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	5/22/2019	Yes	Manufactured BMP Systems	3	7/9/2019	Private
Tanner's Landing	05-0097.2	Filterra-Please maintain the Filterra units in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	5/22/2019	Yes	Manufactured BMP Systems	2	7/9/2019	Private
Tarrallton Elementary Parking Lot	NPS19.1	Ok- standing water is present, but significant rain event less than 48 hours before.	12/11/2018	No	Grassed Swale	0		School
Teagle and Little	00-4352.1	Ok.	7/20/2018	No	Detention Basin	0		Private
Ted Lansing Corporation	T210.1	Ok.	3/6/2019	No	Detention Basin	0		Private
The Anchorage-South Hampton Roads Support Housing	T158.1	Please remove the dead tree limbs and other debris disposed of within the detention basin.	7/27/2018	Yes	Detention Basin	1	9/5/2018	Private
The Banks at Berkley	14-0072.1	Underground infiltration (R-Tank):Remove sediment and debris accumulation from drop inlets. Observation wells are clear.	11/29/2018	Yes	Infiltration 2	2	2/5/2019	Private
The Banks at Berkley	14-0072.2	Undergound Infiltration (R-Tank): Illicit Discharge located at DI of Infiltration Trench closest to playground (NOV Issued to Roscoe Callway on 11/29/2018, reinspected site on 11/30/2018 and DI had been cleaned.) Remove accumulated sediment and debris from drop inlets.	11/29/2018	Yes	Infiltration 2	1	2/5/2019	Private
The Beauty Parlor	08-0078.1	Please maintain the Flo guard unit in accordance with the manufacturer's specifications, and provide copies of the maintenance records.	3/1/2019	Yes	Manufactured BMP Systems	1	6/3/2019	Private
The Market at Ghent	07-0084.1	Underground Infiltration Trench-ok. Roof drains connected as per plan. Standing water is not present in the observation well.	10/12/2018	No	General Infiltration Practices	0		Private
The Rotunda Lofts parking lot addition	07-0021.1	Ok. No sediment buildup or vegetation present.	8/14/2018	No	General Infiltration Practices	0		Private
The Va Arts Festival	08-0040.1	Please maintain the Filterra unit in accordance with the manufacturer's specifications, and please provide a copy of the maintenance log.	8/7/2018	Yes	Manufactured BMP Systems	1		Private
The Va Arts Festival	08-0040.2	Please maintain the Stormtrap in accordance with the manufacturer's specification, and please provide a copy of the maintenance log.	8/7/2018	Yes	Manufactured BMP Systems	1		Private
Third Police Precinct Parking Lot Addition	S43.1	Detention basin-ok. Per prior inspection reports, the basin was dredged 5/2017 and there are possible future plans to turn site into a park. The 3rd Police Precinct building and parking lot was previously demolished.	5/6/2019	No	Extended Detention Basin	0		Public
THR Park	04-0036.1	Roof Downspout tied into U/G Infiltration Trench-ok.	2/26/2019	No	General Infiltration Practices	0		Private

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
THR Park	04-0036.2	Filterra-Please maintain the Filterra unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record. Please remove excessive leaf debris from inlet and drop grate.	2/26/2019	Yes	Manufactured BMP Systems	2	5/10/2019	Private
Thrifty Car Rental	T142.1	Detention basin is overgrown. Met with manager on site and discussed maintenance that is needed.	11/8/2018	Yes	Detention Basin	1	1/3/2019	Private
Tidewater Gymnastics Parking Lot	11-0056	Please provide additional stabilization to denuded areas in the western infiltration basin.	3/25/2019	Yes	General Infiltration Practices	2	4/2/2019	Private
Tidewater Park Elementary	NPS08.1	Remove accumulated sediment from curb-cut inlets in parking lot to help alleviate standing water in the parking lot. Remove trash along swale from parking lot and in detention basin. Detention basin is showing signs of erosion on the basin bottom. Re-seed basin bottom to re-establish vegetation on denuded areas.	8/16/2018	Yes	Detention Basin	2	1/7/2019	School
Titustown Recreation Center	S37.1	Inspection due to citizen complaint. Ok-recently maintained.	10/4/2018	No	Extended Detention Basin	0		Public
Todd Marine Electrical Supply	T660.1	Remove accumulated sediment from curb cuts in parking lot.	3/11/2019	Yes	Detention Basin	1	5/10/2019	Private
Todd Marine Electrical Supply	T660.2	Ok.	3/11/2019	Yes	Detention Basin	1	5/10/2019	Private
Todd Marine Electrical Supply	T660.3	Detention Basin in back of property is completely overgrown. Remove overgrowth vegetation.	3/11/2019	Yes	Detention Basin	1	5/10/2019	Private
Townhomes	04-0132.1	Ok. Front Infiltration Trench.	7/24/2018	No	General Infiltration Practices	0		Private
Townhomes	04-0132.2	Rear infiltration trench. Please remove accumulated sediment that is causing ponding.	7/24/2018	Yes	General Infiltration Practices	1	10/4/2018	Private
Townhomes	06-0129.1	Ok.	9/27/2018	No	Detention Basin	0		Private
Townhomes	06-0129.2	ok.	9/27/2018	No	Detention Basin	0		Private
Townhouses	03-0193.1	Ok.	4/16/2019	No	General Infiltration Practices	0		Private
Townhouses	06-0003.1	Ok.	7/20/2018	No	Extended Detention Basin	0		Private
Townhouses	T291.1	Roof downspouts draining into U/G infiltration trenches - Ok, downspouts connected	8/13/2018	No	General Infiltration Practices	0		Private
Trail of the Tiger Exhibit	S52.1	Please maintain the Stormfilter in accordance with the manufacturer's specifications, and provide a copy of the maintenance record. Remove accumulated sediment and debris from within inlet.	6/10/2019	Yes	Manufactured BMP Systems	1		Public
Tubbs Auto Parts	03-0081.1	Please maintain the Oil-Water Separator in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	2/8/2019	Yes	Manufactured BMP Systems	1		Private
Uncle Bob's Self Storage Expansion	11-0082	Filterra-well maintained-ok	5/13/2019	No	Manufactured BMP Systems	0		Private
Uncle Bob's Self Storage Expansion	11-0082.1	Filterra-well maintained-ok	5/13/2019	No	Manufactured BMP Systems	0		Private
Union Chapel A.M.E. Church	T38.1	Please remove accumulated sediment from curb-cut inlets in parking lot. Please remove the vegetation and debris from the stone of BMP.	5/7/2019	Yes	General Infiltration Practices	2	6/18/2019	Private
Union Chapel A.M.E. Church	T38.2	Please remove accumulated sediment from curb-cut inlets in parking lot. Please remove the vegetation and debris from the stone of BMP.	5/7/2019	Yes	General Infiltration Practices	2	6/18/2019	Private
Union Chapel A.M.E. Church	T38.3	Please remove accumulated sediment from curb-cut inlets in parking lot. Please remove the vegetation and debris from the stone of BMP.	5/7/2019	Yes	General Infiltration Practices	2	6/18/2019	Private
University Pizza Parking	02-0265.1	Ok. Grass swale is not very distinguishable, and no check dam was present. Site is dry and seems to be draining well.	7/17/2018	No	Grassed Swale	0		Private
USAA Recreation Area	T36.1	Ok.	7/25/2018	No	Extended Detention Basin	0		Private
USAA Recreation Area	T36.2	Ok.	7/25/2018	No	General Infiltration Practices	0		Private

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Valley Self Storage Additional Buildings	17-0012.1	U/G Infiltration Trench in Southern Drive Aisle, Inspected excavation and construction of infiltration BMPs from 11/29/2017 - 12/20/2017, As built dated 10/9/2018 reviewed and approved by Rey Hernandez on 10/29/2018, email sent to contractor on 10/29/2018 for remaining issues at site (need to address unstable slope by a yard basin and unparged connections in a few storm structures), issues corrected as observed during 11/26/2018 inspection. Approve release of CO.	11/26/2018	No	Infiltration 1	0		Private
Valley Self Storage Additional Buildings	17-0012.2	U/G Infiltration Trench in Northern Drive Aisle, Inspected excavation and construction of infiltration BMPs from 11/29/2017 - 12/20/2017, As built dated 10/9/2018 reviewed and approved by Rey Hernandez on 10/29/2018, email sent to contractor on 10/29/2018 for remaining issues at site (need to address unstable slope by a yard basin and unparged connections in a few storm structures), issues corrected as observed during 11/26/2018 inspection. Approve release of CO.	11/26/2018	No	Infiltration 1	0		Private
Verizon Virginia, Inc.	02-0283.1	Remove accumulated debris from basins.	7/12/2018	Yes	General Infiltration Practices	1	9/17/2018	Private
Vinings Landing Marine Center	04-0026.1	Please maintain 3 Stormceptor units (2 model #STC-1200 AND 1 MODEL #STC-900) in accordance with the manufacturer's specifications, and provide copies of the maintenance records. Stormceptor BMP located in the front of boat storage shows signs of illicit discharge of oil (addressed with General Manager Greg Holochwost of Vinings Landing Marine Center).	1/14/2019	Yes	Manufactured BMP Systems	1	2/13/2019	Private
Virginia Zoo Exhibit Building Renovation	17-0019.1	Bioretention (Lvl 1) behind renovated reptile exhibit - 1st As Built dated 6/19/2018, reviewed by Rey Hernandez with some issues and site inspection completed on 8/2/2018, email sent to contractor, Conrad Bros., on 8/2/2018 with discrepancies noted on 1st As Built and 8/2/2018 site inspection (printed copy of email in file). 2nd As Built dated 1/24/2019 and site inspection completed on 2/4/2019. Written responses by Rick Hoggard of Conrad Bros. to 8/2/2018 emailed discrepancies also provided. The bioretention looked good and was stabilized with turf grass, embankments and bottom. The grass paver path immediately upgradient of the bioretention was torn up and muddy from equipment driving on the grass paver path. Rick Hoggard with Conrad Bros. said he will put down waddles between the grass paver path and bioretention while they are working so the muddy soils do not wash down into the bioretention basin. - Ok.	2/4/2019	No	Bioretention 1	0		Public
VIT Office Building	06-0112.1	Remove trash near the retention pond outfall (labeled B1 on approved site plans). Remove/clear overgrowth and vegetation in front of outfall.	7/26/2018	Yes	Retention Basin	1	10/4/2018	Private
Vulcan Construction Materials, L.P.	06-0121.1	Detention basin in Northeast corner of facility - Ok, holding water and has a minor amount of invasive vegetation growing along the edge of the water	7/16/2018	No	Detention Basin	0		Private
Vulcan Construction Materials, L.P.	06-0121.2	Detention basin in Southeast corner of facility. Overgrown with invasive vegetation. Needs to be mucked out to remove dead vegetative material from the invasive vegetation.	7/16/2018	Yes	Detention Basin	1		Private
Vulcan Construction Materials, L.P.	06-0121.3	Please dredge out accumulated sediment within the eastern retention basin and the settlement box for the vehicle wheel wash drain.	7/16/2018	Yes	Retention Basin	1		Private
Walmart @ Tidewater	05-0074.1	Well maintained-ok.	6/18/2019	No	Retention Basin	0		Private
Walmart @ Tidewater	05-0074.2	Please maintain the Vortechnics unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	6/18/2019	Yes	Manufactured BMP Systems	1		Private

SWMF Inspections/Reinspections List - FY2019

Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Walmart @ Tidewater	05-0074.3	Please maintain the Vortechnics unit in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	6/18/2019	Yes	Manufactured BMP Systems	1		Private
Walter H. Taylor Elementary School	NPS07.1	Weep holes in the curb need to be cleaned out. Remove accumulated sediment surrounding weep holes and curb.	7/23/2018	Yes	General Infiltration Practices	1	10/10/2018	School
Walter H. Taylor Elementary School	NPS07.2	Weep holes in the curb need to be cleaned out. Remove accumulated sediment surrounding weep holes and curb.	7/23/2018	Yes	General Infiltration Practices	1	10/10/2018	School
Walter H. Taylor Elementary School	NPS07.3	Weep holes in the curb need to be cleaned out. Remove accumulated sediment surrounding weep holes and curb.	7/23/2018	Yes	General Infiltration Practices	1	10/10/2018	School
Warehouse / Office Building	04-0152.1	Ok.	9/26/2018	No	General Infiltration Practices	0		Private
Warehouse extension	05-0016.1	Detention basin-remove overgrown vegetation from basin bottom.	5/21/2019	Yes	Detention Basin	1	8/27/2019	Private
Warehouses	05-0180.1	Ok - Extended Detention Basin cleaned out since last inspection on 3/20/2018 although there is a trailer parked in the basin today. Some standing water in the basin, but we had a lot of rain up to the day before this inspection (2/24/2019). There was some stone (#57) added above the top of the bank of the detention basin near the outlet control structure but is away from the detention basin.	2/25/2019	No	Extended Detention Basin	0		Private
Wash Land	06-0020.1	Ok-some leaf litter.	11/14/2018	No	Extended Detention Basin	0		Private
Water's Edge	05-0113.1	Please address areas of erosion that are present in the basin.	2/19/2019	Yes	Bioretention Basins	1		Private
Water's Edge	05-0113.2	Please address areas of erosion that are present in the basin.	2/19/2019	Yes	Bioretention Basins	1		Private
Water's Edge	05-0113.3	Please address areas of erosion that are present in the basin.	2/19/2019	Yes	Bioretention Basins	1		Private
WAWA	12-0025.1	Remove trash from basin and inlets. Cut back vegetation and remove accumulated sediment from inlets.	10/16/2018	Yes	Detention Basin	3	1/23/2019	Private
WAWA	12-0025.2	Filterra Unit. Remove accumulated sediment/leaf debris from inlet.	10/16/2018	Yes	Manufactured BMP Systems	3	1/23/2019	Private
WAWA	12-0025.3	2 Focal Points with underground Bioinfiltration Systems in parking lot. Remove trash and debris from BMP. Remove accumulated sediment from inlet/outlets. Please maintain the Focal Point Bioinfiltration Systems in accordance with the manufacturer's specifications, and provide a copy of the maintenance records.	10/16/2018	Yes	Manufactured BMP Systems	3	1/23/2019	Private
WAWA	12-0025.4	Oil Water Separator- (Xerxes-4' diameter, 1,000 gallon capacity). Please maintain the oil-water-separator in accordance with the manufacturer's specifications, and provide a copy of the maintenance record.	10/16/2018	Yes	Manufactured BMP Systems	3	1/23/2019	Private
Wawa Food Market	05-0046.1	Please maintain the Filterra units in accordance with the manufacturer's specifications and provide copies of the maintenance records.	7/10/2018	No	Manufactured BMP Systems	0		Private
Wawa Food Market	05-0046.2	Filterra unit - Units seem to be maintained regularly. Have a call in with Matthew Winters of Wawa Environmental Dept. to request copies of most recent maintenance records.	7/10/2018	No	Manufactured BMP Systems	0		Private
Wawa Food Market	05-0046.3	Filterra unit - Units seem to be maintained regularly. Have a call in with Matthew Winters of Wawa Environmental Dept. to request copies of most recent maintenance records.	7/10/2018	No	Manufactured BMP Systems	0		Private
Westover Commons	03-110.1	U/G Infiltration System (Stormwater pipes between DI structures are perforated) - Ok. DI Structure along Redgate Ave (tie in structure within ROW) is full of sediment and debris. Place work order to clean out the DI within the Redgate Ave. ROW.	7/13/2018	No	General Infiltration Practices	0		Private

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Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
WHRO building addition	00-4523.1	Leaf litter and debris needs to be removed and adequately disposed of. Spoke with Vic Mitchell and addressed issues. BMP is not holding water.	7/19/2018	Yes	General Infiltration Practices	1		Private
WHRO building addition	00-4523.1	Ok.	7/25/2018	No	General Infiltration Practices	0		Private
Widgeon Point	06-0110.1	Please maintain the Filterra unit in accordance with the manufacturer's specifications, and please provide a copy of the maintenance record.	8/9/2018	Yes	Manufactured BMP Systems	1		Private
Widgeon Point	06-0110.2	Please maintain the Filterra unit in accordance with the manufacturer's specifications, and please provide a copy of the maintenance record.	8/9/2018	Yes	Manufactured BMP Systems	1		Private
Widgeon Point	06-0110.3	Please maintain the Filterra unit in accordance with the manufacturer's specifications, and please provide a copy of the maintenance record.	8/9/2018	Yes	Manufactured BMP Systems	1		Private
Widgeon Point	06-0110.4	Please maintain the Filterra unit in accordance with the manufacturer's specifications, and please provide a copy of the maintenance record.	8/9/2018	Yes	Manufactured BMP Systems	1		Private
Willard Elementary School Parking Lot	NPS13.1	Remove accumulated sediment from curb-cut inlets in the parking lot.	8/16/2018	Yes	General Infiltration Practices	1		School
Woodard Office Building	01-0192.1	Some sediment present, less than 1/2 inch.	9/21/2018	No	General Infiltration Practices	0		Private
Woodard Office Building	01-0192.2	Ok.	9/21/2018	No	General Infiltration Practices	0		Private
Woodfin Oil	00-4244.1	Please maintain the manufactured BMP (Stormceptor) per the manufacturer's specifications, and provide maintenance records.	1/17/2019	Yes	Manufactured BMP Systems	1		Private
Woodlawn Memorial Gardens	15-0038.1	5 Bioretentions constructed along perimeter of new burial plots that was formerly a wooded area (land converted from wooded open space to managed turf). Construction of bioretentions inspected from 8/21/2017 - 9/13/2017. 3rd revision of As Built received on 9/25/2018, reviewed and approved by Rey Hernandez on 10/10/2018. Planting plan for bioretentions completed in 10/2018 and final inspection completed on 10/29/2018 - Ok	10/29/2018	No	Bioretention 1	0		Private
Woodlawn Memorial Gardens	15-0038.2	5 Bioretentions constructed along perimeter of new burial plots that was formerly a wooded area (land converted from wooded open space to managed turf). Construction of bioretentions inspected from 8/21/2017 - 9/13/2017. 3rd revision of As Built received on 9/25/2018, reviewed and approved by Rey Hernandez on 10/10/2018. Planting plan for bioretentions completed in 10/2018 and final inspection completed on 10/29/2018 - Ok	10/29/2018	No	Bioretention 1	0		Private
Woodlawn Memorial Gardens	15-0038.3	5 Bioretentions constructed along perimeter of new burial plots that was formerly a wooded area (land converted from wooded open space to managed turf). Construction of bioretentions inspected from 8/21/2017 - 9/13/2017. 3rd revision of As Built received on 9/25/2018, reviewed and approved by Rey Hernandez on 10/10/2018. Planting plan for bioretentions completed in 10/2018 and final inspection completed on 10/29/2018 - Ok	10/29/2018	No	Bioretention 1	0		Private

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Site	SWMF ID	Inspection Notes	Inspection Date	Follow-up Action Required	DCR Classification	Number Of Reinspections	Last Reinspection Date	Ownership Type
Woodlawn Memorial Gardens	15-0038.4	5 Bioretentions constructed along perimeter of new burial plots that was formerly a wooded area (land converted from wooded open space to managed turf). Construction of bioretentions inspected from 8/21/2017 - 9/13/2017. 3rd revision of As Built received on 9/25/2018, reviewed and approved by Rey Hernandez on 10/10/2018. Planting plan for bioretentions completed in 10/2018 and final inspection completed on 10/29/2018 - Ok	10/29/2018	No	Bioretention 1	0		Private
Woodlawn Memorial Gardens	15-0038.5	5 Bioretentions constructed along perimeter of new burial plots that was formerly a wooded area (land converted from wooded open space to managed turf). Construction of bioretentions inspected from 8/21/2017 - 9/13/2017. 3rd revision of As Built received on 9/25/2018, reviewed and approved by Rey Hernandez on 10/10/2018. Planting plan for bioretentions completed in 10/2018 and final inspection completed on 10/29/2018 - Ok	10/29/2018	No	Bioretention 1	0		Private
Woodlawn Memorial Gardens Funeral Home	T409.1	Ok-well maintained.	3/20/2019	No	Detention Basin	0		Private
Woodlawn Memorial Gardens Funeral Home	T409.2	Ok-well maintained.	3/20/2019	No	Detention Basin	0		Private
WVEC Parking Lot improvements	01-0055.1	Ok. BMP seems to be function well, observation wells dry and no sediment accumulation.	8/7/2018	No	General Infiltration Practices	0		Private
YMCA Family Center on Granby Street	12-0024.1	Filterra-Please maintain the Filterra units in accordance with the manufacturer's recommendations, and please provide a copy of the maintenance records.	5/13/2019	Yes	Manufactured BMP Systems	1	5/30/2019	Private
YMCA Family Center on Granby Street	12-0024.2	Filterra-Please maintain the Filterra units in accordance with the manufacturer's recommendations, and please provide a copy of the maintenance records.	5/13/2019	Yes	Manufactured BMP Systems	1	5/30/2019	Private
Zap Tax	T257.1	Ok- noticeable grass growth in stone, does not seem to be effecting BMP-ok.	4/9/2019	No	General Infiltration Practices	0		Private

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	-76.2842	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 Elzabeth 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

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Shell	6100	Tidewater Drive	0.94	0.71	00-4243.1	Private	Detention Basin	0.94	-76.2571	36.89177601	Yes	12/18/2002	Active	JL56
Gospel Church of Deliverance	711	Comstock Street	1.45	0.53	91067.003.	Private	Detention Basin	1.451	-76.2371	36.84291794	Yes	01/01/1995	Active	JL54
Division of Streets & Bridges	2205	McKann Avenue	3.52	3.04	S28.1	Public	General Infiltration Practices	3.74	-76.2542	36.8601263	Yes	01/01/1993	Active	JL56
Village Foods - Azalea Garden & Vill	1187	AZALEA GARDEN ROAD	5.34	4.4	91067.022.	Private	Retention Basin	5.34	-76.2347	36.85843	No	12/15/1993	Active	JL54
Beach Maintenance Blvd, NRHA	700	E Ocean View Avenue	1.31	0.11	S161	Public	General Infiltration Practices	1.31	-76.2443	36.95030464	No	01/01/1992	Active	CB26
Parkdale Day School	7419	Parkdale Drive	0.6	0.1	91067.032.	Private	General Infiltration Practices	0.46	-76.2665	36.91132442	Yes	06/29/1992	Active	JL56
Bay Point Club House	9511	BAY FRONT DRIVE	0.89	0.69	92067.013.	Private	General Infiltration Practices	0.89	-76.1817	36.92442682	Yes	12/17/1992	Active	CB26
Virginia Wesleyan College - Physical	1584	Wesleyan Drive	6.83	0.29	92067.053.	Private	Extended Detention Basin	6.83	-76.1921	36.87064762	Yes	02/25/1991	Active	JL54
Raytheon	2555	Ellsmere Avenue	1.57	1.12	92067.076.	Private	Detention Basin	1.177	-76.2206	36.87676383	Yes	04/15/1994	Active	JL56
Norview Middle School	6325	Sewells Point Road	16	4.65	NPS01.1	School	Extended Detention Basin	10.04	-76.2431	36.89442308	Yes	08/31/1993	Active	JL56
Azalea Super Service	5828	Curlew Drive	0	0	92067.087.	Private	General Infiltration Practices	0	-76.2055	36.84163163	No	12/16/1992	Active	JL54
Woodfin Oil	5139	E Virginia Beach Boulevard	0.9	0.62	00-4244.1	Private	Manufactured BMP Systems	1.65	-76.2257	36.85615388	No	01/01/2003	Active	JL54
Checker Taxi Parking Lot	6257	Sewells Point Road	0.81	0.56	00-4278.1	Private	General Infiltration Practices	0.806	-76.2398	36.89348996	Yes	01/01/2005	Active	CB26
Matrix Technical Solutions, Inc.	2446	Florida Avenue	0.25	0.17	00-4283.1	Private	General Infiltration Practices	0.248	-76.2464	36.86739073	Yes	09/21/2001	Active	JL56
Mt. Gilead Baptist Church	1057	Kennedy Street	0.402	0.291	00-4298.1	Private	General Infiltration Practices	0.201	-76.2426	36.90640026	Yes	09/11/2001	Active	CB26
B'nai Israel Congregation	420	Spotswood Avenue	1.04	0.63	00-4301.1	Private	General Infiltration Practices	0.185	-76.292	36.86662853	No	10/30/2001	Active	JL56
Tidewater Park Elementary	1045	E Brambleton Avenue	8.89	2.59	NPS08.1	School	Detention Basin	3.2	-76.2792	36.849935	Yes	01/01/2002	Active	JL54
22nd St. Parking Lot	738	W 22nd Street	0.93	0.74	00-4320.1	Private	General Infiltration Practices	0.93	-76.2935	36.87076778	No	09/19/2001	Active	JL56
Shorewood Cove Apartments	293/295	Corporate Boulevard	5.4	2.58	00-4329.1	Private	General Infiltration Practices	0.61	-76.2118	36.83561673	Yes	01/17/2002	Active	JL54
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.1	Private	General Infiltration Practices	0.144	-76.3038	36.879969	Yes	08/28/2003	Active	JL56
Norfolk Yacht and Country Club	7001	Hampton Boulevard	0.92	0.57	00-4333.1	Private	Manufactured BMP Systems	0.644	-76.3068	36.90833264	No	09/25/2001	Active	JL56
The Kempsville Center	860	Kempsville Road	6.2	2.31	00-4341.1	Private	Detention Basin	0.85	-76.1892	36.852895	Yes	11/04/2000	Active	JL54
Norview Landings	1232	Norview Avenue	1.284	0.7	00-4343.1	Private	Detention Basin	1.284	-76.2363	36.89060474	Yes	07/03/2001	Active	JL56
Teagle and Little	1048	W 27th Street	0.2	0.13	00-4352.1	Private	Detention Basin	0.203	-76.2996	36.87658682	Yes	02/05/2001	Active	JL56
Bayview Estates Subdivision	9511	Jenny Court	4.01	0	00-4449.1	Private	Detention Basin	2.52	-76.2359	36.94080916	No	11/27/2002	Active	CB26
Titustown Recreation Center	7545	Diven Street	5.36	0	S37.1	Public	Extended Detention Basin	15.11	-76.2952	36.91463562	N/A	06/13/2005	Active	JL56
Infinitee Day School	722	Miller Street	0.34	0.15	00-4467.1	Private	General Infiltration Practices	0.34	-76.2544	36.91157105	Yes	09/19/2002	Active	JL56
Herald of His Comming Church	727	E 27th Street	0.972	0.95	00-4505.1	Private	General Infiltration Practices	0.272	-76.2788	36.87035948	Yes	03/07/2006	Active	JL56
WHRO building addition	5200	Hampton Boulevard	0	0	00-4523.1	Private	General Infiltration Practices	0	-76.3017	36.88959972	No	09/08/2000	Active	JL56
Mt. Gilead Chruch Addition	1057	Kennedy Street	1.23	1	00-4540.1	Private	General Infiltration Practices	1.23	-76.2431	36.90529356	Yes	06/18/2004	Active	JL54
Iron Mountain Management Inc.	4555	Progress Road	5.45	0	01-0003.1	Private	Detention Basin	5.45	-76.2322	36.86376805	No	04/22/2002	Active	JL54
Quarles Petroleum, Inc.	4545	PROGRESS ROAD	1.35	0	01-0009.1	Private	Extended Detention Basin	0.945	-76.2329	36.86356419	Yes	07/13/2001	Active	JL54
Jack's Towing	1114	Harmony Road	0	0	01-0010.1	Private	Grassed Swale	0	-76.2176	36.86011772	Yes	05/06/2008	Active	JL54
Mallory Country Club	907	WEYANOKE STREET	0	0	01-0019.1	Private	General Infiltration Practices	0.212	-76.3104	36.87215392	Yes	03/28/2002	Active	JL56
Bay Oaks Place Extension	3900	KEGAGIE DRIVE	1.51	0.72	01-0026.1	Public	General Infiltration Practices	1.51	-76.1947	36.93124947	No	01/01/2005	Active	CB26
Ronald McDonald House	404	Colley Avenue	0.4	0.23	01-0031.1	Private	Bioretention Basins	0.4	-76.3006	36.85920135	Yes	11/20/2001	Active	JL56
Marshall Manor Senior Living Apart	2500	E Princess Anne Road	3.65	1.79	01-0053.1	Private	Retention Basin	17.25	-76.2584	36.85867771	Yes	03/23/2006	Active	CB26
WVEC Parking Lot improvements	716	FRONT STREET	0	0	01-0055.1	Private	General Infiltration Practices	0	-76.304	36.85614552	Yes	05/14/2001	Active	JL56
First Baptist Church of Bolling Brool	120	Filbert Street	0	0	01-0057.1	Private	General Infiltration Practices	0.056	-76.2758	36.90507908	No	01/01/2002	Active	JL56
Duplex - 3 Story	238	W OCEAN AVENUE	0	0	01-0078.1	Private	General Infiltration Practices	0.037	-76.2544	36.95727296	No	06/13/2005	Active	CB26
Lamberts Point Pond	1506	38th Street	102.3	52.28	S38.1	Public	Retention Basin	79.5	-76.3114	36.87982657	Yes	01/01/2002	Active	JL57
Piedmont Hawthorne Aviation Hang	6101	Burton Station Road	0	0	01-0111.1	Private	General Infiltration Practices	2.19	-76.2017	36.88398718	No	06/13/2005	Active	CB26
Fairlawn Elementary School Parking	1132	WADE STREET	3.9	2.4	NPS09.1	School	Grassed Swale	3.4	-76.1945	36.85802729	Yes	01/01/2002	Active	JL54
Duplex	1271	W Ocean View Avenue	0	0	01-0165.1	Private	General Infiltration Practices	0	-76.2871	36.96690728	Yes	06/13/2005	Active	CB26
AAAA Self Storage	6562	TIDEWATER DRIVE	4.89	3.415	01-0166.1	Private	Detention Basin	4.502	-76.2545	36.89908205	No	04/09/2002	Active	JL56
Duplex	479	W OCEAN VIEW AVENUE	0.58	0.17	01-0173.1	Private	General Infiltration Practices	0.042	-76.2633	36.960605	Yes	03/19/2004	Active	CB26
EVMS Parking Lot	801	FAIRFAX AVENUE	3.77	2.01	01-0176.1	Private	General Infiltration Practices	0.466	-76.3029	36.86008553	Yes	06/13/2005	Active	JL56
Spring Hill Suites Marriott	6350	N Newtown Road	5.32	5	01-0188.1	Private	Extended Detention Basin	5.32	-76.1875	36.844989	Yes	05/05/2004	Active	JL54
Woodard Office Building	2511	WALMER AVENUE	1.01	0.707	01-0192.1	Private	General Infiltration Practices	0.503	-76.2246	36.8767177	Yes	05/15/2002	Active	CB26
HRT Park and Ride	5524	Curlew Drive	1.97	1.1	01-0197.1	Private	Retention Basin	2.6	-76.2149	36.84178832	Yes	08/01/2011	Active	JL54
Sherwood Forest Elementary	3035	Sherwood Forest Lane	0	0	NPS10.1	School	General Infiltration Practices	0.219	-76.2387	36.87609762	Yes	04/28/2005	Active	JL54
St. Mary's Home for Disabled Childr	6171	Kempsville Circle	8.19	4.71	01-0203.1	Private	Retention Basin	1.86	-76.1951	36.8500929	Yes	09/22/2004	Active	JL54

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Grandy Village, Phase 1	3150	KIMBALL TERRACE	33.84	7.03	01-0222.1	Public	Manufactured BMP Systems	37.26	-76.2482	36.84320563	No	01/01/2002	Active	JL54
Apartments	200	Maple Avenue	0.327	0.226	01-0223.1	Private	General Infiltration Practices	0.54	-76.26	36.94985106	Yes	04/22/2003	Active	JL57
Walgreens	8609	TIDEWATER DRIVE	1.75	1.51	01-0224.1	Private	Manufactured BMP Systems	1.75	-76.254	36.933093	Yes	11/21/2003	Active	JL57
Fuel Express at Farm Fresh	1201	N MILITARY HIGHWAY	1.44	1.31	02-0001.1	Private	Bioretention Basins	1.437	-76.2096	36.86366719	No	04/26/2002	Active	JL54
Saint Pauls COGIC	1615	Isaac Street	1.08	0	02-0007.1	Private	General Infiltration Practices	0.059	-76.2651	36.82620488	Yes	12/10/2007	Active	JL54
Norview High School	1070	Middleton Place	30.11	14.06137	NPS11.1	School	Retention Basin	30.11	-76.2423	36.90252246	Yes	11/01/2005	Active	CB26
Bay Disposal	2424	Springfield Avenue	102.2	102.2	02-0012.1	Private	Extended Detention Basin	9.05	-76.2499	36.83589467	No	01/01/2002	Active	JL54
Sentara Medical Group	835	Glenrock Road	2.31	1.8	02-0048.1	Private	Detention Basin	2.31	-76.2027	36.851037	Yes	08/15/2008	Active	JL54
Riverpark Condominiums	239	DUKE STREET	1.32	1.12	02-0075	Private	General Infiltration Practices	1.32	-76.2939	36.84950051	Yes	01/20/2004	Active	JL54
Seaward Marine Services	5409	BEAMON ROAD	2.74	1.95	02-0101.1	Private	Detention Basin	2.74	-76.219	36.88244831	Yes	02/04/2009	Active	JL56
ABC Supply Company	3373	Progress Road	2.5	1.74	02-0103.1	Private	Detention Basin	2.503	-76.2429	36.86013969	Yes	06/11/2002	Active	JL54
Affordable Towing and Recovery	2424	CROMWELL ROAD	0.84	0.67	02-0117.1	Private	Detention Basin	0.8	-76.249	36.86489895	Yes	03/25/2003	Active	JL56
Conley Warehouse and Office	3404	WESTMINSTER AVENUE	0.224	0.137	02-0121.1	Private	Detention Basin	0.101	-76.245	36.84384684	Yes	06/22/2006	Active	JL54
Senior Housing Development	6311	GRANBY STREET	10.88	6.89	02-0158.1	Private	Retention Basin	2.35	-76.2812	36.90015451	Yes	02/15/2005	Active	JL56
Office Warehouse Complex	5724	Sellger Drive	0.35	0.3311	02-0170.1	Private	Bioretention Basins	0.356	-76.2089	36.83881958	Yes	12/03/2003	Active	JL54
Walmart @ Military Hwy	1170	N MILITARY HIGHWAY	0	0	02-0174.1	Private	Manufactured BMP Systems	6.91	-76.2061	36.86230021	Yes	08/03/2005	Active	JL54
Picadily Mews	6370	TRAFALGAR COURT	2	1.33	02-0193.1	Private	Detention Basin	1.9	-76.2332	36.89696066	Yes	08/10/2005	Active	CB26
Faith Deliverance Christian Center	1010	E 26TH STREET	2.49	1.49	02-0244.1	Private	Detention Basin	0.78	-76.274	36.87301454	Yes	03/24/2005	Active	JL56
University Pizza Parking	5008	COLLEY AVENUE	0.29	0	02-0265.1	Private	Grassed Swale	0.145	-76.2946	36.88920318	Yes	06/13/2005	Active	JL56
Harbor Walk	8261	NORTH VIEW BOULEVARD	17.98	12.99	02-0275.1	Private	General Infiltration Practices	7.58	-76.1941	36.92385002	Yes	06/15/2004	Active	CB26
Verizon Virginia, Inc.	856	W 40TH STREET	0.115	0.022	02-0283.1	Private	General Infiltration Practices	0.115	-76.2974	36.88162721	Yes	01/01/2004	Active	JL56
Wash Land	6049	E Virginia Beach Boulevard	0.74	0.59	02-0305.1	Private	Extended Detention Basin	0.74	-76.1975	36.85506577	Yes	10/08/2003	Active	JL54
Duplex	3634	E OCEAN VIEW AVENUE	0.36	0.22	03-0006.1	Private	General Infiltration Practices	0.36	-76.1976	36.93151791	No	02/03/2004	Active	CB26
Green Gifford / Wells Fargo Bank c	1200	N Military Highway	6.88	4.86	03-0015.1	Private	Retention Basin	6.88	-76.2106	36.86781948	Yes	10/13/2003	Active	JL54
Duplex Complex William Henry Tayl	8127	REDMON COURT	1.39	0.62	03-0026.1	Private	General Infiltration Practices	0.075	-76.1998	36.922757	Yes	06/13/2005	Active	CB26
Vanguard Warehouse	1172	AZALEA GARDEN ROAD	5.47	2.42	03-0028.1	Private	Detention Basin	0.937	-76.2319	36.86121863	Yes	09/02/2003	Active	JL54
RSG Roofing Supply	1140	AZALEA GARDEN ROAD	6.27	3.31	03-0033.1	Private	Extended Detention Basin	2.44	-76.2309	36.85883438	Yes	01/01/2004	Active	JL54
Christ the King Catholic School	3401	Tidewater Drive	0.82	0.5	03-0034.1	Private	General Infiltration Practices	0.09	-76.2623	36.88138633	Yes	04/21/2006	Active	JL56
Arby's Restaurant	460	N MILITARY HIGHWAY	0.77	0.64	03-0041.1	Private	Bioretention Basins	0.77	-76.2093	36.84802811	Yes	10/13/2003	Active	JL54
Norfolk Collegiate Middle School	122	Granby Park	0.79	0.62	03-0042.1	Private	General Infiltration Practices	0.34	-76.2728	36.91040653	Yes	01/01/2004	Active	JL56
Rally's	2300	Azalea Garden Road	0.36	0.28	03-0047.1	Private	General Infiltration Practices	0.3628	-76.232	36.87063475	Yes	11/17/2003	Active	JL54
Gethsemane Community Fellowship	1317	E BRAMBLETON AVENUE	0.81	0.56	S-03-0065.	Private	General Infiltration Practices	0.5	-76.2727	36.84693559	Yes	09/15/2005	Active	JL54
Tubbs Auto Parts	2215	E INDIAN RIVER ROAD	7.04	0.67	03-0081.1	Private	Manufactured BMP Systems	0.84	-76.2547	36.83025574	No	08/03/2005	Active	JL53
Pepsi Bottling Group	1194	PINERIDGE ROAD	3.01	1.93	03-0087.1	Private	Retention Basin	1.17	-76.2268	36.86327972	No	01/01/2005	Active	JL54
Blair Middle School	730	Spotswood Avenue	9.93	4.23	NPS12.1	School	General Infiltration Practices	3.2	-76.2966	36.86875505	Yes	08/20/2008	Active	JL56
Duplex	605	Bancker Road	0.165	0.078	03-0096.1	Private	General Infiltration Practices	0.165	-76.2549	36.9179531	Yes	04/28/2004	Active	CB26
Duplex 9610-9614	9610	16TH BAY STREET	0.3	0.084	03-0105.1	Private	Grassed Swale	0.3	-76.1988	36.93008828	Yes	01/20/2004	Active	CB26
Pretty Lake Terrace - Infrastructure	9504	7TH BAY STREET	2.45	1.03	03-0129.1	Private	Grassed Swale	2.45	-76.2101	36.9302276	No	02/01/2005	Active	CB26
Condos	8550	TIDEWATER DRIVE	1.26	0.71	03-0148.1	Private	General Infiltration Practices	0.2	-76.2532	36.93115381	No	11/29/2005	Active	JL57
Lots 21 & 22	3617	BAYSIDE AVENUE	0.17	0.13	03-0162.1	Private	General Infiltration Practices	0.112	-76.1974	36.931808	Yes	01/24/2007	Active	CB26
Ghent Arms	802	MANTEO STREET	0.55	0.48	03-0169.1	Private	General Infiltration Practices	0.27	-76.2984	36.86215429	Yes	12/06/2004	Active	JL56
Townhouses	9700	12TH VIEW STREET	0.24	0.13	03-0193.1	Private	General Infiltration Practices	0.118	-76.2844	36.9674066	No	10/13/2004	Active	JL57
Duplex	2510	E OCEAN VIEW AVENUE	0.14	0.082	03-0211.1	Private	General Infiltration Practices	0.114	-76.2108	36.93471514	No	09/13/2004	Active	CB26
Duplex	1538	LEA VIEW AVENUE	0.22	0.11	03-0272.1	Private	General Infiltration Practices	0.061	-76.2956	36.968447	No	04/08/2005	Active	JL57
Apartment / Garage	200	Maple Avenue	0.54	0.38	03-0273.1	Private	General Infiltration Practices	0.54	-76.2601	36.950125	Yes	08/25/2004	Active	JL57
Bolling Square Apartments Phase I	919	BOLLING AVENUE	7.22	4.94	03-0280.1	Private	Bioretention Basins	0.547	-76.2971	36.89187365	Yes	08/28/2006	Active	JL56
Duplex	9524	14TH BAY STREET	0.22	0.08	03-0290.1	Private	General Infiltration Practices	0.22	-76.2018	36.92833568	No	09/07/2005	Active	CB26
Pretty Lake Village	2201	PRETTY LAKE AVENUE	4.2	2.27	03-0292.1	Private	General Infiltration Practices	3.5	-76.2152	36.9334559	No	06/21/2007	Active	CB26
Pretty Lake Townhouses	2603	PRETTY LAKE AVENUE	0.54	0.22	03-0303.1	Private	Extended Detention Basin	0.54	-76.2109	36.93126162	No	03/04/2005	Active	CB26
2542 E Ocean View Ave	2542	E Ocean View Avenue	1	0.13	03-0304.1	Private	General Infiltration Practices	0.402	-76.21	36.93474679	No	06/25/2007	Active	CB26
Duplex	3206	PRETTY LAKE AVENUE	0.17	0.09	03-0308.1	Private	Detention Basin	0.172	-76.2042	36.92933381	No	07/29/2005	Active	CB26
Duplex	9557	12th Bay Street	0.17	0.07	03-0309.1	Private	General Infiltration Practices	0.17	-76.2043	36.930469	No	04/21/2004	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Duplex	2806	E OCEAN VIEW AVENUE	0.63	0.46	03-0310.1	Private	General Infiltration Practices	0.63	-76.2073	36.93379508	No	01/01/2005	Active	CB26
Endtime United Chruch of Jesus Chr	7416	EVELYN T BUTTS AVENUE	0.56	0.36	03-0312.1	Private	General Infiltration Practices	0.2815	-76.2429	36.91039152	Yes	10/20/2005	Active	CB26
Waterford at Lake Taylor	1309	Kempsville Road	3.51	2.09	03-0313.1	Private	Detention Basin	3.51	-76.2056	36.86864261	Yes	09/15/2006	Active	JL54
Duplex	980	W Ocean View Avenue	0.14	0.09	03-0315.1	Private	General Infiltration Practices	0.025	-76.2773	36.96720451	Yes	04/22/2005	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.1	Private	Manufactured BMP Systems	0.189	-76.2142	36.93248556	No	04/03/2009	Active	CB26
Duplex	9640	13th View Street	0.058	0.07	03-0323.1	Private	General Infiltration Practices	0.058	-76.2878	36.96630722	Yes	03/31/2006	Active	JL57
Duplex	1278	LITTLE BAY AVENUE	0.172	0.062	03-0325.1	Private	General Infiltration Practices	0.051	-76.2875	36.966433	No	08/01/2011	Active	CB26
Norfolk General New Pavilion & Par	600	GRESHAM DRIVE	6.49	4.43	03-0327.1	Private	Bioretention Basins	0.75	-76.3053	36.862444	Yes	07/23/2012	Active	JL56
AllSafe Self Storage	3701	E PRINCESS ANNE ROAD	4.58	3.562	03-101.1	Private	Extended Detention Basin	2.29	-76.2395	36.86488393	Yes	05/24/2005	Active	JL54
Westover Commons	1225	WESTOVER AVENUE	1.08	0.68	03-110.1	Private	General Infiltration Practices	0.76	-76.3071	36.86708345	Yes	11/16/2004	Active	JL56
Willard Elementary School Parking I	1511	Willow Wood Drive	5.5	0.455	NPS13.1	School	General Infiltration Practices	0.627	-76.2665	36.88815544	No	01/01/2004	Active	JL56
Ruggoso Dunes	4011	RUGOSA ROSE COURT	1.26	0.39	03-0138.1	Private	General Infiltration Practices	1.26	-76.1935	36.930922	No	01/01/2005	Active	CB26
Duplex	475	W Ocean View Avenue	0.21	0.1	03-139.1	Private	General Infiltration Practices	0.1035	-76.2633	36.960477	Yes	08/17/2007	Active	CB26
8th Bay Street	9569	8TH BAY STREET	0.34	0	03-147.1	Private	Extended Detention Basin	0.224	-76.2087	36.931665	No	06/02/2005	Active	CB26
Subaru Showroom & Service Center	6611	E VIRGINIA BEACH BOULEVAR	1.46	1.15	03-149.1	Private	Manufactured BMP Systems	1.46	-76.181	36.85358704	Yes	09/08/2004	Active	JL54
Riverside Corporate Center Parcel	170	Corporate Boulevard	5.53	2.38	03-160.1	Private	Retention Basin	2.02	-76.2132	36.83801158	Yes	02/18/2004	Active	JL54
River Oaks Office Addition	5353	E Princess Anne Road	0.75	0.5	03-163.1	Private	Grassed Swale	0.753	-76.2184	36.8727476	Yes	05/31/2005	Active	JL54
Duplex	642	W OCEAN VIEW AVENUE	0.23	0.09	03-287.1	Private	General Infiltration Practices	0.077	-76.2674	36.96381	No	01/01/2005	Active	CB26
Duplex	9528	14TH BAY STREET	0.21	0.08	03-289.1	Private	General Infiltration Practices	0.21	-76.2018	36.92848068	No	01/18/2005	Active	CB26
Boush Street Garage	326	Boush Street	1.45	1.42	S40.1	Public	Manufactured BMP Systems	1.291	-76.2912	36.851224	Yes	07/19/2006	Active	JL56
Retail Shops	5720	Hoggard Road	0.48	0.41	03-316.1	Private	Manufactured BMP Systems	0.245	-76.2088	36.84806302	No	01/16/2007	Active	JL54
Calvary Presbyterian	150	Kempsville Road	5.37	0.577	03-317.1	Private	Grassed Swale	0.115	-76.188	36.84337	Yes	06/09/2004	Active	JL54
Colonnas Shipyard Super Building P	400	E INDIAN RIVER ROAD	1.2	1.2	04-0002.1	Private	General Infiltration Practices	1.2	-76.2745	36.83580395	Yes	10/26/2005	Active	JL53
Duplex	9508	5TH BAY STREET	0.16	0.51	04-0008.1	Private	General Infiltration Practices	0.0386	-76.2124	36.93043044	Yes	01/22/2007	Active	CB26
Duplex	9547	10TH BAY STREET	0.3	0.08	04-0012.1	Private	General Infiltration Practices	0.151	-76.2066	36.93072418	Yes	01/19/2007	Active	CB26
Duplex	240	W Ocean View Avenue	0.26	0.16	04-0013.1	Private	General Infiltration Practices	1.33	-76.2546	36.95730959	No	01/01/2009	Active	JL57
Colonial Chevrolet	6252	E VIRGINIA BEACH BOULEVAR	10.72	10.32	04-0018.1	Private	Manufactured BMP Systems	7.42	-76.1919	36.85526966	No	02/09/2005	Active	JL54
Duplex	2807	PLEASANT AVENUE	0.12	0.06	04-0019.1	Private	General Infiltration Practices	65	-76.208	36.93175118	No	06/09/2008	Active	CB26
AAAA Self Storage	5680	LOWERY ROAD	2	1.385	04-0023.1	Private	Manufactured BMP Systems	0.33	-76.2124	36.86315967	Yes	10/11/2005	Active	JL54
Vinings Landing Marine Center	8166	Shore Drive	4.42	2.39	04-0026.1	Private	Manufactured BMP Systems	3.76	-76.1915	36.924149	No	12/21/2004	Active	CB26
Public Storage	854	WIDGEON ROAD	3.774	3.013	04-0030.1	Private	Extended Detention Basin	1.887	-76.255	36.90314876	Yes	05/10/2005	Active	JL56
Agent Wall Systems	895	NORFOLK SQUARE	0.46	0.3	04-0031.1	Private	General Infiltration Practices	0.46	-76.233	36.8531535	Yes	01/26/2005	Active	JL54
THR Park	801	E 25th Street	1.03	0.81	04-0036.1	Private	General Infiltration Practices	0.318	-76.277	36.8693945	Yes	05/06/2009	Active	JL56
Claremont Commons	1201	Redgate Avenue	0.34	0.23	04-0045.1	Private	General Infiltration Practices	0.22	-76.3073	36.86651738	No	07/22/2005	Active	JL56
St. Paul's Place Condo	423	Saint Pauls Boulevard	2.21	1.74	04-0055.1	Private	General Infiltration Practices	0.43	-76.2857	36.85023824	No	12/01/2005	Active	JL54
Duplex	9629	16th Bay Street	0.17	0.05	04-0056.1	Private	General Infiltration Practices	0.085	-76.1989	36.931147	No	01/06/2005	Active	CB26
New Life Worship Center	925	Briar Hill Road	2.77	0.97	04-0058.1	Private	General Infiltration Practices	1.86	-76.2155	36.85497348	Yes	08/16/2006	Active	JL54
Duplex - Willoughby	1109	LITTLE BAY AVENUE	0.13	0.08	04-0062.1	Private	General Infiltration Practices	0.076	-76.2821	36.965961	Yes	09/28/2007	Active	CB26
Norfolk Commerce Park	5375	HENNEMAN DRIVE	1	0.72	04-0066.1	Private	General Infiltration Practices	1	-76.2188	36.87718671	No	09/21/2007	Active	CB26
Miller Gas Station	4900	HAMPTON BOULEVARD	1.26	1.02	04-0067.1	Private	Manufactured BMP Systems	0.146	-76.3019	36.88836854	Yes	08/23/2005	Active	JL56
Duplex	1106	Little Bay Avenue	0.17	0.09	04-0072.1	Private	Bioretention Basins	0	-76.2818	36.966352	No	09/23/2005	Active	CB26
Condo Lots A, B & C	9505	10TH BAY STREET	0.45	0.24	04-0094.1	Private	General Infiltration Practices	0.45	-76.2071	36.92956157	Yes	05/06/2008	Active	CB26
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.1	Private	Retention Basin	0.001	-76.2348	36.86361354	Yes	11/01/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.1	Private	Manufactured BMP Systems	0.22	-76.2134	36.86082985	Yes	07/22/2005	Active	JL54
Church Street Executive Office Park	1751	CHURCH STREET	5.14	3.93	04-0112.1	Private	Retention Basin	4.42	-76.2791	36.86287384	No	06/20/2006	Active	JL56
Parking Lot Addition	8111	SHORE DRIVE	0.37	0.22	04-0115.1	Private	Grassed Swale	0.35	-76.1928	36.92146223	Yes	04/20/2006	Active	CB26
Grandy Village Roadway	0	Kimball Loop	10.92	1.25	04-0119.1	Public	Grassed Swale	10.92	-76.2524	36.84104868	No	01/01/2005	Active	JL54
FOR Kids Residence	840	38TH STREET	0.13	0.07	04-0120.1	Private	General Infiltration Practices	0.13	-76.2965	36.88014714	No	10/05/2005	Active	JL56
Duplex	848	38th Street	0.12	0.07	04-0125.1	Private	General Infiltration Practices	0.127	-76.2969	36.88003468	Yes	11/16/2006	Active	JL56
Bradco Supply Corporation Parking	3747	Village Avenue	3.69	3.12	04-0127.1	Private	Extended Detention Basin	1.45	-76.2375	36.86016493	Yes	04/17/2006	Active	JL54
Townhomes	1407	Colonial Avenue	0.17	0.14	04-0132.1	Private	General Infiltration Practices	0.063	-76.2936	36.86531311	Yes	08/02/2006	Active	JL56
Baywalk Townhouses	9637	Capeview Avenue	0.48	0.293	04-0133.1	Private	General Infiltration Practices	0.24	-76.2228	36.9376749	Yes	04/19/2006	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Saint Pius Church Addition	7800	Halprin Drive	0.14	0.11	04-0135.1	Private	Grassed Swale	0.111	-76.2202	36.91416564	No	11/22/2005	Active	CB26
Trader Square	150	Granby Street	0.72	0.72	04-0136.1	Private	Manufactured BMP Systems	0.36	-76.2917	36.84737829	Yes	12/12/2006	Active	JL56
Duplex	9509	14th Bay Street	0.172	0.095	04-0148.1	Private	General Infiltration Practices	0.172	-76.2025	36.92805478	Yes	10/03/2006	Active	CB26
Warehouse / Office Building	2635	Nevada Avenue	0.223	0.16725	04-0152.1	Private	General Infiltration Practices	0.223	-76.2468	36.87130314	Yes	05/30/2005	Active	JL56
Cape Henry Subdivision	3651	Cape Henry Avenue	4	1.89	05-0008.1	Private	Detention Basin	2.906	-76.238	36.86808677	Yes	05/14/2007	Active	JL56
Laundromat, Shops, Offices	6138	Chesapeake Boulevard	0.8	0.55	05-0009.1	Private	General Infiltration Practices	0.8	-76.237	36.89142198	Yes	08/28/2006	Active	JL56
Warehouse extension	1150	E Olney Road	1.91	0.83	05-0016.1	Private	Detention Basin	1.91	-76.2737	36.85192584	Yes	02/02/2006	Active	JL56
Gifford Office	1547	E LITTLE CREEK ROAD	1.55	1.2	05-0023.1	Private	Manufactured BMP Systems	0.7735	-76.232	36.9163338	Yes	12/01/2006	Active	CB26
Berkley Center	201	E BERKLEY AVENUE	6.5	5.27	05-0025.1	Private	Retention Basin	6.504	-76.2811	36.83178257	Yes	12/06/2005	Active	JL54
WaWa Food Market	975	E Little Creek Road	2.885	1.875	05-0040.1	Private	Retention Basin	2.885	-76.2428	36.91442975	Yes	11/08/2006	Active	JL56
Wawa Food Market	8105	Hampton Boulevard	1.5	1.26	05-0046.1	Private	Manufactured BMP Systems	0.2067	-76.3178	36.92658813	Yes	12/15/2006	Active	JL57
Duplex Lots 59 & 60	9545	20th Bay Street	0.172	0.093	05-0049.1	Private	General Infiltration Practices	0.172	-76.1948	36.92739653	Yes	04/09/2007	Active	CB26
Duplex Lots 61 & 62	9543	20th Bay Street	0.172	0.094	05-0051.1	Private	General Infiltration Practices	0.172	-76.1948	36.92726359	Yes	04/12/2007	Active	CB26
Norfolk Cruise Terminal	111	Waterside Drive	1.15	0.47	05-0060.1	Public	Manufactured BMP Systems	0.575	-76.2946	36.84699748	Yes	03/26/2007	Active	JL56
Duplex - Lot 5 blk 3	1020	HILLSIDE AVENUE	0.17	0.1	05-0061.1	Private	General Infiltration Practices	0.086	-76.2403	36.94618681	Yes	05/07/2008	Active	CB26
Duplex - Lot 6 blk3	1016	Hillside Avenue	0.17	0.1	05-0062.1	Private	General Infiltration Practices	0.086	-76.2405	36.94612768	Yes	05/07/2008	Active	CB26
Duplex - Lot 7 blk 3	1012	Hillside Avenue	0.17	0.1	05-0063.1	Private	General Infiltration Practices	0.086	-76.2407	36.94628561	Yes	05/07/2008	Active	CB26
Harbor Heights	123	College Place	1.23	0.93	05-0073.1	Private	Manufactured BMP Systems	0.51	-76.2915	36.85004967	Yes	09/24/2007	Active	JL56
Walmart @ Tidewater	7530	TIDEWATER DRIVE	37.9	32.52	05-0074.1	Private	Retention Basin	36.6	-76.2523	36.91074967	Yes	03/16/2007	Active	JL56
Gypsum Plant Expansion	1424	SOUTH MAIN STREET	32.9	17.44	05-0075.1	Private	Extended Detention Basin	32.9	-76.2868	36.82267167	Yes	11/17/2006	Active	JL53
Shorewood Shores Phase I	460	Shorewood Court	3.21	1.53	S41.1	Private	Manufactured BMP Systems	0.51	-76.2135	36.8334448	No	01/09/2014	Active	JL56
Walgreens	1157	N Military Highway	1.9	1.63	05-0085.1	Private	Detention Basin	4.137	-76.2109	36.86257826	Yes	10/27/2009	Active	JL54
Jacox Elementary School Bus Loop	1300	Marshall Avenue	1.37	0.4	NPS14.1	School	General Infiltration Practices	0.685	-76.2652	36.85670973	Yes	10/04/2005	Active	JL56
Sherwood Forest Elementary Schoo	3035	Sherwood Forest Lane	0.66	0.24	NPS15.1	School	Detention Basin	0.66	-76.2379	36.87806511	Yes	10/20/2005	Active	JL56
Ghent Elementary School Bus Loop	200	Shirley Avenue	0.92	0.44	NPS16.1	School	General Infiltration Practices	0.922	-76.2881	36.8646908	Yes	08/01/2005	Active	JL56
Duplex	9612	Grove Avenue	0.26	0.08	05-0090.1	Private	General Infiltration Practices	0.13	-76.2257	36.93780782	Yes	02/19/2008	Active	CB26
Ruby Tuesday	4213	E Little Creek Road	0.79	0.75	05-0093.1	Private	Manufactured BMP Systems	0.79	-76.1941	36.917417	Yes	11/14/2006	Active	CB26
Tanner's Landing	4250	Granby Street	1.54	0.91	05-0097.1	Private	Manufactured BMP Systems	0.772	-76.2805	36.88594083	No	07/12/2007	Active	JL56
Duplex - Residental houses	4114	Pretty Lake Avenue	0.15	0.07	05-0100.1	Private	General Infiltration Practices	0.056	-76.193	36.92633838	Yes	03/08/2006	Active	CB26
Pretlow Library	111	W Ocean View Avenue	3.15	0.96	S42.1	Public	General Infiltration Practices	3.15	-76.2513	36.95299236	No	12/20/2007	Active	CB26
Campostella Heights Seventh Day A	1006	Oakwood Street	1.004	0.693	05-0110.1	Private	General Infiltration Practices	1.004	-76.2594	36.83184053	Yes	09/05/2006	Active	JL53
Water's Edge	390	S MILITARY HIGHWAY	7.08	0.28	05-0113.1	Private	Bioretention Basins	2.36	-76.209	36.8337779	Yes	01/01/2007	Active	JL54
Duplex	9634	7TH BAY STREET	0.17	0.07	05-0114.1	Private	General Infiltration Practices	0.15	-76.2089	36.93334216	No	05/23/2008	Active	CB26
Duplex	9569	7th Bay Street	0.17	0.09	05-0116.1	Private	Bioretention Basins	0.17	-76.2098	36.93195262	No	10/02/2007	Active	CB26
Taco Bell	4009	Hampton Boulevard	0.77	0.55	05-0123.1	Private	Manufactured BMP Systems	0.25	-76.3026	36.881835	Yes	12/27/2005	Active	JL56
Duplex	3023	Pleasant Avenue	0.16	0.08	05-0124.1	Private	General Infiltration Practices	0.172	-76.2057	36.93144724	Yes	10/31/2006	Active	CB26
Bauer Compressors - Building Expar	1328	AZALEA GARDEN ROAD	5.01	3.62	05-0128.1	Private	Retention Basin	5.01	-76.2321	36.86271224	Yes	07/31/2006	Active	JL54
Condo (24 units)	450	W Princess Anne Road	0.38	0.3	05-0132.1	Private	Manufactured BMP Systems	0.034	-76.2938	36.8636999	Yes	02/14/2007	Active	JL56
Residental Dwellings	9628	7th Bay Street	0.17	0.095	05-0137.1	Private	Bioretention Basins	0.172	-76.209	36.93324448	Yes	05/21/2009	Active	CB26
McRae Commons Condo Units	915	Colley Avenue	0.46	0.35	05-0145.1	Private	General Infiltration Practices	0.368	-76.3008	36.86428529	Yes	04/19/2007	Active	JL56
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.1	Private	Manufactured BMP Systems	0.17	-76.2067	36.84871924	Yes	11/07/2008	Active	JL54
AAAA Self Storage Facility	408	18th Street	1.52	1.48	05-0149.1	Private	General Infiltration Practices	1.524	-76.2822	36.86513286	Yes	10/16/2009	Active	JL56
Norfolk Christian School	255	Thole Street	9.5	3.24	05-0153.1	Private	Detention Basin	9.5	-76.2705	36.90459547	No	10/21/2002	Active	JL56
Rotunda Condominiums	415	Saint Pauls Boulevard	1.35	1.04	05-0156.1	Private	Manufactured BMP Systems	0.33	-76.2847	36.84870929	Yes	01/17/2007	Active	JL56
AAA Parking Lot Expansion	5732	E Virginia Beach Boulevard	1.15	1.03	05-0157.1	Private	Manufactured BMP Systems	0.46	-76.2084	36.85656379	Yes	01/01/2007	Active	JL54
Nash Warehouse	1133	Kingwood Avenue	9.2	6.33	05-0165.1	Private	Manufactured BMP Systems	6.27	-76.2403	36.85601974	No	03/29/2006	Active	JL54
CHKD Parking Lot	929	Redgate Avenue	0.27	0.56	05-0169.1	Private	General Infiltration Practices	0.06	-76.3034	36.8646523	No	01/01/2006	Active	JL56
Duplex	9634	14th Bay Street	0.18	0.095	05-0170.1	Private	Bioretention Basins	0.045	-76.201	36.93132	Yes	01/14/2009	Active	CB26
Fentress Court Subdivision	9500	FENTRESS COURT	1.18	0.66	05-0175.1	Private	Grassed Swale	1.18	-76.2253	36.93636227	No	01/01/2008	Active	CB26
Riverpoint Condos	6111	Granby Street	2.2	1.29	05-0176.1	Private	General Infiltration Practices	0.638	-76.2806	36.89749906	Yes	11/26/2007	Active	JL56
Little Creek Self Storage	1806	E Little Creek Road	1.27	1	05-0179.1	Private	Bioretention Basins	0.176	-76.2265	36.91656764	Yes	10/08/2007	Active	JL57
Warehouses	5819	Hargrove Street	0.27	0.18	05-0180.1	Private	Extended Detention Basin	0.278	-76.2058	36.84394645	No	04/13/2007	Active	JL54

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Janaf Shopping Center	1140	N Military Highway	4.34	3.77	05-0181.1	Private	General Infiltration Practices	3.472	-76.2088	36.86027527	Yes	10/24/2006	Active	JL54
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.1	Private	Grassed Swale	0.673	-76.1992	36.917188	Yes	11/30/2006	Active	CB26
Office Warehouse	2640	Nevada Avenue	0.86	0.64	05-0195.1	Private	Extended Detention Basin	0.86	-76.2463	36.87154025	Yes	01/02/2006	Active	JL56
Third Police Precinct Parking Lot Ad	1013	Goff Street	1.3	0.77	S43.1	Public	Extended Detention Basin	1.3	-76.2715	36.85787472	Yes	09/30/2006	Active	JL56
Townhouses	873	W 42nd Street	0.46	0.31	06-0003.1	Private	Extended Detention Basin	0.4403	-76.305	36.912069	Yes	08/08/2006	Active	JL56
Duplex	1400	E Ocean View Avenue	0.11	0.02	06-0005.1	Private	Bioretention Basins	0.985	-76.2326	36.94261987	Yes	01/01/2008	Active	CB26
Duplex	9516	14th Bay Street	0.22	0.11	06-0009.1	Private	Bioretention Basins	0.22	-76.2019	36.92805546	Yes	01/01/2014	Active	CB26
Duplex	1342	Little Bay Avenue	0.17	0.09	06-0014.1	Private	Bioretention Basins	0.086	-76.29	36.96621741	Yes	09/11/2008	Active	CB26
Duplex Lot "C"	1067	W OCEAN VIEW AVENUE	0.2	0.15	06-0015.1	Private	General Infiltration Practices	0.1	-76.2806	36.96681349	Yes	11/30/2009	Active	JL56
Social Security Building	5850	Lake Herbert Drive	4.99	2.78	06-0016.1	Private	General Infiltration Practices	4.99	-76.2078	36.86882372	Yes	06/18/2007	Active	JL54
Palace Station, LLC	404	W 22ND STREET	2.76	2.5	06-0019.1	Private	Manufactured BMP Systems	1.85	-76.2901	36.8696288	Yes	05/15/2006	Active	JL56
Wash Land	6600	N MILITARY HIGHWAY	0.64	0.42	06-0020.1	Private	Extended Detention Basin	0.64	-76.2281	36.90127415	Yes	05/24/2006	Active	CB26
EG Middleton Office Addition	2510	CROMWELL ROAD	0.76	0.51	06-0023.1	Private	General Infiltration Practices	0.76	-76.249	36.86698553	Yes	12/07/2006	Active	JL54
Norfolk Apostolic Church Parking Lo	3131	Azalea Garden Road	1.99	1.5	06-0026.1	Private	Bioretention Basins	1.99	-76.226	36.88230337	Yes	01/01/2007	Active	CB26
La Quinta Hotel	1387	N Military Highway	1.22	0.86	06-0030.1	Private	Detention Basin	1.22	-76.2117	36.87096047	Yes	06/05/2008	Active	JL54
McKann Ave Street Expansion	2521	MCKANN AVENUE	1.55	0.59	S44.1	Public	Manufactured BMP Systems	0.59	-76.2549	36.86625301	Yes	04/28/2009	Active	JL56
Newtowne South Townhomes	6601	Stoney Point Way	1.9	0.68	06-0036.1	Private	Detention Basin	1.9	-76.182	36.85113987	Yes	03/19/2018	Active	JL54
Commander Corporate Center	6160	COMMANDER PARKWAY	10.72	6.05	06-0040.1	Private	Retention Basin	10.72	-76.2023	36.882424	Yes	01/01/2007	Active	CB26
Medical Office Building	5665	Lowery Road	0.79	0.52	06-0042.1	Private	Extended Detention Basin	0.795	-76.2129	36.86180741	Yes	06/28/2007	Active	JL54
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.402	0.201	06-0044.6	Private	Manufactured BMP Systems	0.402	-76.2135	36.833454	Yes	12/02/2013	Active	JL56
Duplex	2617	Minnesota Avenue	0.81	0.44	06-0045.1	Private	Manufactured BMP Systems	0.15	-76.2456	36.87119049	Yes	03/18/2008	Active	JL56
Parking Lot	817	BRANDON AVENUE	0.46	0.29	08-0103.1	Private	General Infiltration Practices	0.115	-76.298	36.86928721	Yes	01/01/2009	Active	JL56
Duplex	9539	11th Bay Street	0.34	0.19	06-0047.1	Private	General Infiltration Practices	0.147	-76.2054	36.93042187	Yes	05/02/2008	Active	CB26
Jet Aircraft Ground Run-Up Enclosu	2200	Norview Avenue	9.3	2.14	06-0048.1	Private	General Infiltration Practices	1.68	-76.2054	36.930274	Yes	06/08/2007	Active	CB26
Shamrock Gardens	8115	REDMON ROAD	0.46	0.25	06-0051.1	Private	General Infiltration Practices	0.47	-76.1992	36.922156	Yes	06/06/2008	Active	CB26
Shamrock Gardens	8107	REDMON ROAD	0.43	0.25	06-0052.1	Private	General Infiltration Practices	0.43	-76.1992	36.92187616	Yes	10/27/2010	Active	CB26
Duplex	1156	Toler Place	0.19	0.06	06-0056.1	Private	General Infiltration Practices	0.0975	-76.2838	36.96823	Yes	11/13/2008	Active	CB26
Coleman Place Elementary School	2445	Palmyra Street	9.32	4.19	NPS17.1	School	Retention Basin	9.32	-76.2401	36.86877222	Yes	12/11/2008	Active	JL56
Little Creek Retail Shops	7862	TIDEWATER DRIVE	2.23	1.94	06-0062.1	Private	Manufactured BMP Systems	0.245	-76.253	36.91555025	Yes	02/20/2007	Active	CB26
Duplex	8113	TURNER STREET	0.178	0.093	06-0068.1	Private	General Infiltration Practices	0.178	-76.1906	36.92126401	Yes	02/05/2007	Active	CB26
Duplex	516	ASHLAWN DRIVE	0.17	0.09	06-0069.1	Private	General Infiltration Practices	0.0825	-76.2576	36.91844203	Yes	04/11/2008	Active	JL57
Duplex	544	Ashlawn Drive	0.16	0.09	06-0070.1	Private	General Infiltration Practices	0.0825	-76.2563	36.9180882	Yes	04/11/2008	Active	JL57
Police Training Center Track	2500	N MILITARY HIGHWAY	1.91	0.57	S46.1	Public	Grassed Swale	0.134	-76.2102	36.86983648	No	01/01/2007	Active	CB26
Duplex	1349	LEAD STREET	0.16	0.08	06-0073.1	Private	Extended Detention Basin	0.164	-76.2635	36.8578929	Yes	05/04/2007	Active	JL56
Atlas Masters Company	5552	RABY ROAD	1	0.71	06-0078.1	Private	Detention Basin	0.86	-76.2177	36.85887271	Yes	08/29/2007	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.1	Private	Detention Basin	0.49	-76.2103	36.87292656	Yes	11/07/2006	Active	JL54
Saint Clair's Law Firm Office Additio	2317	E LITTLE CREEK ROAD	0.4	0.28	06-0090.1	Private	General Infiltration Practices	0.404	-76.2199	36.91491182	Yes	10/22/2008	Active	CB26
Calvary Presbyterian Church	150	KEMPSVILLE ROAD	4.74	0.64	06-0091.1	Private	Grassed Swale	0.56	-76.188	36.84396807	Yes	12/17/2007	Active	JL54
Medical Center	302	E LITTLE CREEK ROAD	0.91	0.68	06-0092.1	Private	Bioretention Basins	0.908	-76.265	36.91859256	Yes	04/25/2007	Active	CB26
Chesterfield Elementary Parking Lot	2915	Westminster Avenue	0.78	0.28	NPS18.1	School	General Infiltration Practices	0.78	-76.252	36.84473593	Yes	08/14/2007	Active	JL54
New Hope United Church of Christ	145	E LIBERTY STREET	0.85	0.56	06-0096.1	Private	Detention Basin	0.85	-76.2766	36.82518826	Yes	03/11/2008	Active	JL54
Roosevelt Family Medicine	2203	E LITTLE CREEK ROAD	1.27	0.65	06-0101.1	Private	Detention Basin	0.391	-76.2223	36.915077	Yes	03/23/2007	Active	CB26
Sandollar Duplex	915	HILLSIDE AVENUE	0.17	0.09	06-0104.1	Private	General Infiltration Practices	0.172	-76.2426	36.94695211	Yes	12/31/2009	Active	CB26
Street Improvements - Ernies Way	951	ERNIES WAY	0.69	0.41	S47.1	Public	Bioretention Basins	0.159	-76.1826	36.85368778	No	01/01/2007	Active	JL54
Widgeon Point	851	Norview Avenue	2.67	1.79	06-0110.1	Private	Manufactured BMP Systems	0.24	-76.2542	36.890183	Yes	04/08/2009	Active	JL56
VIT Office Building	1431	TERMINAL BOULEVARD	2.61	1.41	06-0112.1	Private	Retention Basin	2.61	-76.301	36.918239	No	01/01/2007	Active	JL56
Jack Rabbit Self-Storage	8710	HAMPTON BOULEVARD	1.42	1.05	06-0115.1	Private	Manufactured BMP Systems	1.42	-76.3116	36.93234721	Yes	04/21/2008	Active	JL57
Norview Community Center	6380	SEWELLS POINT ROAD	3.62	2.21	S48.1	Public	Bioretention Basins	1.43	-76.2409	36.89684659	No	01/19/2008	Active	JL54
Grantham Square	7610	RESTMERE ROAD	1.06	0.49	06-0117.1	Private	General Infiltration Practices	0.5302	-76.2817	36.91642841	Yes	04/09/2008	Active	JL57
Vulcan Construction Materials, L.P.	966	BALLENTINE BOULEVARD	12.25	10.88	06-0121.1	Private	Detention Basin	2.15	-76.246	36.85297859	Yes	09/15/2009	Active	JL54
First Presbyterian Church	820	COLONIAL AVENUE	2.41	1.79	06-0125.1	Private	General Infiltration Practices	0.15	-76.2946	36.8608887	Yes	03/05/2010	Active	JL56
Townhomes	2400	AZALEA GARDEN ROAD	0.804	0.412	06-0129.1	Private	Detention Basin	0.402	-76.231	36.87235562	Yes	05/14/2008	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Metropolitan Funeral Service	120	W BERKLEY AVENUE	0.98	0.79	06-0134.1	Private	General Infiltration Practices	0.807	-76.2837	36.83317361	Yes	04/10/2008	Active	JL53
Marine Hydraulics Incorporated	543	E INDIAN RIVER ROAD	5.07	4.05	06-0135.1	Private	Extended Detention Basin	6.9	-76.2764	36.833955	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	-76.2121	36.85713259	No	11/08/2007	Active	CB26
Tarrallton Elementary Parking Lot	2080	TARRALLTON DRIVE	0.52	0.38	NPS19.1	School	Grassed Swale	0.52	-76.2224	36.92595589	No	10/17/2007	Active	CB26
Little Creek Elementary Parking Lot	7900	TARPON PLACE	0.82	0.65	NPS20.1	School	Grassed Swale	0.82	-76.2089	36.91795076	No	10/17/2007	Active	CB26
MHI Building Addition and Bulkhead	1215	Warrington Avenue	5.78	4.31	06-0144.1	Private	Manufactured BMP Systems	15.64	-76.311	36.86373828	Yes	01/01/2010	Active	JL56
Commerce Bank	245	E LITTLE CREEK ROAD	0.51	0.45	06-0146.1	Private	Manufactured BMP Systems	0.51	-76.2682	36.916032	Yes	12/19/2006	Active	JL56
St. Mary's Mausoleum	3000	Church Street	0.48	0.1	07-0002.1	Private	Detention Basin	0.479	-76.2807	36.87335518	Yes	05/20/2009	Active	JL56
Norfolk Police Department Firearm	1501	Pritchard Street	2.6	1.17	S49.1	Public	General Infiltration Practices	2.6	-76.2049	36.88159145	No	09/16/2008	Active	CB26
Northside Middle School Parking Lo	8720	Granby Street	1.89	0.11	NPS21.1	School	Bioretention Basins	1.89	-76.2621	36.93525444	No	11/07/2007	Active	JL57
Dey Street and Texas Avenue Road	4817	Texas Avenue	0.34	0.19	07-0017.1	Private	General Infiltration Practices	0.37	-76.2349	36.885599	No	01/01/2008	Active	JL56
The Rotunda Lofts parking lot additi	415	Saint Pauls Boulevard	0.3	0.21	07-0021.1	Private	General Infiltration Practices	0.03	-76.2853	36.84924989	No	01/01/2007	Active	JL56
Bay Disposal	499	E Indian River Road	16.74	10.38	07-0027.1	Private	Retention Basin	6.33	-76.2743	36.83428323	Yes	08/20/2008	Active	JL54
Tarrallton Park Improvements	2100	TARRALLTON DRIVE	41.6	6.68	07-0031.1	Public	General Infiltration Practices	1.3	-76.2204	36.92489048	No	11/02/2017	Active	CB26
St. Paul's Church Parking Lot Expans	1615	Isaac Street	0.19	0.12	07-0038.1	Private	Bioretention Basins	0.194	-76.2658	36.82630133	No	12/10/2007	Active	JL54
American Tire Distributors	4554	Progress Road	1.6	0.94	07-0039.1	Private	Retention Basin	1.6	-76.2324	36.86656201	Yes	03/25/2008	Active	JL54
Sentara Parking Garage Expansion	801	COLLEY AVENUE	1.27	0.99	07-0042.1	Private	Grassed Swale	0.317	-76.3006	36.8629331	Yes	04/30/2010	Active	JL56
First Church of God	8600	Granby Street	1.7	1.07	07-0047.1	Private	General Infiltration Practices	0.61	-76.2641	36.934116	Yes	04/14/2009	Active	JL57
City Line Self Storage	951	Ernies Way	1.99	1.47	07-0052.1	Private	Extended Detention Basin	1.99	-76.1825	36.85299607	Yes	03/15/2011	Active	JL54
Penske Trucking	4845	BROOKSIDE COURT	7.94	4.04	07-0054.1	Private	Manufactured BMP Systems	0.5455	-76.227	36.86435331	Yes	03/13/2009	Active	JL54
EVMS Parking Addition	855	W BRAMBLETON AVENUE	0.31	0.16	07-0060.1	Private	Grassed Swale	0.31	-76.3061	36.85971488	Yes	01/23/2008	Active	JL56
Leigh Medical Office Building	6275	E VIRGINIA BEACH BOULEVAR	2.52	2.07	07-0061.1	Private	Manufactured BMP Systems	0.5	-76.1905	36.8544026	Yes	03/06/2012	Active	JL54
Powhatan Sports Complex	4251	Powhatan Avenue	9.29	2.18	07-0063.1	Private	Detention Basin	1.55	-76.3135	36.88287899	No	08/07/2008	Active	JL56
New Life Christian Center	1046	JOHNSTONS ROAD	0.27	0.16	07-0065.1	Private	Bioretention Basins	0.512	-76.2434	36.90720824	Yes	10/21/2008	Active	CB26
River House Apartments	4233	LLEWELLYN AVENUE	5.65	4.4	07-0073.1	Private	Manufactured BMP Systems	0.21	-76.2814	36.887663	Yes	01/04/2010	Active	JL56
Duplex	716	Redgate Avenue	0.13	0.09	07-0074.1	Private	Grassed Swale	0.132	-76.2993	36.863317	Yes	07/22/2008	Active	JL56
Floor Busters	845	W 40TH STREET	0.149	0.104	08-0047.1	Private	Grassed Swale	0.082	-76.2968	36.881335	No	01/06/2011	Active	JL56
Condos/Coffee Shop	201	W 21st Street	3.04	2.8	07-0077.1	Private	Manufactured BMP Systems	3.043	-76.2874	36.8677558	Yes	01/29/2010	Active	JL56
The Market at Ghent	730	W 21st Street	0.2	0.17	07-0084.1	Private	General Infiltration Practices	0.201	-76.2942	36.87041265	Yes	04/09/2009	Active	JL56
Downtown Pump Station (PS 145)	718	Yarmouth Street	0.18	0.07	S51.1	Public	Manufactured BMP Systems	0.044	-76.2939	36.8537668	No	01/01/2009	Active	JL56
EVMS roadway widening	825	Fairfax Avenue	0.56	0.46	07-0090.1	Private	Bioretention Basins	0.55	-76.3046	36.86053337	Yes	01/01/2009	Active	JL56
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.1	Private	Manufactured BMP Systems	0.441	-76.2137	36.861746	Yes	06/19/2009	Active	JL54
Target Expansion	1245	N Military Highway	9.21	8.44	07-0103.1	Private	Manufactured BMP Systems	0.45	-76.2118	36.86583804	Yes	06/17/2008	Active	CB26
McDonald's rebuild	7900	Shore Drive	0.93	0.7	07-0113.1	Private	General Infiltration Practices	0.67	-76.1917	36.91853	Yes	10/27/2008	Active	CB26
Eaton Office Park Phase III	173	Kempsville Road	0.6	0.37	07-0123.1	Private	Detention Basin	0.602	-76.1911	36.84286274	Yes	11/03/2008	Active	JL54
Brittany Apartments (6 units)	1336	Picadilly Street	0.46	0.19	07-0125.1	Private	General Infiltration Practices	0.459	-76.2332	36.89729957	Yes	01/21/2009	Active	CB26
Trail of the Tiger Exhibit	3500	Granby Street	6.1	2.2	S52.1	Public	Manufactured BMP Systems	6.52	-76.2768	36.87716769	Yes	08/03/2010	Active	JL56
Building Addition at Circle South	835	Glenrock Road	1.09	0.76	07-0127.1	Private	Manufactured BMP Systems	0.545	-76.2011	36.85155924	No	11/12/2009	Active	JL54
Southwind Apartments	7824	Dallas Street	5.9	4.02	08-0001.1	Private	Retention Basin	3.51	-76.2586	36.91689161	Yes	01/30/2009	Active	JL56
Orapax Inn	1300	Redgate Avenue	0.13	0.09	08-0026.1	Private	Permeable Pavement 1	0.13	-76.3084	36.86746275	Yes	01/01/2009	Active	JL56
Capitol Group Mail Center	2740	Azalea Garden Road	4.07	2.04	08-0086.1	Private	Detention Basin	2.75	-76.2259	36.87950475	Yes	03/09/2009	Active	JL56
Archers Green Apartments	261	Suburban Parkway	2.88	1.12	91067.006.	Private	General Infiltration Practices	1.2	-76.2678	36.91015561	Yes	02/13/1992	Active	JL56
9533 7th Bay Street	9533	7th Bay Street	0.17	0.05	91067.008.	Private	General Infiltration Practices	0.172	-76.2105	36.93070059	Yes	09/16/1991	Active	CB26
Nauticus	1	WATERSIDE DRIVE	0	0	S29.1	Public	Manufactured BMP Systems	1.65	-76.2939	36.84714879	No	01/01/1992	Active	JL56
Greek Orthodox Church	7220	Granby Street	0.24	0.09	91067.012.	Private	General Infiltration Practices	0.24	-76.2729	36.9075702	Yes	07/16/1991	Active	JL56
Lake Liberty, NRHA	3000	LAKEBRIDGE DRIVE	0	0	S12.1	Public	Retention Basin	195	-76.2494	36.84829066	No	01/01/1993	Active	JL54
Shoshone Court	4553	Shoshone Court	0.75	0.75	92067.022.	Private	General Infiltration Practices	8.93	-76.2378	36.879089	No	07/02/1992	Active	JL56
Lake Wright Executive Center	5701	Lake Wright Drive	43	35	98-3611.1	Private	Retention Basin	26.2	-76.209	36.87736351	No	01/01/2000	Active	CB26
Central Business Park	910	Denison Avenue	31	23	99-3931.1	Public	Retention Basin	0.8	-76.2507	36.9086136	No	01/01/2003	Active	JL56
Children's Harbor	1900	Llewellyn Avenue	0	0	99-4004.1	Private	Manufactured BMP Systems	0	-76.2883	36.86685385	Yes	06/13/2005	Active	JL56
Faith Wesleyan Church	745	Pecan Point Road	2.65	1.41	99-4033.1	Private	Detention Basin	3.86	-76.2237	36.8536602	Yes	06/04/2001	Active	JL54
Windstream	1319	Ingleside Road	0.61	0.45	99-4087.1	Private	Detention Basin	0.5	-76.244	36.85945888	No	01/01/2000	Active	JL54

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Ballentine Home	7211	Granby Street	0.97	0.56	99-4169.1	Private	General Infiltration Practices	0.22	-76.2762	36.90813962	No	05/29/2001	Active	JL56
Virginia Paving Co.	3419	Trant Avenue	18.55	18.55	99-4218.1	Private	Retention Basin	6.9	-76.2423	36.84927729	No	01/01/2004	Active	JL54
U-Haul	7448	N Military Highway	0.46	0.36	99-4220.1	Private	General Infiltration Practices	0.6	-76.2342	36.91132442	Yes	10/02/2001	Active	JL54
Centura College	7020	N Military Highway	2.52	1.29	99-4224.1	Private	Detention Basin	0.945	-76.2331	36.90875515	Yes	04/01/2000	Active	CB26
Lowe's	1081	N Military Highway	17.65	12.22	99-4237.1	Private	Retention Basin	12.469	-76.2122	36.85923569	Yes	06/13/2005	Active	JL54
John's Brothers Inc. Parking Lot and	1384	Ingleside Road	3.7	2.53	BROTHERS	Private	Grassed Swale	0.29	-76.2426	36.863043	No	04/17/1997	Active	JL54
Givens Enterprise	3510	County Street	3.86	1.83	GIVENS.1	Private	Grassed Swale	2.01	-76.2515	36.88242901	Yes	01/19/1999	Active	JL54
Heco Slings Corporation Building Ac	4570	Progress Road	1.29	0.73	HECO.1	Private	Detention Basin	0.84	-76.2308	36.86633777	Yes	07/24/1997	Active	JL54
Magnolia Cove Regional BMP	5282	Barharbor Drive	1.85	0.57	MAGBMP.	Private	Detention Basin	1.85	-76.2259	36.84971011	No	11/12/1995	Active	JL54
Anne Outten Pond	1401	Anne Street	99.43	58.95	S1.1	Public	Retention Basin	99.4	-76.2799	36.86072076	N/A	01/01/1995	Active	JL56
Norfolk Commerce Pond #2	5342	ROBIN HOOD ROAD	0	0	S10.1	Private	Retention Basin	28.35	-76.2227	36.879998	No	06/18/2001	Active	JL56
Norfolk Commerce Pond #3	2416	ALMEDA AVENUE	0	0	S11.1	Public	Detention Basin	28.35	-76.2128	36.878975	No	01/01/2001	Active	JL56
Silver Lake/Duck Pond	517	Duck Pond Road	0	0	S14.1	Public	Retention Basin	74.35	-76.2202	36.848667	No	01/01/1995	Active	JL54
Meadow Lake	5442	Bayberry Drive	0	0	S15.1	Public	Retention Basin	193.1	-76.2212	36.85139707	No	01/01/1995	Active	JL54
Ballentine Elementary School Lake	3000	Dana Street	0	0	S2.1	Public	Retention Basin	179.83	-76.2535	36.86486819	N/A	01/01/1995	Active	JL56
Lake Modoc	925	E Balview Avenue	0	0	S6.1	Public	Retention Basin	81.31	-76.2434	36.94620794	N/A	01/01/1995	Active	CB26
Lake Scott	5906	McGinnis Circle	0	0	S8.1	Public	Retention Basin	15.89	-76.205	36.83335344	No	01/01/1995	Active	JL54
Norfolk Commerce Pond #1	5300	ROBIN HOOD ROAD	0	0	S9.1	Private	Retention Basin	28.35	-76.2252	36.87950046	No	06/28/2001	Active	JL56
Annetta M. Lane Apartments	2734	Gate House Road	0.81	0.53	T100.1	Private	Detention Basin	0.53	-76.2565	36.84997593	Yes	09/13/1994	Active	JL54
Norfolk Botanical Gardens - Visitors	6700	Azalea Garden Road	10.86	4.01	S18.1	Public	Retention Basin	10.86	-76.1986	36.9025854	No	09/22/1994	Active	CB26
BP Gas Station	3210	Chesapeake Boulevard	0.56	0.47	T106.1	Private	General Infiltration Practices	0.423	-76.2525	36.87503769	Yes	09/27/1994	Active	JL56
Norfolk Public Schools Transportati	5555	Raby Road	9.95	8.06	NPS02.1	School	Detention Basin	9.95	-76.217	36.85729723	No	10/07/1994	Active	JL54
9501 8th Bay Street	9501	8th Bay Street	0.35	0.04	T109.1	Private	Vegetated Filter Strip	0	-76.2095	36.92956893	No	01/05/1995	Active	CB26
Bank Street Baptist Church Parking	7036	Chesapeake Boulevard	1.65	0.93	T111.1	Private	General Infiltration Practices	1.65	-76.2393	36.90747905	Yes	03/01/2000	Active	CB26
Macedonia Christian Church	1426	Marshall Avenue	0.51	0.31	T116.1	Private	Detention Basin	0.212	-76.2634	36.85913697	Yes	02/21/1995	Active	JL56
Saesoon Presb. Church	5135	Stanart Street	2.8	0.7	T119.1	Private	Detention Basin	1.4	-76.2252	36.85409784	Yes	02/02/1995	Active	JL54
BJ's Wholesale Warehouse	5820	E VIRGINIA BEACH BOULEVAR	11.2	10.34	T121.1	Private	Retention Basin	12.385	-76.2057	36.85811329	Yes	09/19/1994	Active	JL54
Davita Dialysis Center	962	Norfolk Square	1.73	1.47	T122.1	Private	General Infiltration Practices	1.734	-76.2345	36.85383514	Yes	07/25/1994	Active	JL54
Lake Whitehurst Harvesting Facility	7601	Leafwood Drive	0.43	0.24	S19.1	Public	Detention Basin	0.43	-76.2088	36.90694287	No	09/07/1994	Active	CB26
Rite Aid	1101	E Little Creek Road	0.91	0.74	T136.1	Private	Detention Basin	0.91	-76.2409	36.91374135	Yes	06/08/2001	Active	CB26
Thrifty Car Rental	3579	N Military Highway	1.83	1.75	T142.1	Private	Detention Basin	1.83	-76.2226	36.89236485	Yes	10/04/1994	Active	CB26
Warehouse	1141	Lance Road	0.5	0.34	T146.1	Private	Grassed Swale	0.006	-76.2158	36.86147182	Yes	11/23/1994	Active	JL54
Contel Cellular Tower	424	W Government Avenue	0.24	0.07	T150.1	Private	General Infiltration Practices	0.24	-76.2633	36.9563285	Yes	11/02/1994	Active	JL57
Elm Court Development	915	Elm Court	5.47	1.69	T153.1	Private	Detention Basin	5.47	-76.2353	36.84860964	Yes	04/12/1996	Active	JL54
The Anchorage-South Hampton Roa	112	Cromwell Parkway	4.58	2.09	T158.1	Private	Detention Basin	0.508	-76.2717	36.91279668	Yes	01/01/1995	Active	JL56
711	774	W Little Creek Road	0.73	0.48	T161.1	Private	General Infiltration Practices	0.73	-76.2893	36.91641769	Yes	08/22/1995	Active	JL57
Contel Cellular Tower	416	W 24th Street	0.181	0.041	T170.1	Private	Grassed Swale	0.181	-76.2896	36.87132353	Yes	05/04/1995	Active	JL56
Shiloh Baptist Church Parking Lot	745	Park Avenue	2.32	1.91	T173.2	Private	Detention Basin	2.32	-76.27	36.84843528	Yes	01/01/1997	Active	JL54
Allied Systems	2224	Springfield Avenue	2.47	1.81	T178.1	Private	Extended Detention Basin	0.42	-76.2533	36.8327058	Yes	03/16/1995	Active	JL54
Jack & Jill Ice Cream Co.	7816	N Military Highway	0.884	0.748	T188.1	Private	General Infiltration Practices	0.884	-76.237	36.91450051	Yes	01/01/2000	Active	CB26
Baypoint Condominiums (NRHA)	4801	Pretty Lake Avenue	6.15	1.92	T207.1	Private	General Infiltration Practices	0	-76.1852	36.92477726	No	12/12/1995	Active	JL57
Ted Lansing Corporation	3644	Village Avenue	3.25	2.07	T210.1	Private	Detention Basin	3.25	-76.2398	36.86014562	Yes	11/14/1995	Active	JL54
Bay Oaks Place Extension NRHA	2318	Bay Oaks Place	0.36	0.23	T212.1	Public	General Infiltration Practices	0.23	-76.212	36.93525685	No	04/29/1995	Active	CB26
Electrical Equipment Company	3798	Village Avenue	2.82	2.13	T214.1	Private	Retention Basin	2.82	-76.2371	36.86089673	Yes	06/27/1995	Active	JL54
Norfolk Fitness and Wellness Cente	7300	Newport Avenue	0.99	0.53	T217.1	Public	Detention Basin	0.99	-76.2766	36.91192316	Yes	07/28/1995	Active	JL56
Chrysler Museum - Gallery Project	245	W Olney Road	0.16	0.16	T222.1	Private	General Infiltration Practices	0.16	-76.2929	36.85681704	Yes	02/25/1997	Active	JL56
Robin Hood Road Parking Lot	5505	Robin Hood Road	0.78	0.72	T223.1	Private	Detention Basin	0.786	-76.216	36.88082636	Yes	10/15/1995	Active	JL54
Norfolk Tent Company	836	Poplar Hall Drive	1.12	0.55	T229.1	Private	Detention Basin	0.72	-76.1973	36.85367718	Yes	06/22/1995	Active	JL54
Autumn Care	1401	Halstead Avenue	4.63	2.4	T23.1	Private	Detention Basin	4.63	-76.2249	36.8671371	Yes	02/03/1995	Active	JL54
Granby Municipal Building Parking L	400	Granby Street	0.42	0.08	S20.1	Public	General Infiltration Practices	0.42	-76.2032	36.882996	N/A	01/01/1997	Active	JL56
Pretty Lake Estates - Lot 11	9520	8th Bay Street	0.17	0.05	T236.1	Private	Bioretention Basins	0	-76.2088	36.93016335	No	10/01/1995	Active	CB26
Pretty Lake Estates - Lot 14	9532	8th Bay Street	0.17	0.05	T237.1	Private	Bioretention Basins	0	-76.2086	36.93055139	No	11/03/1997	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Abyssinia Baptist Church Parking Lo	2816	Colley Avenue	0.17	0.17	T245.1	Private	General Infiltration Practices	0.17	-76.2947	36.87661364	Yes	01/01/1996	Active	JL56
Super KMart	6101	N Military Highway	24.68	18.75	T249.1	Private	Retention Basin	24.68	-76.2281	36.89537978	Yes	10/25/1995	Active	CB26
First Pentecostal Church-Building ar	1430	WILSON ROAD	0.17	0.06	T250.1	Private	General Infiltration Practices	0.123	-76.2658	36.82875976	Yes	10/09/2000	Active	JL54
Covan Building Addition	3325	Croft Street	0.86	0.64	T251.1	Private	Detention Basin	0.86	-76.2217	36.88474602	Yes	05/24/1995	Active	CB26
Zap Tax	325	E Bayview Boulevard	0.57	0.21	T257.1	Private	General Infiltration Practices	0.21	-76.2554	36.93247157	Yes	01/01/1997	Active	CB26
Calvary Academy of the King Eleme	2329	E Little Creek Road	10.39	4.73	T258.1	Private	Retention Basin	10.392	-76.2184	36.91394937	Yes	06/13/2001	Active	CB26
8570 Chesapeake Blvd. (18 unit apa	8570	Chesapeake Boulevard	0.76	0.49	T275.1	Private	General Infiltration Practices	0.38	-76.244	36.93238366	Yes	01/10/1996	Active	CB26
NPD 2nd Prencinct Training Center	2500	N Military Highway	8	4.4	S45.1	Public	Retention Basin	6.15	-76.2095	36.8801441	No	01/04/1996	Active	CB26
O' Reilly Auto Parts	3212	Tidewater Drive	0.97	0.97	T278.1	Private	General Infiltration Practices	0.94	-76.2628	36.87817947	Yes	02/16/1996	Active	JL56
Piedmont Aviation Hanger - Interna	6170	Miller Store Road	0.55	0.55	T281.1	Private	Extended Detention Basin	0.55	-76.2022	36.88625828	No	07/24/1996	Active	CB26
Cullifer Construction Company	864	W 40th Street	0.12	0.08	T282.1	Private	General Infiltration Practices	0.12	-76.2978	36.88145927	Yes	03/19/1996	Active	JL56
Department of Homeland Security I	5280	Henneman Drive	2.51	1.26	T284.1	Private	Detention Basin	2.51	-76.2234	36.87582299	Yes	03/28/1996	Active	JL54
Commonwealth Building Materials	401	Naval Base Road	0.69	0.69	T285.1	Private	General Infiltration Practices	0.69	-76.2619	36.90984892	Yes	01/02/1997	Active	JL57
Target Store	1245	N Military Highway	21.6	16.35	T286.1	Private	Retention Basin	17.1	-76.2141	36.86569079	No	03/04/1996	Active	JL54
Sarah Lee Baker Perennial Garden	6700	Azalea Garden Road	0	0	S22.1	Private	General Infiltration Practices	0	-76.2009	36.90247063	No	08/26/1991	Active	CB26
Townhouses	7922	Van Patten Road	0.05	0.03	T291.1	Private	General Infiltration Practices	0.05	-76.2551	36.91773583	Yes	08/26/1996	Active	JL56
U-Haul Center	5609	Raby Road	0.06	0.06	T293.1	Private	General Infiltration Practices	0.06	-76.2143	36.85820128	Yes	03/26/1996	Active	JL54
Little Creek East Shopping Center	3857	E Little Creek Road	1.66	1.33	T297.1	Private	Detention Basin	1.66	-76.1967	36.91776654	Yes	12/11/1996	Active	CB26
Auxiliary Systems	2401	Church Street	2.23	1.92	T309.1	Private	Grassed Swale	1.56	-76.2799	36.86756412	Yes	03/18/1996	Active	JL56
Booker T. Washington High School	1111	Park Avenue	12.38	2.03	NPS03.1	School	Manufactured BMP Systems	0.34	-76.2708	36.85457429	Yes	01/01/1997	Active	JL54
Lake Taylor High School Stadium	1384	Kempsville Road	35.54	2.87	NPS04.1	School	Manufactured BMP Systems	0.71	-76.2002	36.86834091	Yes	10/29/1996	Active	JL54
Signature Printing	889	Poplar Hall Drive	0.62	0.04	T317.1	Private	General Infiltration Practices	0.62	-76.1988	36.85427382	No	03/27/1996	Active	JL54
Navy Federal Credit Union	1530	International Boulevard	3	1.88	T326.1	Private	Detention Basin	3	-76.2273	36.89629356	Yes	07/26/2001	Active	CB26
Winn Nursery	1201	E LIBERTY STREET	0.81	0.36	T330.1	Private	Detention Basin	0.81	-76.2772	36.8247578	Yes	01/01/1998	Active	JL54
Safe Place Mini Storage	6137	Miller Store Road	1.32	1.14	T333.1	Private	General Infiltration Practices	0.86	-76.2034	36.88269289	Yes	08/21/1996	Active	CB26
Cottage Place Subdivision	1110	Cottage Place	0.12	0.11	T341.1	Private	General Infiltration Practices	1.48	-76.2381	36.94585	No	02/18/1999	Active	CB26
New Hope Christian Community Ch	3241	Brest Avenue	0.54	0.17	T343.1	Private	General Infiltration Practices	0.54	-76.2577	36.87796212	Yes	07/10/1996	Active	JL56
Granby High School Renovations	7101	Granby Street	21.7	9.22	NPS05.1	School	General Infiltration Practices	4.85	-76.2795	36.90669194	Yes	02/29/2000	Active	JL56
Condo	9630	13th Bay Street	0.28	0.2	T349.1	Private	General Infiltration Practices	0.254	-76.2022	36.93164237	Yes	05/14/1997	Active	CB26
USAA Recreation Area	5800	Northampton Boulevard	1.37	0	T36.1	Private	Extended Detention Basin	1.37	-76.2037	36.878807	No	01/01/1999	Active	CB26
Burning Bush Worship Center	405	Pendleton Street	0.41	0.28	T364.1	Private	General Infiltration Practices	0.223	-76.2836	36.83562177	Yes	01/01/1999	Active	JL56
Dairy Queen/Zero Subs	1520	Colley Avenue	0.32	0.19	T367.1	Private	General Infiltration Practices	0.162	-76.297	36.86836451	No	03/31/1997	Active	JL56
Manteo Street and West Princess R	636	W Princess Anne Road	0.0434	0.038	T370.1	Private	General Infiltration Practices	0.0434	-76.2967	36.86499659	Yes	08/21/1996	Active	JL56
Strip Mall - JANAF	5950	E VIRGINIA BEACH BOULEVAR	1.76	1.12	T379.1	Private	Detention Basin	1.12	-76.2007	36.85626548	Yes	09/11/1996	Active	JL54
Union Chapel A.M.E. Church	1200	Saint Julian Avenue	0.65	0.5	T38.1	Private	General Infiltration Practices	0.217	-76.2666	36.86084737	Yes	01/25/1996	Active	JL56
Enterprise Rent-A-Car	1361	E Little Creek Road	0.45	0.3	T382.1	Private	General Infiltration Practices	0.45	-76.2348	36.91566712	Yes	07/30/2001	Active	CB26
Mazzika Restaurant	4800	Colley Avenue	0.4132	0.39	T4.1	Private	General Infiltration Practices	0.129	-76.2948	36.88743791	Yes	06/16/1993	Active	JL56
Dale's Train Station	5880	Poplar Hall Drive	1.32	1.15	T400	Private	Detention Basin	1.32	-76.203	36.8496851	Yes	01/01/1999	Active	JL54
HRT Station Wards Corner	7725	Granby Street	3.25	2.15	T402.1	Private	Detention Basin	0.083	-76.274	36.91830908	Yes	01/01/2000	Active	JL56
Woodlawn Memorial Gardens Fune	6329	E VIRGINIA BEACH BOULEVAR	2.91	1.68	T409.1	Private	Detention Basin	1.955	-76.1874	36.85363854	Yes	01/01/1997	Active	JL54
Fairlawn Recreation Center Additio	1014	KEMPSVILLE ROAD	3.5	1.21	S23.1	Public	Detention Basin	3.5	-76.194	36.85604657	No	01/01/1999	Active	JL54
Shell Station	2750	N MILITARY HIGHWAY	0.93	0.74	T416.1	Private	Detention Basin	0.89	-76.2155	36.88511502	Yes	01/01/1998	Active	CB26
Doctor's Office	1902	Omohundro Avenue	0.63	0.53	T430.1	Private	General Infiltration Practices	0.63	-76.2866	36.86631631	Yes	06/12/1997	Active	JL56
Apartments Parking Lot	1601	Kingston Avenue	0.34	0.15	T435.1	Private	General Infiltration Practices	0.096	-76.2293	36.9395529	Yes	01/01/1999	Active	CB26
New Life Christian Center	3909	Pleasant Avenue	0.97	0.62	T446.1	Private	Detention Basin	0.98	-76.1949	36.92838498	Yes	05/07/1998	Active	CB26
East Coast Brake Rebuilders	5812	Curlew Drive	1.5	0.88	T447.1	Private	Detention Basin	1.25	-76.2063	36.84177223	No	07/25/1997	Active	JL54
Covenant Presbyterian Church	913	Covenant Street	0.56	0.56	T448.1	Private	Detention Basin	0.35	-76.2642	36.85133347	Yes	03/20/1998	Active	JL54
L. Fisherman & Son Inc. Flooring Ins	5875	ADDERLEY STREET	0.64	0.44	T449.1	Private	Grassed Swale	0.432	-76.2032	36.8428294	Yes	10/28/1997	Active	JL54
Moran Towing of Virginia, Inc.	1901	Brown Avenue	0.03	0.03	T450.1	Private	Grassed Swale	0.09	-76.2721	36.84213977	Yes	01/01/1999	Active	JL54
Langley Federal Credit Union	7420	GRANBY STREET	0.15	0.07	T455.1	Private	General Infiltration Practices	0.15	-76.2729	36.913163	Yes	01/01/1999	Active	JL56
Heritage Bank & Trust	4815	Colley Avenue	0.41	0.29	T457.1	Private	General Infiltration Practices	0.083	-76.2956	36.8878181	Yes	04/25/1997	Active	JL56
Avis Rent A Car Expansion	3462	N Military Highway	2.912	2.649	T465.1	Private	Detention Basin	2.912	-76.2183	36.88878132	Yes	01/01/2002	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Norfolk Botantical Gardens Product	6700	Azalea Garden Road	1.62	0.3	S24.1	Public	Grassed Swale	0.22	-76.1986	36.90720726	Yes	01/01/1999	Active	CB26
Virginia Zoological Park, Phase I	3500	Granby Street	12.79	5.19	T473.1	Public	General Intermittent Sand Filter Pra	6.52	-76.2768	36.87716769	No	01/04/1993	Active	JL56
Helena Townhouses	1601	Helena Avenue	0.44	0.18	T474.1	Private	General Infiltration Practices	0.221	-76.3049	36.91003443	Yes	10/17/1994	Active	JL56
Norfolk Collegiate Lower School	5429	Tidewater Drive	8.81	2.8	T478.1	Private	Extended Detention Basin	3.61	-76.2615	36.88805408	Yes	01/01/1999	Active	JL56
Family Dollar	6130	Chesapeake Boulevard	2.13	0.87	T486.1	Private	Extended Detention Basin	1.43	-76.2377	36.890313	No	02/10/1999	Active	JL56
Ford Motor Company Body Shop &	2424	Ford Drive	0.5	0.5	T487.1	Private	Detention Basin	0.5	-76.2526	36.831014	No	01/01/1998	Active	JL54
Landmark Avaiation	6101	BURTON STATION ROAD	1.64	1.58	T498.1	Private	Extended Detention Basin	1.64	-76.198	36.88656079	Yes	01/22/2002	Active	CB26
Bayview Recreation Center	1434	E Bayview Boulevard	3	0.8	S25.1	Public	General Infiltration Practices	1.44	-76.2351	36.935659	No	01/01/1999	Active	CB26
Bay Oaks Place	3701	Bay Oaks Place	4.16	2.45	T509.1	Public	General Infiltration Practices	4.83	-76.1974	36.93156679	No	05/12/2000	Active	CB26
Norfolk Juvenile Detention Center	1310	CHILD CARE COURT	28.83	5.04	S26.1	Public	Wet Pond 1	29.97	-76.2087	36.86733881	N/A	01/01/1999	Active	JL54
Bayview Elementary School Additio	1434	E Bayview Boulevard	0.66	0.43	NPS06.1	School	General Infiltration Practices	2.89	-76.2363	36.93620361	No	01/01/1999	Active	CB26
Norfolk Public Health Center	855	W Brambleton Avenue	3.64	3.06	S27.1	Public	General Infiltration Practices	3.64	-76.3043	36.85907903	No	01/01/1999	Active	JL56
Walter H. Taylor Elementary School	1410	Claremont Avenue	4.03	1.5	NPS07.1	School	General Infiltration Practices	0.4	-76.3043	36.86989661	Yes	08/20/2001	Active	JL56
Beekman Street & Cape Henry Aver	1557	Beekman Street	1.3	0.05	T527.1	Private	General Infiltration Practices	0.163	-76.223	36.87385974	No	01/01/2000	Active	JL54
Tabernacle Church	7000	Granby Street	10.99	7.47	T537.1	Private	Extended Detention Basin	7.14	-76.2734	36.90363563	Yes	08/27/2002	Active	JL56
Calvert Square Community Center I	900	Bagnall Road	2.5	0.55	T540.1	Private	General Infiltration Practices	0.545	-76.2764	36.85387034	No	01/01/1999	Active	JL56
East Beach Marine	4521	Pretty Lake Avenue	1.62	1.28	T543.1	Private	General Infiltration Practices	0.803	-76.1883	36.92519017	No	06/13/2005	Active	CB26
Home Depot, Broad Creek Crossing	1261	N Military Highway	23.92	14.52	T548.1	Private	Retention Basin	22.7	-76.2149	36.86674656	Yes	12/18/1998	Active	JL54
Lake Wright Resort	6280	NORTHAMPTON BOULEVARD	13.5	3.72	T555.1	Private	Manufactured BMP Systems	0	-76.2031	36.87782822	No	01/01/2003	Active	CB26
The Va Arts Festival	440	BANK STREET	0.4	0.33	08-0040.1	Private	Manufactured BMP Systems	0.17	-76.2864	36.85140644	No	11/04/2010	Active	JL56
Central Brambleton	1231	Booth Street	0	0	S30.1	Public	Retention Basin	57.02	-76.2711	36.85174984	N/A	12/03/1998	Active	JL54
Duplex Dudley Avenue - Lot "F"	709	Dudley Avenue	0.28	0.07	T56.1	Private	General Infiltration Practices	0.28	-76.247	36.94275246	Yes	12/21/1994	Active	CB26
Park Place Central	601	35th Street	0.26	0.15	T566.1	Private	Detention Basin	0.269	-76.2907	36.87790419	Yes	08/02/2001	Active	JL56
Lot E Bay Oaks Place		E Ocean View Avenue	0.17	0.06	T571.1	Private	General Infiltration Practices	0.04	-76.2125	36.9355258	No	01/01/2000	Active	CB26
Fire Station	7924	Camellia Road	0.8	0.3	S31.1	Public	Grassed Swale	0.051	-76.1999	36.91857153	Yes	01/01/1999	Active	CB26
Kramer Tire	1371	Azalea Garden Road	3.1	2.47	T577.1	Private	Detention Basin	1.11	-76.236	36.86512427	Yes	09/17/1998	Active	JL54
Bay Oaks Place (NRHA)	2301	Bay Oaks Place	1.14	0.91	T58.1	Public	General Infiltration Practices	0.89	-76.2123	36.93506831	Yes	12/29/1994	Active	CB26
First Va Bank of Tidewater	2222	E Little Creek Road	2.35	1.7	T589.1	Private	Retention Basin	2.35	-76.2215	36.9161196	Yes	04/19/2000	Active	JL56
Amelia Building at Koger Center	885	Kempsville Road	10.71	8	T591.1	Private	Retention Basin	9.7	-76.1949	36.85362137	Yes	06/11/1998	Active	JL54
Mount Pleasant Baptist Church Parl	944	Baltimore Street	0.25	0.18	T593.1	Private	Detention Basin	0.265	-76.2917	36.91694737	Yes	07/13/1999	Active	JL57
United Way	2515	Walmer Avenue	1.55	1.02	T598.1	Private	Detention Basin	1.29	-76.2248	36.87738926	Yes	12/13/1999	Active	JL54
Dr. Hamlin Parking Lot	1806	Hampton Boulevard	0.2991	0.25	T61.1	Private	Detention Basin	0.2991	-76.3009	36.87058003	Yes	09/08/1994	Active	JL56
Duplex	6400	Chesapeake Boulevard	0.13	0.06	T612.1	Private	General Infiltration Practices	0.131	-76.2384	36.8967097	Yes	02/29/2000	Active	CB26
H.B. Hunter Parking Lot	2814	Cromwell Road	1.97	1.92	T614.1	Private	General Infiltration Practices	0.657	-76.2511	36.87306799	Yes	01/01/1999	Active	JL56
BB&T	131	W Ocean View Avenue	0.53	0.41	T616.1	Private	General Infiltration Practices	0.4	-76.2526	36.9550718	Yes	03/06/2000	Active	CB26
Mariner's Watch Apartments -Phas	740	Mariners Way	7.22	3.32	T627.1	Private	General Infiltration Practices	0.56	-76.2472	36.93982795	Yes	04/01/1999	Active	CB26
Berkley Basketball Court	706	WALKER AVENUE	0.16	0.07	09-0015.1	Public	General Infiltration Practices	0.12	-76.2775	36.8286339	No	12/12/2017	Active	JL53
Applebee's - Janaf Shopping Center	5750	E VIRGINIA BEACH BOULEVAR	1.44	1	T64	Private	Detention Basin	0.91	-76.2078	36.8572427	No	01/01/1995	Active	CB26
Willoughby Bluff Condos	264	W Ocean View Avenue	0.086	0.057	T643.1	Private	General Infiltration Practices	0.086	-76.2554	36.95757591	Yes	05/02/2000	Active	JL57
Costco Gas Station	850	Glenrock Road	1.51	1.29	T644	Private	Manufactured BMP Systems	1.24	-76.1998	36.85074109	Yes	12/02/1999	Active	JL54
Combined McKann Ave. Facility	2205	McKann Avenue	4.22	4.01	S32.1	Public	Retention Basin	4.22	-76.2556	36.86178947	Yes	01/01/1999	Active	JL56
Cedar Grove Parking Lot	207	E Princess Anne Road	0	0	S33.1	Public	Detention Basin	10.36	-76.2866	36.86019606	No	01/01/1994	Active	JL56
Todd Marine Electrical Supply	3411	Progress Road	1.47	1.05	T660.1	Private	Detention Basin	0.473	-76.2413	36.86125511	Yes	01/29/1999	Active	JL54
Calvert Square Site Improvements	900	Bagnall Road	0	0	T663.1	Private	General Infiltration Practices	0.14	-76.2766	36.85356378	No	01/01/1999	Active	JL56
Calz Pizza	728	E Bayview Boulevard	0.46	0.39	T678.1	Private	Grassed Swale	0.24	-76.245	36.93412136	Yes	01/01/2000	Active	CB26
Pope Avenue Street Improvements	1740	Pope Avenue	2.9	1.2	S34.1	Public	Manufactured BMP Systems	2.34	-76.267	36.873969	No	01/01/1996	Active	JL56
First Baptist Church of Lamberts Po	1268	38th Street	0.94	0.59	T698.1	Private	General Infiltration Practices	0.59	-76.3054	36.88034578	No	09/18/2002	Active	JL56
Liberty Tax Service	7931	Shore Drive	0.24	0.13	T699.1	Private	Grassed Swale	0.19	-76.1931	36.91927191	Yes	05/13/2004	Active	CB26
Pizzeria Uno	5700	E Virginia Beach Boulevard	2.05	1.73	T70.1	Private	Retention Basin	1.8	-76.2083	36.85720334	Yes	01/01/1996	Active	JL54
Bazemore's	1170	Lexan Avenue	0.83	0.63	T705.1	Private	Manufactured BMP Systems	0.39	-76.3029	36.9005717	Yes	08/27/2001	Active	JL56
Plume Ln. Parking Garage	545	E PLUME STREET	0.87	0.9	S35.1	Public	Manufactured BMP Systems	0.87	-76.2867	36.84631421	No	01/01/2000	Active	JL54
Riverside Commerce Center I	120	Corporate Boulevard	6.65	5.18	T719.1	Private	Retention Basin	6.65	-76.2144	36.84116115	Yes	11/14/2000	Active	JL54

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Glad Tidings Church	301	S NEWTOWN ROAD	10	2.63	T731.1	Private	General Infiltration Practices	0.384	-76.1944	36.83456267	Yes	01/01/2000	Active	JL54
Almeda Business Center	2500	Almeda Avenue	6.59	0.26	T744.1	Private	Grassed Swale	6.59	-76.2135	36.88026211	Yes	01/01/2000	Active	JL54
Airport Long Term Parking	2200	Norview Avenue	3.49	2.95	T746.1	Private	Grassed Swale	1.12	-76.2046	36.89494902	No	05/02/2000	Active	CB26
Cox Communications	4573	Village Avenue	0.08	0.06	T747.1	Private	General Infiltration Practices	0.075	-76.2309	36.86266074	Yes	01/01/2000	Active	JL54
Norfolk Academy	1585	Wesleyan Drive	65	1.56	T748.1	Private	Retention Basin	1.643	-76.1948	36.87219254	No	04/01/2005	Active	JL54
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.1	Private	General Infiltration Practices	0.143	-76.2718	36.94301185	Yes	02/03/1995	Active	JL57
Turbo Wash Dry Cleaners	4311	Colley Avenue	0.23	0.12	T755.1	Private	General Infiltration Practices	0.133	-76.2951	36.88424156	Yes	02/28/2000	Active	JL56
Popeye's Chicken and Biscuits	5850	E VIRGINIA BEACH BOULEVAR	0.95	0.67	T766.1	Private	Detention Basin	0.297	-76.204	36.856141	No	02/25/2000	Active	JL54
Consolidated McKann Ave Facility	2233	Mckann Avenue	1.12	0.9	S36.1	Public	Manufactured BMP Systems	4.22	-76.2546	36.86174226	No	01/01/2000	Active	JL56
Arcet Equipment Co.	304	E 25th Street	1.72	1.19	T769.1	Private	Manufactured BMP Systems	1.39	-76.281	36.86978503	Yes	12/12/2000	Active	JL56
Excel Paving Corporation	1132	Harmony Road	0.3	0.25	T770.1	Private	Detention Basin	0.31	-76.2174	36.86107699	Yes	05/10/2000	Active	JL54
Duplex	248	W Freemason Street	0.45	0.37	T776.1	Private	General Infiltration Practices	0.054	-76.2932	36.85225636	Yes	10/11/2000	Active	JL54
Parking Lot	2129	Vincent Avenue	0.52	0.13	T792.1	Private	General Infiltration Practices	0.52	-76.2511	36.86064886	Yes	01/01/2001	Active	JL56
Greek Orthodox Church	7220	Granby Street	0.46	0.33	T86.1	Private	Grassed Swale	0.144	-76.2734	36.90856427	No	10/06/1994	Active	JL56
FBI Building - Riverside Corporate C	150	CORPORATE BOULEVARD	4.04	2.56	T91.1	Private	Detention Basin	1.92	-76.2125	36.8392854	No	02/14/1994	Active	JL54
Barry's Performance Car Shop	2131	Cromwell Road	0.57	0.14	T93.1	Private	General Infiltration Practices	0.57	-76.2487	36.86173904	Yes	06/09/1994	Active	JL54
NRHA CMD Facility	910	Ballentine Boulevard	0.12	0.12	T99.1	Private	General Infiltration Practices	0.12	-76.2451	36.84932022	Yes	10/06/1994	Active	JL54
Fresenius Medical Center Expansior	5621	TIDEWATER DRIVE	3.01	1.38	08-0050.1	Private	Bioretention Basins	0.43	-76.2593	36.890629	Yes	05/01/2009	Active	JL56
Fresenius Medical Center Expansior	5621	TIDEWATER DRIVE	3.01	1.38	08-0050.2	Private	Bioretention Basins	0.3	-76.26	36.89043313	Yes	05/01/2009	Active	JL56
Fresenius Medical Center Expansior	5621	TIDEWATER DRIVE	3.01	1.38	08-0050.3	Private	Bioretention Basins	0.09	-76.2596	36.88992686	Yes	05/01/2009	Active	JL56
Laundromat	5812	POPLAR HALL DRIVE	1.005	0.764	07-0110.1	Private	Detention Basin	0.463	-76.209	36.84901115	Yes	11/17/2009	Active	JL54
Laundromat	5812	POPLAR HALL DRIVE	1.005	0.764	07-0110.2	Private	Detention Basin	0.463	-76.2089	36.84943612	Yes	11/17/2009	Active	JL54
Duplex	9542	18TH BAY STREET	0.28	0.14	08-0046.1	Private	Detention Basin	0.28	-76.1967	36.92820916	Yes	03/17/2009	Active	CB26
Village Garden Senior Housing	1228	W 39TH STREET	1.058	0.51	08-0056.3	Private	General Infiltration Practices	0.113	-76.3039	36.8803372	Yes	11/12/2010	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.058	0.51	08-0056.4	Private	General Infiltration Practices	0.113	-76.3033	36.88037582	Yes	11/12/2010	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.058	0.51	08-0056.5	Private	Bioretention Basins	0.29	-76.3038	36.88012265	Yes	11/12/2010	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.058	0.51	08-0056.1	Private	General Infiltration Practices	0.113	-76.3035	36.88072338	Yes	11/12/2010	Active	JL56
Village Garden Senior Housing	1228	W 39TH STREET	1.058	0.51	08-0056.2	Private	General Infiltration Practices	0.113	-76.3032	36.88070622	Yes	11/12/2010	Active	JL56
Retail / Offices	2201	COLONIAL AVENUE	1.592	1.433	08-0009.1	Private	General Infiltration Practices	0.339	-76.292	36.87080533	No	07/23/2008	Active	JL56
Retail / Offices	2201	COLONIAL AVENUE	1.592	1.433	08-0009.2	Private	General Infiltration Practices	0.257	-76.2915	36.87023242	No	07/23/2008	Active	JL56
Retail / Offices	2201	COLONIAL AVENUE	1.592	1.433	08-0009.3	Private	General Infiltration Practices	0.737	-76.2922	36.87042125	No	07/23/2008	Active	JL56
Norview Community Center	6380	SEWELLS POINT ROAD	3.62	2.21	S48.2	Public	General Infiltration Practices	0.001	-76.2394	36.89608295	No	01/19/2008	Active	JL56
Dunkin Donuts	3901	HAMPTON BOULEVARD	0.446	0.321	08-0055.1	Private	Bioretention Basins	0.446	-76.3029	36.88101516	Yes	12/02/2009	Active	JL56
Endtime United Chruch of Jesus Chr	7416	EVELYN T BUTTS AVENUE	0.56	0.36	03.0312.2	Private	General Infiltration Practices	0.2815	-76.2425	36.91029286	Yes	10/20/2005	Active	JL56
Mt. Gilead Baptist Church	1057	Kennedy Street	0.402	0.291	00-4298.2	Private	General Infiltration Practices	0.201	-76.2425	36.90597989	Yes	09/11/2001	Active	JL56
Walmart @ Military Hwy	1170	N MILITARY HIGHWAY	0	0	02-0174.2	Private	Manufactured BMP Systems	6.41	-76.208	36.8619311	Yes	08/03/2005	Active	JL54
H.B. Hunter Parking Lot	2814	Cromwell Road	1.97	1.92	T614.2	Private	General Infiltration Practices	0.657	-76.251	36.87276544	Yes	01/01/1999	Active	JL56
H.B. Hunter Parking Lot	2814	Cromwell Road	1.97	1.92	T614.3	Private	General Infiltration Practices	0.657	-76.2509	36.87233845	Yes	01/01/1999	Active	JL56
Red Cross Parking Lot	611	W BRAMBLETON AVENUE	215	0.168	07-0104.1	Private	Manufactured BMP Systems	0.215	-76.3016	36.85643255	Yes	01/01/2010	Active	JL56
Red Cross Parking Lot	611	W BRAMBLETON AVENUE	215	0.168	07-0104.2	Private	Manufactured BMP Systems	0.55	-76.3016	36.85644935	Yes	01/01/2010	Active	JL56
Single Family Condominium	1539	BIRCH STREET	0.11	0.06	07-0062.1	Private	General Infiltration Practices	0.11	-76.2363	36.86797076	Yes	07/31/2009	Active	JL54
Mulit-Family Housing Unit	1516	NEVADA AVENUE	0.37	0.19	08-0023.1	Private	Bioretention Basins	0.37	-76.2416	36.864777	Yes	07/23/2010	Active	JL54
Norview Middle School	6325	Sewells Point Road	16	4.65	NPS01.2	School	Extended Detention Basin	5.96	-76.2407	36.89356075	Yes	08/31/1993	Active	JL56
Granby High School Renovations	7101	Granby Street	21.7	9.22	NPS05.2	School	General Infiltration Practices	0.11	-76.277	36.90823184	Yes	02/29/2000	Active	JL56
Granby High School Renovations	7101	Granby Street	21.7	9.22	NPS05.3	School	General Infiltration Practices	1.26	-76.28	36.90670052	Yes	02/29/2000	Active	JL56
Granby High School Renovations	7101	Granby Street	21.7	9.22	NPS05.4	School	General Infiltration Practices	5.19	-76.2765	36.908086	Yes	02/29/2000	Active	JL56
Dairy Queen/Zero Subs	1520	Colley Avenue	0.32	0.19	T367.2	Private	General Infiltration Practices	0.162	-76.2975	36.86839134	No	03/31/1997	Active	JL56
Gifford Office	1547	E LITTLE CREEK ROAD	1.55	1.2	05.0023.2	Private	General Infiltration Practices	0.7735	-76.2318	36.91632547	Yes	12/01/2006	Active	CB26
Heritage Bank & Trust	4815	Colley Avenue	0.41	0.29	T457.2	Private	General Infiltration Practices	0.083	-76.2954	36.88782024	Yes	04/25/1997	Active	JL56
Todd Marine Electrical Supply	3411	Progress Road	1.47	1.05	T660.2	Private	Detention Basin	0.299	-76.2417	36.86086239	Yes	01/29/1999	Active	JL54
Todd Marine Electrical Supply	3411	Progress Road	1.47	1.05	T660.3	Private	Detention Basin	0.197	-76.2415	36.86049757	Yes	01/29/1999	Active	JL54
Barry's Performance Car Shop	2131	Cromwell Road	0.57	0.14	T93.2	Private	General Infiltration Practices	0.121	-76.2485	36.86175835	Yes	06/09/1994	Active	JL54

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Jacox Elementary School Bus Loop	1300	Marshall Avenue	1.37	0.4	NPS14.2	School	General Infiltration Practices	0.685	-76.2653	36.85643288	Yes	10/04/2005	Active	JL56
Union Chapel A.M.E. Church	1200	Saint Julian Avenue	0.65	0.5	T38.2	Private	General Infiltration Practices	0.217	-76.2668	36.86084308	Yes	01/25/1996	Active	JL56
Union Chapel A.M.E. Church	1200	Saint Julian Avenue	0.65	0.5	T38.3	Private	General Infiltration Practices	0.217	-76.267	36.86128087	Yes	01/25/1996	Active	JL56
Duplex	2617	Minnesota Avenue	0.81	0.44	06-0045.2	Private	Bioretention Basins	0.52	-76.2455	36.8709094	Yes	03/18/2008	Active	JL56
Saint Pauls COGIC	1615	Isaac Street	1.08	0	02-0007.2	Private	General Infiltration Practices	0.083	-76.2655	36.8258356	Yes	12/10/2007	Active	JL54
Saint Pauls COGIC	1615	Isaac Street	1.08	0	02-0007.3	Private	General Infiltration Practices	0.227	-76.2659	36.82610183	Yes	12/10/2007	Active	JL54
Duplex	9612	Grove Avenue	0.26	0.08	05-0090.2	Private	General Infiltration Practices	0.13	-76.2261	36.93795145	Yes	02/19/2008	Active	CB26
Duplex	248	W Freemason Street	0.45	0.37	T776.2	Private	General Infiltration Practices	0.054	-76.2931	36.85226012	Yes	10/11/2000	Active	JL56
Townhomes	1407	Colonial Avenue	0.17	0.14	04-0132.2	Private	General Infiltration Practices	0.36	-76.2938	36.86535817	Yes	08/02/2006	Active	JL56
Duplex	1271	W Ocean View Avenue	0	0	01-0165.2	Private	General Infiltration Practices	0	-76.2873	36.96692656	Yes	06/13/2005	Active	CB26
Duplex	9547	10TH BAY STREET	0.3	0.08	04-0012.2	Private	General Infiltration Practices	0.151	-76.2067	36.93055051	Yes	01/19/2007	Active	CB26
Duplex - Residental houses	4114	Pretty Lake Avenue	0.15	0.07	05-0100.2	Private	General Infiltration Practices	0.056	-76.193	36.92632659	Yes	03/08/2006	Active	CB26
Duplex	9640	13th View Street	0.058	0.07	03-0323.2	Private	General Infiltration Practices	0.058	-76.2879	36.96620221	Yes	03/31/2006	Active	JL57
Virginia Wesleyan College - Physical	1584	Wesleyan Drive	6.83	0.29	92067.053.	Private	Extended Detention Basin	4.33	-76.191	36.87075491	Yes	02/25/1991	Active	JL54
Covenant Presbyterian Church	913	Covenant Street	0.56	0.56	T448.2	Private	Detention Basin	0.27	-76.2642	36.8510845	Yes	03/20/1998	Active	JL54
First Church of God	8600	Granby Street	1.7	1.07	07-0047.2	Private	General Infiltration Practices	0.12	-76.264	36.93458982	Yes	04/14/2009	Active	JL57
Harbor Park- Deck Addition	150	PARK AVENUE	0.06	0.06	08-0094.1	Private	Manufactured BMP Systems	0.06	-76.2789	36.84250312	Yes	03/31/2009	Active	JL54
Duplex	9515	15TH BAY STREET	0.318	0.105	08-0099.1	Private	Grassed Swale	0.282	-76.2011	36.92798617	Yes	09/22/2009	Active	CB26
Land & Coates	830	POPLAR HALL DRIVE	1.05	0.76	08-0096.1	Private	Detention Basin	0.86	-76.1967	36.85308052	Yes	05/12/2010	Active	JL54
Thermcor, Inc.	2601	COLLEY AVENUE	0.58	0.37	08-0081.1	Private	Grassed Swale	0.07	-76.2957	36.8748	Yes	12/15/2009	Active	JL56
Broad Creek Villas	2951	WOODLAND AVENUE	1.1	0.74	08-0042.1	Private	Extended Detention Basin	0.5505	-76.2515	36.853051	Yes	01/01/2009	Active	JL54
Broad Creek Villas	2951	WOODLAND AVENUE	1.1	0.74	08-0042.2	Private	Extended Detention Basin	0.5505	-76.2515	36.852757	Yes	01/01/2009	Active	JL54
THR Park	801	E 25th Street	1.03	0.81	04-0036.2	Private	Manufactured BMP Systems	0.254	-76.2763	36.8694417	Yes	05/06/2009	Active	JL56
Jack Rabbit Self-Storage	8710	HAMPTON BOULEVARD	1.42	1.05	06-0115.2	Private	Grassed Swale	1	-76.313	36.93213281	Yes	04/21/2008	Active	CB26
FBI Building - Riverside Corporate C	150	CORPORATE BOULEVARD	4.04	2.56	T91.2	Private	Retention Basin	1.92	-76.2135	36.84002169	No	02/14/1994	Active	JL54
Baywalk Townhouses	9637	Capeview Avenue	0.48	0.293	04-0133.2	Private	General Infiltration Practices	0.24	-76.2234	36.93781425	Yes	04/19/2006	Active	CB26
Quarles Petroleum, Inc.	4545	PROGRESS ROAD	1.35	0	01-0009.2	Private	Manufactured BMP Systems	1.277	-76.2331	36.86410925	Yes	07/13/2001	Active	JL54
Duplex	980	W Ocean View Avenue	0.14	0.09	03-0315.2	Private	General Infiltration Practices	0.076	-76.2774	36.96705911	Yes	04/22/2005	Active	CB26
Duplex	980	W Ocean View Avenue	0.14	0.09	03-0315.3	Private	General Infiltration Practices	0.043	-76.2774	36.96690549	Yes	04/22/2005	Active	CB26
McKann Ave Street Expansion	2521	MCKANN AVENUE	1.55	0.59	S44.2	Public	Manufactured BMP Systems	0.52	-76.2549	36.86599872	Yes	04/28/2009	Active	JL56
Christ the King Catholic School	3401	Tidewater Drive	0.82	0.5	03-0034.2	Private	General Infiltration Practices	0.2	-76.2627	36.88186476	Yes	04/26/2006	Active	JL56
Gethsemane Community Fellowship	1317	E BRAMBLETON AVENUE	0.81	0.56	S-03-0065.	Private	General Infiltration Practices	0.31	-76.2731	36.84749795	Yes	09/15/2005	Active	JL54
Lake Wright Executive Center	5701	Lake Wright Drive	43	35	98-3611.2	Private	Retention Basin	12.25	-76.2097	36.87934598	No	01/01/2000	Active	CB26
Lake Wright Executive Center	5701	Lake Wright Drive	43	35	98-3611.3	Private	Retention Basin	5.32	-76.2044	36.87814449	No	01/01/2000	Active	CB26
B'nai Israel Congregation	420	Spotswood Avenue	1.04	0.63	00-4301.2	Private	General Infiltration Practices	0.219	-76.2915	36.86663604	No	10/30/2001	Active	JL56
East Beach Marine	4521	Pretty Lake Avenue	1.62	1.28	T543.2	Private	General Infiltration Practices	0.34	-76.1887	36.92526843	No	06/13/2005	Active	CB26
Parking Lot	817	BRANDON AVENUE	0.46	0.29	08-0103.2	Private	General Infiltration Practices	0.143	-76.2981	36.86892242	Yes	01/01/2009	Active	JL56
Mission College Clubhouse	1300	LEAD STREET	2.77	1.38	09-0014.1	Private	Detention Basin	0.19	-76.2629	36.85523961	Yes	01/08/2010	Active	JL56
Duplex	9537	11TH BAY STREET	0.34	0.19	06-0046.1	Private	General Infiltration Practices	0.147	-76.2054	36.93027393	Yes	05/02/2008	Active	CB26
Parking Lot	817	BRANDON AVENUE	0.46	0.29	08-0103.3	Private	General Infiltration Practices	0.146	-76.2982	36.86876041	Yes	01/01/2009	Active	JL56
Duplex - Lot 5 blk 3	1020	HILLSIDE AVENUE	0.17	0.1	05-0061.2	Private	General Infiltration Practices	0.086	-76.2403	36.94615276	Yes	05/07/2008	Active	CB26
Duplex - Lot 6 blk3	1016	Hillside Avenue	0.17	0.1	05-0062.2	Private	General Infiltration Practices	0.086	-76.2403	36.94631953	Yes	05/07/2008	Active	CB26
Duplex - Lot 7 blk 3	1012	Hillside Avenue	0.17	0.1	05-0063.2	Private	General Infiltration Practices	0.086	-76.2405	36.94649102	Yes	05/07/2008	Active	CB26
Arcet Equipment Co.	304	E 25th Street	1.72	1.19	T769.2	Private	Grassed Swale	0.327	-76.2816	36.87033434	Yes	12/12/2000	Active	JL56
Grantham Square	7610	RESTMERE ROAD	1.06	0.49	06-0117.2	Private	General Infiltration Practices	0.5302	-76.2815	36.916113	Yes	04/09/2008	Active	JL57
Floor Busters	845	W 40TH STREET	0.149	0.104	08-0047.2	Private	Vegetated Filter Strip	0.038	-76.297	36.88136	No	01/06/2011	Active	JL56
The Va Arts Festival	440	BANK STREET	0.4	0.33	08-0040.2	Private	Manufactured BMP Systems	0.54	-76.2865	36.85124976	No	09/16/2009	Active	JL56
Walmart @ Tidewater	7530	TIDEWATER DRIVE	37.9	32.52	05-0074.2	Private	Manufactured BMP Systems	5.69	-76.2525	36.91153459	Yes	03/16/2007	Active	JL56
Duplex	516	ASHLAWN DRIVE	0.17	0.09	06-0069.2	Private	General Infiltration Practices	3	-76.2577	36.91830908	Yes	04/11/2008	Active	JL57
Duplex	544	Ashlawn Drive	0.16	0.09	06-0070.2	Private	General Infiltration Practices	0.0825	-76.2564	36.91791236	Yes	04/11/2008	Active	JL57
Walter H. Taylor Elementary School	1410	Claremont Avenue	4.03	1.5	NPS07.2	School	General Infiltration Practices	0.24	-76.3041	36.86931939	Yes	08/20/2001	Active	JL56
Walter H. Taylor Elementary School	1410	Claremont Avenue	4.03	1.5	NPS07.3	School	General Infiltration Practices	0.38	-76.3039	36.86945887	Yes	08/20/2001	Active	JL56

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Rite Aid Regional Office	5315	HENNEMAN DRIVE	0.75	0.5	T516.1	Private	General Infiltration Practices	0.75	-76.2222	36.87568138	No	08/01/2001	Active	JL54
Lumber Liquidators	416	CAMPOSTELLA ROAD	0.97	0.73	09-0002.1	Private	Manufactured BMP Systems	0.66	-76.263	36.835651	Yes	05/07/2010	Active	JL54
Claremont Commons	1201	Redgate Avenue	0.34	0.23	04-0045.2	Private	Manufactured BMP Systems	0.22	-76.3073	36.86639439	No	07/22/2005	Active	JL56
Bolling Square Apartments Phase I	919	BOLLING AVENUE	7.22	4.94	03-0280.2	Private	Bioretention Basins	0.376	-76.2962	36.892269	Yes	08/28/2006	Active	JL56
Cape Henry Subdivision	3651	Cape Henry Avenue	4	1.89	05-0008.2	Private	Detention Basin	1.762	-76.2415	36.86658839	Yes	05/14/2007	Active	JL56
Cape Henry Subdivision	3651	Cape Henry Avenue	4	1.89	05-0008.3	Private	Grassed Swale	2.72	-76.2422	36.86607283	Yes	05/14/2007	Active	JL56
Grandy Village Community Center	2971	Kimball Loop	4.96	1.27	08-0079.1	Public	Bioretention Basins	0.53	-76.2501	36.84112074	Yes	06/18/2010	Active	JL54
Grandy Village Community Center	2971	Kimball Loop	4.96	1.27	08-0079.2	Public	Bioretention Basins	0.46	-76.2501	36.84112074	Yes	06/18/2010	Active	JL54
Grandy Village Community Center	2971	Kimball Loop	4.96	1.27	08-0079.3	Public	Bioretention Basins	0.43	-76.2508	36.84046168	Yes	06/18/2010	Active	JL54
ODU University Village	1054	47TH STREET	69.03	58.68	S39.1	Public	Retention Basin	69.03	-76.3008	36.88638719	N/A	08/20/2004	Active	JL56
Duplex Lot Y	1529	Nevada Avenue	0.1539	0.0687	08-0090.1	Private	Bioretention Basins	0.154	-76.2422	36.86501268	Yes	09/29/2010	Active	JL54
Duplex Lot X	1533	NEVADA AVENUE	0.15	0.066	08-0091.1	Private	Bioretention Basins	0.077	-76.2422	36.865151	Yes	12/01/2010	Active	JL54
The Beauty Parlor	767	GRANBY STREET	0.043	0.039	08-0078.1	Private	Manufactured BMP Systems	0.043	-76.2886	36.85625689	No	01/05/2011	Active	JL56
Norfolk Airport Garage	2200	NORVIEW AVENUE	87.84	62.3664	09-0020.1	Private	Retention Basin	87.84	-76.2088	36.89983115	Yes	01/01/2011	Active	CB26
Woodard Office Building	2511	WALMER AVENUE	1.01	0.707	01-0192.2	Private	General Infiltration Practices	0.503	-76.2242	36.87606973	Yes	05/15/2002	Active	CB26
Picadily Mews	6370	TRAFALGAR COURT	2	1.33	02-0193.2	Private	Grassed Swale	1.34	-76.2326	36.89697997	Yes	08/10/2005	Active	CB26
Public Storage	854	WIDGEON ROAD	3.774	3.013	04-0030.2	Private	Extended Detention Basin	1.887	-76.2543	36.90357987	Yes	05/10/2005	Active	JL56
Townhomes	2400	AZALEA GARDEN ROAD	0.804	0.412	06-0129.2	Private	Detention Basin	0.402	-76.231	36.87235562	Yes	05/14/2008	Active	CB26
Central Business Park	910	Denison Avenue	31	23	99-3931.2	Public	Retention Basin	5	-76.2506	36.90823399	No	01/01/2003	Active	JL56
Central Business Park	910	Denison Avenue	31	23	99-3931.3	Public	Grassed Swale	18	-76.2478	36.90835623	No	01/01/2003	Active	JL56
OSAGE	2618	COLLEY AVENUE	0.52	0.3	09-0031.1	Private	Grassed Swale	0.52	-76.2949	36.874544	Yes	01/01/2010	Active	JL56
4206 Pretty Lake two family	4206	Pretty Lake Avenue	0.24	0.1	08-0073.1	Private	General Infiltration Practices	0.24	-76.1917	36.92679831	Yes	11/09/2010	Active	CB26
Lake Taylor Hospital additions	1309	KEMPSVILLE ROAD	16.99	7.7	09-0033.1	Private	Retention Basin	2.88	-76.2063	36.86556203	Yes	02/03/2014	Active	JL54
Duplex	1505	E OCEAN VIEW AVENUE	0.37	0.18	09-0040.1	Private	General Infiltration Practices	0.185	-76.2305	36.940882	Yes	06/06/2008	Active	CB26
Duplex	1505	E OCEAN VIEW AVENUE	0.37	0.18	09-0040.2	Private	General Infiltration Practices	0.185	-76.2306	36.940937	Yes	06/06/2008	Active	CB26
Duplex	9508	5TH BAY STREET	0.16	0.51	04-0008.2	Private	General Infiltration Practices	0.0349	-76.2122	36.93055373	Yes	01/22/2007	Active	CB26
2nd Patrol Division	901	Asbury Avenue	6.5	3.19	S53.1	Public	General Infiltration Practices	7.74	-76.2514	36.90984034	Yes	09/01/2011	Active	CB26
Oakleaf Forest	1576	CAMPOSTELLA ROAD	16.22	10.4	09-0024.1	Private	Manufactured BMP Systems	5.14	-76.2577	36.82958478	Yes	01/01/2011	Active	JL53
Lot 24 8037 Ransom Road	8037	RANSOM ROAD	0.23	0.07	08-0063.1	Private	Bioretention Basins	0.16	-76.1945	36.920417	Yes	12/11/2017	Active	CB26
Lot 27 8025 Ransom Road	8025	RANSOM ROAD	0.23	0.07	08-0060.1	Private	Bioretention Basins	0.17	-76.1948	36.92067798	Yes	08/25/2015	Active	CB26
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	Active	CB26
Building Addition at Circle South	835	Glenrock Road	1.09	0.76	07-0127.2	Private	Manufactured BMP Systems	0.545	-76.2011	36.85158482	Yes	11/12/2009	Active	JL54
Freemason St. Baptist Church	400	E FREEMASON STREET	1.86	1.23	07-0007.1	Private	General Infiltration Practices	8.19	-76.2864	36.8500929	No	12/30/2009	Active	JL56
Sunset Shores	1900	ARLINGTON AVENUE	4.62	0.96	03-0009.1	Private	Manufactured BMP Systems	4.62	-76.2597	36.83640615	Yes	11/19/2005	Active	JL53
Duplex	3206	PRETTY LAKE AVENUE	0.17	0.09	03-0308.2	Private	Detention Basin	0.172	-76.204	36.92931146	No	07/29/2005	Active	CB26
Harris Teeter Store 378	1320	COLONIAL AVENUE	3.106	2.63	08-0072.1	Private	Manufactured BMP Systems	0.35	-76.2921	36.86493543	No	11/03/2011	Active	JL56
Sentara Parking Garage Expansion	801	COLLEY AVENUE	1.27	0.99	07-0042.2	Private	Grassed Swale	0.317	-76.3004	36.86346118	Yes	04/30/2010	Active	JL56
Sentara Parking Garage Expansion	801	COLLEY AVENUE	1.27	0.99	07-0042.3	Private	Grassed Swale	0.317	-76.3005	36.86346333	Yes	04/30/2010	Active	JL56
Fort Norfolk Plaza	301	RIVERVIEW AVENUE	3.06	2.54	08-0038.1	Private	Manufactured BMP Systems	0.39	-76.3072	36.861453	Yes	06/02/2010	Active	JL56
Fort Norfolk Plaza	301	RIVERVIEW AVENUE	3.06	2.54	08-0038.2	Private	Manufactured BMP Systems	0.25	-76.3064	36.86026	Yes	06/02/2010	Active	JL56
Fort Norfolk Plaza	301	RIVERVIEW AVENUE	3.06	2.54	08-0038.3	Private	Manufactured BMP Systems	0.55	-76.3069	36.86048	Yes	06/02/2010	Active	JL56
Fort Norfolk Plaza	301	RIVERVIEW AVENUE	3.06	2.54	08-0038.4	Private	Manufactured BMP Systems	0.52	-76.3068	36.859861	Yes	06/02/2010	Active	JL56
Building Addition at Circle South	835	Glenrock Road	1.09	0.76	07-0127.3	Private	Manufactured BMP Systems	0.001	-76.2005	36.85125398	Yes	11/12/2009	Active	JL56
River House Apartments	4233	LLEWELLYN AVENUE	5.65	4.4	07-0073.2	Private	Manufactured BMP Systems	0.21	-76.2815	36.88754994	Yes	01/04/2010	Active	JL56
EVMS Parking Garage Addition	745	FAIRFAX AVENUE	0.61	0.51	09-0050	Private	Manufactured BMP Systems	0.61	-76.3037	36.8599396	Yes	09/01/2011	Active	JL56
First Baptist Church of Berkley Expa	706	E BERKLEY AVENUE	0.9	0.72	09-0027.1	Private	Bioretention Basins	0.17	-76.2773	36.829838	Yes	12/13/2010	Active	JL54
First Baptist Church of Berkley Expa	706	E BERKLEY AVENUE	0.9	0.72	09-0027.2	Private	Bioretention Basins	0.1	-76.2771	36.829958	Yes	12/13/2010	Active	JL54
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.1	Private	Bioretention Basins	0.41	-76.2844	36.864436	Yes	01/04/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.2	Private	Bioretention Basins	0.13	-76.2836	36.864472	Yes	01/04/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.3	Private	Bioretention Basins	0.18	-76.2829	36.864451	Yes	01/04/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.4	Private	Bioretention Basins	0.34	-76.2822	36.864576	Yes	01/04/2012	Active	JL56
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.5	Private	Bioretention Basins	0.15	-76.2817	36.86465	Yes	07/25/2012	Active	JL56

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
HRT Bus Maint. Facility	509	18TH STREET	9.72	8.44	09-0029.6	Private	Bioretention Basins	0.15	-76.2813	36.864675	Yes	07/25/2012	Active	JL56
Grandy Village Site Improvements	601	WILEY DRIVE	19.32	11.43	09-0049.1	Private	Bioretention Basins	19.32	-76.2482	36.84099195	Yes	01/01/2010	Active	JL54
Fox Hall Place	1570	ASPIN STREET	0.18	0.11	09-0071.1	Private	General Infiltration Practices	0.17	-76.2317	36.86971636	Yes	01/01/2010	Active	JL54
Lamberts Point 26th St. Improveme	1241	W 26TH STREET	2.85	1.71	09-0072.1	Public	Manufactured BMP Systems	0.37	-76.3044	36.87701164	N/A	01/01/2011	Active	JL56
Blessed Sacrament Church addition	6400	NEWPORT AVENUE	4.52	2.18	10-0004.1	Private	Bioretention Basins	0.28	-76.2818	36.90132992	No	08/16/2010	Active	JL56
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.1	Private	Manufactured BMP Systems	0.345	-76.2902	36.83553233	Yes	09/01/2011	Active	JL53
Mulit-Family Housing Unit	1516	NEVADA AVENUE	0.37	0.19	08-0023.2	Private	Grassed Swale	0.001	-76.2414	36.864939	Yes	07/23/2010	Active	JL54
Metro Machine Parking Addition Ph	703	PEARL STREET	2.39	1.63	10-0025.1	Private	Manufactured BMP Systems	0.19	-76.2899	36.83567627	Yes	09/01/2011	Active	JL53
Filipino Independent Baptist Church	5809	CHAMBERS STREET	0.82	0.59	09-0065.1	Private	Grassed Swale	0.07	-76.2063	36.845283	Yes	02/07/2011	Active	JL54
Filipino Independent Baptist Church	5809	CHAMBERS STREET	0.82	0.59	09-0065.2	Private	General Infiltration Practices	0.3	-76.2059	36.845403	Yes	02/07/2011	Active	JL54
Mount Hermon Baptist Church Park	2967	ARGONNE AVENUE	0.207	0.126	09-0058.3	Private	Detention Basin	0.207	-76.2582	36.87426956	Yes	06/21/2010	Active	JL56
Mount Hermon Baptist Church Park	2967	ARGONNE AVENUE	0.207	0.126	09-0058.1	Private	Extended Detention Basin	0.338	-76.2578	36.87441546	Yes	06/21/2010	Active	JL56
Mount Hermon Baptist Church Park	2967	ARGONNE AVENUE	0.207	0.126	09-0058.2	Private	Detention Basin	0.254	-76.2578	36.87441546	Yes	06/21/2010	Active	JL56
Islamic Center	1442	49TH STREET	0.58	0.19	10-0050.1	Private	Bioretention Basins	0.49	-76.3109	36.887664	Yes	03/01/2012	Active	JL56
GE Mobile	4545	PATENT ROAD	9.843	2.1548	10-0045.1	Private	Other SWMF	1.3061	-76.2288	36.85755531	No	01/01/2015	Active	JL54
Solid Rock Church parking	1028	KENTON AVENUE	0.114	0.084	10-0034.1	Private	General Infiltration Practices	0.039	-76.2598	36.853308	No	04/23/2013	Active	JL54
Solid Rock Church parking	1028	KENTON AVENUE	0.114	0.084	10-0034.2	Private	General Infiltration Practices	0.045	-76.2598	36.853202	No	04/23/2013	Active	JL54
Pump Station 34 Replacement	7445	DIVEN STREET	0.056	0.032	S54.1	Public	Grassed Swale	0.031	-76.2934	36.91163753	Yes	06/08/2012	Active	JL56
Building Addition - Baker and Comp	3541	ARGONNE AVENUE	4.681	2.419	03-0267.1	Private	Extended Detention Basin	2.18	-76.2534	36.88394002	Yes	08/04/2010	Active	JL56
Widgeon Point	851	Norview Avenue	2.67	1.79	06-0110.2	Private	Manufactured BMP Systems	0.18	-76.2543	36.890145	Yes	04/08/2009	Active	JL56
Widgeon Point	851	Norview Avenue	2.67	1.79	06-0110.3	Private	Manufactured BMP Systems	0.17	-76.2542	36.889471	Yes	04/08/2009	Active	JL56
Widgeon Point	851	Norview Avenue	2.67	1.79	06-0110.4	Private	Manufactured BMP Systems	0.35	-76.2542	36.889459	Yes	04/08/2009	Active	JL56
Grand Furniture	6359	E VIRGINIA BEACH BOULEVAR	2.137	1.752	10-0052.1	Private	Retention Basin	1.8547	-76.1863	36.853106	Yes	10/27/2011	Active	JL54
Chesterfield Heights WW Pump Sta	2633	WESTMINSTER AVENUE	0.199	0.034	S55.1	Public	Bioretention Basins	0.058	-76.2575	36.84481706	Yes	01/01/2012	Active	JL54
Wawa Food Market	8105	Hampton Boulevard	1.5	1.26	05-0046.2	Private	Manufactured BMP Systems	0.2067	-76.3184	36.92661498	Yes	12/15/2006	Active	JL57
Wawa Food Market	8105	Hampton Boulevard	1.5	1.26	05-0046.3	Private	Manufactured BMP Systems	0.2067	-76.3178	36.9274302	Yes	12/15/2006	Active	JL57
Duplex	2617	Minnesota Avenue	0.81	0.44	06-0045.3	Private	Manufactured BMP Systems	0.15	-76.2455	36.8712377	Yes	03/18/2008	Active	JL56
Crossroads Elementary Rebuild	7920	TIDEWATER DRIVE	9.94	5.09	NPS22.1	School	Permeable Pavement 1	1.19	-76.2524	36.919014	N/A	08/29/2013	Active	JL57
Crossroads Elementary Rebuild	7920	TIDEWATER DRIVE	9.94	5.09	NPS22.2	School	Rainwater Harvesting	1.32	-76.2513	36.9184356	N/A	08/29/2013	Active	JL57
Blair Middle School	730	Spotswood Avenue	9.93	4.23	NPS12.2	School	Detention Basin	3.2	-76.2958	36.86926146	N/A	08/20/2008	Active	JL56
Little Creek Self Storage	1806	E Little Creek Road	1.27	1	05-0179.2	Private	Bioretention Basins	0.06	-76.2256	36.91637165	Yes	10/08/2007	Active	CB26
Meadowood Apartments	1560	INTERNATIONAL BOULEVARD	7.708	5.2	10-0059.1	Private	Retention Basin	5.24	-76.229	36.894404	Yes	12/07/2011	Active	CB26
Meadowood Apartments	1560	INTERNATIONAL BOULEVARD	7.708	5.2	10-0059.2	Private	Manufactured BMP Systems	2.47	-76.2284	36.896247	Yes	12/07/2011	Active	CB26
Parking Lot Addition	8111	SHORE DRIVE	0.37	0.22	04-0115.2	Private	Manufactured BMP Systems	0.175	-76.1929	36.92160543	Yes	04/20/2006	Active	CB26
Parking Lot Addition	8111	SHORE DRIVE	0.37	0.22	04-0115.3	Private	Manufactured BMP Systems	0.175	-76.1928	36.92164651	Yes	04/20/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.2	Private	Grassed Swale	0.404	-76.2	36.91730088	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.3	Private	Manufactured BMP Systems	0.673	-76.1994	36.917189	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.4	Private	Manufactured BMP Systems	0.673	-76.1991	36.917472	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.5	Private	Grassed Swale	0.675	-76.1992	36.91702369	Yes	11/30/2006	Active	CB26
Parktowne Apartments	7850	FLOWERFIELD ROAD	2.04	1.75	05-0188.6	Private	Manufactured BMP Systems	0.675	-76.1993	36.916987	Yes	11/30/2006	Active	CB26
Duplex	2807	PLEASANT AVENUE	0.12	0.06	04-0019.2	Private	General Infiltration Practices	0.065	-76.2078	36.93173402	Yes	06/09/2008	Active	CB26
AllSafe Self Storage	3701	E PRINCESS ANNE ROAD	4.58	3.562	03-101.2	Private	Extended Detention Basin	2.29	-76.2381	36.86389823	Yes	05/24/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.2	Private	Manufactured BMP Systems	0.27	-76.2345	36.864142	Yes	11/01/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.3	Private	Manufactured BMP Systems	0.27	-76.2342	36.86418007	Yes	11/01/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.4	Private	Manufactured BMP Systems	0.29	-76.2341	36.86425947	Yes	11/01/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.5	Private	Manufactured BMP Systems	0.14	-76.2337	36.86429595	Yes	11/01/2005	Active	JL54
Land "N" Sea	1340	AZALEA GARDEN ROAD	1.99	1.49	04-0095.6	Private	Grassed Swale	0.001	-76.2335	36.86396762	Yes	11/01/2005	Active	JL54
Nash Warehouse	1133	Kingwood Avenue	9.2	6.33	05-0165.2	Private	Manufactured BMP Systems	2.1	-76.2372	36.85613456	Yes	03/29/2006	Active	JL54
Nash Warehouse	1133	Kingwood Avenue	9.2	6.33	05-0165.3	Private	Detention Basin	5.8	-76.2391	36.85933119	Yes	03/29/2006	Active	JL54
Lamberts Point Townhouses	1208	W 26TH STREET	1.061	0.497	10-0051.1	Private	General Infiltration Practices	1.06	-76.3032	36.87685716	No	02/22/2012	Active	JL56
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.2	Private	Manufactured BMP Systems	0.189	-76.2139	36.93237712	Yes	04/03/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.3	Private	Manufactured BMP Systems	0.189	-76.2142	36.93225588	Yes	04/03/2009	Active	CB26

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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	Status	HUC
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.4	Private	Manufactured BMP Systems	0.189	-76.2142	36.93201682	Yes	04/03/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.5	Private	Manufactured BMP Systems	0.189	-76.2142	36.9319007	Yes	04/03/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.6	Private	Grassed Swale	0.263	-76.2139	36.93208329	Yes	04/03/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.7	Private	General Infiltration Practices	0.315	-76.2144	36.93228911	Yes	04/03/2009	Active	CB26
Condo	9518	3RD BAY STREET	1.75	0.71	03-0322.8	Private	General Infiltration Practices	0.315	-76.214	36.93261286	Yes	04/03/2009	Active	CB26
Police Training Center Track	2500	N MILITARY HIGHWAY	1.91	0.57	S46.2	Public	Extended Detention Basin	1.394	-76.2129	36.88093405	Yes	01/01/2007	Active	CB26
Penske Trucking	4845	BROOKSIDE COURT	7.94	4.04	07-0054.2	Private	Manufactured BMP Systems	0.5455	-76.2261	36.86368086	Yes	03/13/2009	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.2	Private	Detention Basin	0.49	-76.2103	36.87292657	Yes	11/07/2006	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.3	Private	Manufactured BMP Systems	0.22	-76.2102	36.87236354	Yes	07/01/2007	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.4	Private	Manufactured BMP Systems	0.22	-76.21	36.87287504	Yes	07/01/2007	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.5	Private	Grassed Swale	0.27	-76.2103	36.87263425	Yes	11/07/2006	Active	JL54
Cornick Place Condominiums	1405	Dure Road	0.98	0.62	06-0086.6	Private	Grassed Swale	0.27	-76.2102	36.87270306	Yes	11/07/2006	Active	JL54
Target Expansion	1245	N Military Highway	9.21	8.44	07-0103.2	Private	Manufactured BMP Systems	0.45	-76.2117	36.86525438	Yes	06/17/2008	Active	JL54
Woodlawn Memorial Gardens Fune	6329	E VIRGINIA BEACH BOULEVAR	2.91	1.68	T409.2	Private	Detention Basin	1.955	-76.1876	36.85321923	Yes	01/01/1997	Active	JL54
Lambert's Point Rec Center Parking	1251	W 42ND STREET	2.61	1.55	S57.1	Public	General Infiltration Practices	0.53	-76.3035	36.8817	No	01/01/2011	Active	JL56
New Life Worship Center	925	Briar Hill Road	2.77	0.97	04-0058.2	Private	General Infiltration Practices	0.69	-76.2157	36.85502054	Yes	08/16/2006	Active	JL54
New Life Worship Center	925	Briar Hill Road	2.77	0.97	04-0058.3	Private	Grassed Swale	0.7	-76.2157	36.85502054	Yes	01/01/2008	Active	JL54
Water's Edge	390	S MILITARY HIGHWAY	7.08	0.28	05-0113.2	Private	Bioretention Basins	2.36	-76.2091	36.83390859	Yes	01/01/2007	Active	JL54
Water's Edge	390	S MILITARY HIGHWAY	7.08	0.28	05-0113.3	Private	Bioretention Basins	2.36	-76.2094	36.83461862	Yes	01/01/2007	Active	JL54
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.2	Private	Manufactured BMP Systems	0.18	-76.206	36.84878588	Yes	11/07/2008	Active	JL54
HRT Newtown Park and Ride	120	BANGOR AVENUE	3.703	2.614	Light Rail.1	Private	Extended Detention Basin	3.7	-76.1893	36.84148137	No	05/15/2011	Active	JL54
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.3	Private	Manufactured BMP Systems	0.28	-76.2051	36.84877222	Yes	11/07/2008	Active	JL54
Street Improvements - Ernies Way	951	ERNIES WAY	0.69	0.41	S47.2	Public	Grassed Swale	0.69	-76.1828	36.8534597	No	01/01/2007	Active	JL54
Lake Taylor Hospital Parking Lot Addition			2.334	0.88	11-0007.1	Private	Extended Detention Basin	1.28999	-76.2076	36.86545045	Yes	01/18/2012	Active	CB26
Duplex	1342	Little Bay Avenue	0.17	0.09	06-0014.2	Private	Bioretention Basins	0.086	-76.2899	36.96621002	Yes	09/11/2008	Active	JL57
Tanner's Landing	4250	Granby Street	1.54	0.91	05-0097.2	Private	Manufactured BMP Systems	0.772	-76.2804	36.88594181	No	07/12/2007	Active	JL56
Vulcan Construction Materials, L.P.	966	BALLENTINE BOULEVARD	12.25	10.88	06-0121.2	Private	Detention Basin	2.15	-76.2455	36.85098167	Yes	09/15/2009	Active	JL54
Vulcan Construction Materials, L.P.	966	BALLENTINE BOULEVARD	12.25	10.88	06-0121.3	Private	Retention Basin	6.43	-76.246	36.85299008	Yes	09/15/2009	Active	JL54
Marine Hydraulics Incorporated	543	E INDIAN RIVER ROAD	5.07	4.05	06-0135.2	Private	Manufactured BMP Systems	1.78	-76.2718	36.832079	Yes	11/21/2007	Active	JL54
Bolling Square Apartments Phase I	919	BOLLING AVENUE	7.22	4.94	03-0280.3	Private	Grassed Swale	0.53	-76.2965	36.89181208	Yes	08/28/2006	Active	JL56
RT Body Shop Addition	7615	MERRITT STREET	0.517	0.462	10-0075.1	Private	Detention Basin	0.52	-76.2466	36.91343039	Yes	04/23/2012	Active	JL57
Gutterman Iron Works	706	MAY AVENUE	2.72	1.769	08-0075.1	Private	Manufactured BMP Systems	2.72	-76.2753	36.84978383	Yes	04/23/2013	Active	JL54
Duplex Lot X	1533	NEVADA AVENUE	0.15	0.066	08-0091.2	Private	Bioretention Basins	0.0769	-76.2423	36.86530426	Yes	12/01/2010	Active	JL54
Rotunda Condominiums	415	Saint Pauls Boulevard	1.35	1.04	05-0156.2	Private	Extended Detention Basin	0.37	-76.2849	36.84870988	Yes	12/03/2007	Active	JL54
Downtown Pump Station (PS 145)	718	Yarmouth Street	0.18	0.07	S51.2	Public	Grassed Swale	0.044	-76.2943	36.85362645	No	01/01/2009	Active	JL54
Red Cross Parking Lot	611	W BRAMBLETON AVENUE	215	0.168	07-0104.3	Private	Manufactured BMP Systems	0.215	-76.3018	36.85616503	Yes	01/01/2010	Active	JL56
Norfolk Cruise Terminal	111	Waterside Drive	1.15	0.47	05-0060.2	Public	Manufactured BMP Systems	0.575	-76.2957	36.84815126	Yes	03/26/2007	Active	JL56
Walmart @ Tidewater	7530	TIDEWATER DRIVE	37.9	32.52	05-0074.3	Private	Manufactured BMP Systems	5.69	-76.2535	36.91176125	Yes	03/16/2007	Active	JL56
Rotunda Condominiums	415	Saint Pauls Boulevard	1.35	1.04	05-0156.3	Private	Manufactured BMP Systems	0.3	-76.2849	36.84953954	Yes	12/03/2007	Active	JL56
Duplex	9634	14th Bay Street	0.18	0.095	05-0170.2	Private	Bioretention Basins	0.045	-76.2009	36.931327	Yes	01/14/2009	Active	CB26
Duplex	9634	14th Bay Street	0.18	0.095	05-0170.3	Private	Bioretention Basins	0.045	-76.201	36.93144	Yes	01/14/2009	Active	CB26
Duplex	9634	14th Bay Street	0.18	0.095	05-0170.4	Private	Bioretention Basins	0.045	-76.2007	36.931255	Yes	01/14/2009	Active	CB26
Janaf Shopping Center	1140	N Military Highway	4.34	3.77	05-0181.2	Private	General Infiltration Practices	0.3472	-76.2086	36.86022216	Yes	10/24/2006	Active	JL54
First Presbyterian Church	820	COLONIAL AVENUE	2.41	1.79	06-0125.2	Private	Manufactured BMP Systems	0.21	-76.2946	36.86107246	Yes	03/05/2010	Active	JL56
2nd Patrol Division	901	Asbury Avenue	6.5	3.19	S53.2	Public	Extended Detention Basin	22.8	-76.2501	36.90891801	Yes	09/01/2011	Active	CB26
Trader Square	150	Granby Street	0.72	0.72	04-0136.2	Private	Manufactured BMP Systems	0.36	-76.291	36.8477342	Yes	12/12/2006	Active	JL56
Parking Lot	1227	W LITTLE CREEK ROAD	0.556	0.366	11-0032.1	Public	General Infiltration Practices	0.556	-76.2962	36.91549428	N/A	01/01/2012	Active	JL56
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.1	Private	Manufactured BMP Systems	1.48	-76.2282	36.90054803	Yes	03/15/2013	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.2	Private	Manufactured BMP Systems	1.48	-76.2283	36.9004366	Yes	03/15/2013	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.3	Private	Manufactured BMP Systems	1.04	-76.2271	36.89915818	Yes	03/15/2013	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.4	Private	Manufactured BMP Systems	1.66	-76.2278	36.89896708	Yes	03/15/2013	Active	CB26
Park Crescent Apartments	6450	CRESCENT WAY	8.57	5.69	11-0012.5	Private	Manufactured BMP Systems	1.04	-76.2271	36.89903836	Yes	03/15/2013	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
CVS E Va Bch Blvd. and Newton	6678	E VIRGINIA BEACH BOULEVAR	1.56	1.24	10-0071.1	Private	Manufactured BMP Systems	0.36	-76.178	36.8547975	Yes	03/12/2012	Active	JL54
Fine Arts Center - Norfolk Collegiate	7336	GRANBY STREET	1.5999	0.83999	11-0002.1	Private	Permeable Pavement 1	0.2899	-76.2761	36.90787582	Yes	09/30/2013	Active	JL56
US General Services Admin	5678	E VIRGINIA BEACH BOULEVAR	1.94	1.19	S63.1	Public	Extended Detention Basin	1.63	-76.2108	36.85613671	Yes	10/30/2012	Active	JL54
Leigh Medical Office Building	6275	E VIRGINIA BEACH BOULEVAR	2.52	2.07	07-0061.2	Private	Manufactured BMP Systems	0.22	-76.1901	36.85437684	Yes	03/06/2012	Active	JL54
Leigh Medical Office Building	6275	E VIRGINIA BEACH BOULEVAR	2.52	2.07	07-0061.3	Private	Manufactured BMP Systems	0.23	-76.1901	36.85437684	Yes	03/06/2012	Active	JL54
Leigh Medical Office Building	6275	E VIRGINIA BEACH BOULEVAR	2.52	2.07	07-0061.4	Private	Bioretention Basins	0.6	-76.1901	36.85437684	Yes	03/06/2012	Active	JL54
MacArthur Mall Museum Expansior	198	BANK STREET	0.79	0.55	S64.1	Private	Manufactured BMP Systems	0.19	-76.2889	36.84724253	Yes	08/28/2012	Active	JL56
Southside Aquatic Center	1750	CAMPOSTELLA ROAD	10.59	3.05	11-0020.1	Public	Detention Basin	10.59	-76.2597	36.82316468	Yes	01/09/2014	Active	JL54
MacArthur Mall Museum Expansior	198	BANK STREET	0.79	0.55	S64.2	Public	Detention Basin	0.31	-76.2887	36.84710516	Yes	08/28/2012	Active	JL54
Norfolk Machine & Welding	1028	W 27TH STREET	1.12	0.54	11-0045.1	Private	General Infiltration Practices	1.12	-76.2985	36.87633	Yes	07/16/2012	Active	JL56
Norfolk Collegiate Middle School	122	Granby Park	0.79	0.62	03-0042.2	Private	General Infiltration Practices	1.68	-76.2718	36.91113977	Yes	01/01/2004	Active	JL56
Christopher Court		Christopher Court	2.89	0	S17.1	Public	Detention Basin	2.98	-76.2245	36.88782882	Yes	01/01/2007	Active	JL56
Tidewater Gymnastics Parking Lot	846	44TH STREET	0.29	0.16	11-0056	Private	General Infiltration Practices	0.26	-76.2967	36.88450145	Yes	01/01/2013	Active	JL56
BAE Systems Parking Lot improvem	750	W BERKLEY AVENUE	13.5	12.07	11-0072.1	Private	Manufactured BMP Systems	1.33	-76.2875	36.82816933	Yes	04/12/2012	Active	JL53
O'Reilly Auto Parts	860	E LITTLE CREEK ROAD	1.25	0.94	11-0015	Private	Extended Detention Basin	1.25	-76.2484	36.91567355	Yes	07/27/2012	Active	JL57
Ingleside Elementary School Gymna	976	INGLESIDE DRIVE	2.4	0.72	NPS23.1	Public	Detention Basin	2.4	-76.2381	36.85338958	N/A	01/01/2013	Active	JL54
Forest Lawn Cemetary	8100	GRANBY STREET	1.45	0.14	S56.1	Public	General Infiltration Practices	0.69	-76.2672	36.92275859	No	03/27/2013	Active	JL57
Promenade Pointe	6217	TIDEWATER DRIVE	5.8	3.52	10-0061.1	Private	Manufactured BMP Systems	0.39	-76.2582	36.89311886	No	05/14/2014	Active	JL56
Promenade Pointe	6217	TIDEWATER DRIVE	5.8	3.52	10-0061.2	Private	Manufactured BMP Systems	0.44	-76.2582	36.89311886	No	05/14/2014	Active	JL56
Sewells Point Mini Storage	7614	SEWELLS POINT ROAD	1.49	1.23	11-0016.1	Private	Manufactured BMP Systems	1.49	-76.2484	36.91366629	Yes	10/02/2013	Active	JL56
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.2	Private	Manufactured BMP Systems	0.33	-76.2907	36.83551247	Yes	09/01/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.3	Private	Manufactured BMP Systems	0.32	-76.2907	36.8354865	Yes	09/01/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.4	Private	Manufactured BMP Systems	0.34	-76.2911	36.83537147	Yes	09/01/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.5	Private	Manufactured BMP Systems	0.37	-76.2912	36.83534275	Yes	09/01/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.6	Private	Manufactured BMP Systems	0.33	-76.2915	36.8350922	Yes	09/01/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.7	Private	Manufactured BMP Systems	0.33	-76.2913	36.8354715	Yes	09/01/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.8	Private	Manufactured BMP Systems	0.345	-76.2911	36.83630626	Yes	09/01/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.9	Private	Manufactured BMP Systems	0.345	-76.2916	36.83613919	Yes	09/01/2011	Active	JL53
Metro Machine Parking Addition	200	LIGON STREET	0.2	3.17	09-0057.10	Private	Manufactured BMP Systems	0.345	-76.2917	36.8361099	Yes	09/01/2011	Active	JL53
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.1	Private	Extended Detention Basin	0.52	-76.1889	36.85169898	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.2	Private	Manufactured BMP Systems	0.42	-76.1911	36.85106967	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.3	Private	Manufactured BMP Systems	0.2	-76.191	36.85073853	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.5	Private	Manufactured BMP Systems	0.46	-76.1879	36.84925038	Yes	02/10/2016	Active	JL54
Consolidated Courts Complex	811	E CITY HALL AVENUE	6.81	4.37	10-0060.1	Public	Bioretention Basins	0.36	-76.2855	36.8464743	N/A		Active	JL54
Consolidated Courts Complex	811	E CITY HALL AVENUE	6.81	4.37	10-0060.2	Public	Bioretention Basins	1.1	-76.285	36.84559899	N/A		Active	JL54
Autobell Carwash	5840	E VIRGINIA BEACH BOULEVAR	1.27	0.8	11-0019.1	Private	General Infiltration Practices	0.14	-76.2047	36.85591133	Yes	10/30/2012	Active	JL54
Autobell Carwash	5840	E VIRGINIA BEACH BOULEVAR	1.27	0.8	11-0019.2	Private	Manufactured BMP Systems	0.72	-76.2048	36.85597319	Yes	10/30/2012	Active	JL54
Kingdom Hall of Jehovah's Witness	3660	HUMBOLDT STREET	0.316	0.15	11-0066	Private	Manufactured BMP Systems	0.15	-76.2358	36.89031057	No	10/01/2013	Active	CB26
Uncle Bob's Self Storage Expansion	1213	E BRAMBLETON AVENUE	2.75	2.75	11-0082.1	Private	Manufactured BMP Systems	0.46	-76.2751	36.84859905	Yes	01/16/2014	Active	JL54
Killam Avenue Eatery	3375	KILLAM AVENUE	0.068	0.028	12-0016.1	Private	General Infiltration Practices	0.734	-76.2985	36.87685823	Yes	08/29/2013	Active	JL56
Filipino Christian Church	5225	ELMHURST AVENUE	1.18	0.681	12-0014	Private	Detention Basin	0.52	-76.2258	36.88441349	Yes	06/09/2013	Active	CB26
Palmetto St Drainage Improvement	3745	TAIT TERRACE	9.033	4.52	11-0071.1	Public	Detention Basin	9.033	-76.2429	36.87093996	N/A	01/01/2013	Active	JL56
821 W 26TH ST - Industrial Storage	821	W 26TH STREET	0.241	0.1013	12-0006	Private	General Infiltration Practices	0.2244	-76.2963	36.8744812	Yes	09/10/2014	Active	JL56
CHURCH PARKING LOT	5204	ELMHURST AVENUE	0.61	0.4427	12-0015.1	Private	Extended Detention Basin	0.23	-76.2259	36.88494492	Yes	01/01/2013	Active	JL56
Norfolk General New Pavilion & Par	600	GRESHAM DRIVE	6.49	4.43	03-0327.2	Private	Bioretention Basins	0.94	-76.3042	36.863607	Yes	07/23/2012	Active	JL56
Norfolk General New Pavilion & Par	600	GRESHAM DRIVE	6.49	4.43	03-0327.3	Private	Manufactured BMP Systems	0.75	-76.3052	36.862586	Yes	07/23/2012	Active	JL56
Norfolk General New Pavilion & Par	600	GRESHAM DRIVE	6.49	4.43	03-0327.4	Private	Manufactured BMP Systems	0.94	-76.3038	36.863692	Yes	07/23/2012	Active	JL56
Cook Out Restaurant	1105	N MILITARY HIGHWAY	0.91	0.63	12-0003.1	Private	Manufactured BMP Systems	0.22	-76.2105	36.859989	Yes	01/01/2013	Active	JL54
Norfolk Airport Authority, Terminal	2200	NORVIEW AVENUE	11.17	8.43	12-0031.1	Private	Retention Basin	11.2	-76.2064	36.90048326	Yes	01/01/2013	Active	CB26
Chrysler Museum Expansion and Re	245	W OLNEY ROAD	1.09	0.83	11-0057.1	Private	Manufactured BMP Systems	0.29	-76.2925	36.856921	Yes	01/01/2015	Active	JL56
Chrysler Museum Expansion and Re	245	W OLNEY ROAD	1.09	0.83	11-0057.2	Private	Manufactured BMP Systems	0.38	-76.2925	36.856921	Yes	01/01/2015	Active	JL56
Norfolk International Airport, Gene	6101	MILLER STORE ROAD	6.3	4.12	10-0076.1	Private	Detention Basin	0.75	-76.1991	36.88480835	Yes	03/05/2014	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Norfolk International Airport, Gene	6101	MILLER STORE ROAD	6.3	4.12	10-0076.2	Private	Manufactured BMP Systems	0.18	-76.1991	36.88586333	No	03/05/2014	Active	CB26
Norfolk International Airport, Gene	6101	MILLER STORE ROAD	6.3	4.12	10-0076.3	Private	Manufactured BMP Systems	0.17	-76.1991	36.88580378	No	03/05/2014	Active	CB26
Norfolk International Airport, Gene	6101	MILLER STORE ROAD	6.3	4.12	10-0076.4	Private	Manufactured BMP Systems	0.24	-76.1998	36.88528275	No	03/05/2014	Active	CB26
Norfolk International Airport, Gene	6101	MILLER STORE ROAD	6.3	4.12	10-0076.5	Private	Manufactured BMP Systems	0.14	-76.1998	36.88523602	No	03/05/2014	Active	CB26
Norfolk International Airport, Gene	6101	MILLER STORE ROAD	6.3	4.12	10-0076.6	Private	Retention Basin	0.47	-76.1994	36.8855244	No	03/05/2014	Active	CB26
YMCA Family Center on Granby Stre	2900	GRANBY STREET	2.58	1.88	12-0024.1	Private	Manufactured BMP Systems	0.37	-76.2831	36.873394	Yes	06/01/2013	Active	JL56
YMCA Family Center on Granby Stre	2900	GRANBY STREET	2.58	1.88	12-0024.2	Private	Manufactured BMP Systems	0.42	-76.2837	36.873448	Yes	05/31/2013	Active	JL56
Norfolk Multi-Modal Transportatior	150	PARK AVENUE	1.86	13.61	S67.1	Public	Manufactured BMP Systems	0.59	-76.2784	36.844025	N/A	11/14/2013	Active	JL54
WAWA	6301	N MILITARY HIGHWAY	3.8	2.47	12-0025.1	Private	Detention Basin	2.5	-76.2267	36.89724898	Yes	10/21/2013	Active	CB26
WAWA	6301	N MILITARY HIGHWAY	3.8	2.47	12-0025.2	Private	Manufactured BMP Systems	0.22	-76.2262	36.89675634	Yes	10/21/2013	Active	CB26
WAWA	6301	N MILITARY HIGHWAY	3.8	2.47	12-0025.3	Private	Manufactured BMP Systems	0.58	-76.2259	36.89692622	Yes	10/21/2013	Active	CB26
Colonna's Shipyard Super Building F	400	E INDIAN RIVER ROAD	0.522	0.522	12-0034.1	Private	General Infiltration Practices	0.522	-76.2741	36.834955	Yes	01/01/2013	Active	JL53
Grandy Village-Phase V Site Improv	3133	KIMBALL TERRACE	2.17	0.93	12-0028.1	Public	Extended Detention Basin	1.7	-76.2491	36.84233324	N/A	09/15/2015	Active	JL54
Filterra	3988	OMOHUNDRO AVENUE	0	0	S58.1	Public	Manufactured BMP Systems	0.072	-76.2826	36.883098	N/A	01/02/2013	Active	JL56
Filterra	3988	OMOHUNDRO AVENUE	0	0	S58.2	Public	Manufactured BMP Systems	0.062	-76.2827	36.88312	No	01/02/2013	Active	JL56
Filterra	428	CAROLINA AVENUE	0	0	S59.1	Public	Manufactured BMP Systems	0.12	-76.3035	36.87678	No	01/01/2014	Active	JL54
Filterra	418	VIRGINIA AVENUE	0	0	S60.1	Public	Manufactured BMP Systems	0.157	-76.2858	36.881356	No	01/02/2013	Active	JL56
Filterra	400	37TH STREET	0	0	S61.1	Public	Manufactured BMP Systems	0.077	-76.2858	36.879804	No	01/07/2013	Active	JL56
Filterra	325	36TH STREET	0	0	S62.1	Public	Manufactured BMP Systems	0.12	-76.2864	36.879021	No	01/31/2013	Active	JL56
Jerusalem Apostolic Christian Churc	1210	E PRINCESS ANNE ROAD	0.22	0.151	11-0042.1	Private	Manufactured BMP Systems	0.157	-76.2698	36.8556	Yes	02/20/2013	Active	JL57
Jerusalem Apostolic Christian Churc	1210	E PRINCESS ANNE ROAD	0.22	0.151	11-0042	Private	Manufactured BMP Systems	0.157	-76.2698	36.8556	Yes	02/20/2013	Active	JL57
Subdivision Plan for Bullock Park	401-499	W GOVERNMENT AVENUE	2.537	0.69	11-0023.1	Private	Extended Detention Basin	1.67	-76.262	36.955975	Yes	09/13/2013	Active	JL57
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.4	Private	Retention Basin	2.5	-76.2057	36.848839	Yes	01/01/2000	Active	JL54
Calvary Revival Church Addition	5833	Poplar Hall Drive	3.95	3.49	05-0146.5	Private	General Infiltration Practices	1.41	-76.2062	36.84804957	Yes	01/01/1992	Active	JL54
Hammett Avenue BMP	8721	HAMMETT AVENUE	0.98	0.35	12-0026.1	Private	Detention Basin	0.409	-76.2565	36.935342	Yes	10/21/2013	Active	JL57
R.E. Michel Building Addition	2735	ELLSMERE AVENUE	1.29	0.92	12-0030.1	Private	Extended Detention Basin	0.62	-76.2205	36.881668	No	11/26/2013	Active	JL56
CON Small Brick Building	180	E EVANS STREET	23.8	0	S65.1	Public	General Infiltration Practices	0	-76.2585	36.934448	N/A	04/05/2013	Active	CB26
Sherwin Williams	7937	SHORE DRIVE	0.257	0.19	12-0066.1	Private	Extended Detention Basin	0.257	-76.1932	36.9194649	Yes	10/08/2013	Active	CB26
Dollar General	4008	E LITTLE CREEK ROAD	0.717	0.57	12-0074.1	Private	Bioretention Basins	0.187	-76.1958	36.91820722	Yes	04/26/2013	Active	CB26
Dollar General	4008	E LITTLE CREEK ROAD	0.717	0.57	12-0074.2	Private	Manufactured BMP Systems	0.216	-76.1962	36.91861573	Yes	04/26/2013	Active	CB26
Suburban Park Subdivision-Redevel	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.1	Private	Detention Basin	0.39	-76.2719	36.914134	Yes	04/30/2013	Active	JL57
Suburban Park Subdivision-Redevel	117	E LITTLE CREEK ROAD	8.37	6.88	12.0039.2	Private	Manufactured BMP Systems	0.24	-76.2719	36.914134	Yes	04/30/2013	Active	JL57
Suburban Park Subdivision-Redevel	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.3	Private	Manufactured BMP Systems	0.18	-76.2719	36.914134	Yes	04/30/2013	Active	JL57
Suburban Park Subdivision-Redevel	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.4	Private	Manufactured BMP Systems	0.18	-76.2719	36.914134	Yes	04/30/2013	Active	JL57
Suburban Park Subdivision-Redevel	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.5	Private	Manufactured BMP Systems	0.18	-76.2719	36.914134	Yes	04/30/2013	Active	JL57
Suburban Park Subdivision-Redevel	117	E LITTLE CREEK ROAD	8.37	6.88	12-0039.6	Private	Manufactured BMP Systems	0.33	-76.2719	36.914134	Yes	04/30/2013	Active	JL57
Fayton-Sutherlin Bldg	1674	CHURCH STREET	0.39	0.27	08-0089.1	Private	General Infiltration Practices	0.28	-76.2786	36.864007	Yes	03/28/2014	Active	JL56
Fayton-Sutherlin Bldg	1674	CHURCH STREET	0.39	0.27	08-0089.2	Private	General Infiltration Practices	0.11	-76.2784	36.863649	Yes	03/28/2014	Active	JL56
Fayton-Sutherlin Bldg	1674	CHURCH STREET	0.39	0.27	08-0089.3	Private	Manufactured BMP Systems	0.28	-76.2784	36.863879	Yes	03/28/2014	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.1	Private	Manufactured BMP Systems	0.91	-76.2875	36.851928	No	06/06/2013	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.2	Private	Manufactured BMP Systems	0.97	-76.287	36.850909	No	06/06/2013	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.3	Private	Manufactured BMP Systems	1.49	-76.2886	36.851406	No	06/06/2013	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.4	Private	Manufactured BMP Systems	0.29	-76.2881	36.850713	No	06/06/2013	Active	JL56
Wells Fargo	440	Monticello Avenue	4.59	3.79	09-0039.5	Private	Manufactured BMP Systems	0.37	-76.2878	36.850569	No	06/06/2013	Active	JL56
Bauer Compressors Expansion	1328	AZALEA GARDEN ROAD	5.01	3.62	12-0085.1	Private	Manufactured BMP Systems	0.23	-76.2331	36.862875	Yes	06/19/2013	Active	JL54
Bauer Compressors Expansion	1328	AZALEA GARDEN ROAD	5.01	3.62	12-0085.2	Private	Manufactured BMP Systems	1.34	-76.2331	36.862875	Yes	06/19/2013	Active	JL56
Bauer Compressors Expansion	1328	AZALEA GARDEN ROAD	5.01	3.62	12-0085.3	Private	Manufactured BMP Systems	1.42	-76.2331	36.862875	Yes	06/19/2013	Active	JL56
Valley Self Storage	1117	VALLEY DRIVE	2.225	1.83	13-0010.1	Private	Detention Basin	1.88	-76.2105	36.860875	Yes	06/26/2013	Active	JL54
WAWA	6301	N MILITARY HIGHWAY	3.8	2.47	12-0025.4	Private	Manufactured BMP Systems	2.47	-76.2263	36.89728	Yes	10/21/2013	Active	CB26
Mixed Use Building	401	GRANBY STREET	0.36	0.33	12-0082.1	Private	Manufactured BMP Systems	0.15	-76.2899	36.85134634	Yes	07/25/2014	Active	JL56
East Beach Marina	4921	PRETTY LAKE AVENUE	1.68	1.54	12-0036.1	Private	General Infiltration Practices	1.41	-76.1838	36.92378784	Yes	01/01/2016	Active	CB26
Zoo-Animal Wellness Center	3500	GRANBY STREET	1.47	0.66	S66.1	Public	Detention Basin	0.56	-76.2786	36.878791	Yes	01/13/2014	Active	JL56

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Zoo-Animal Wellness Center	3500	GRANBY STREET	1.47	0.66	S66.2	Public	Detention Basin	0.19	-76.2786	36.878791	Yes	01/13/2014	Active	JL56
Zoo-Animal Wellness Center	3500	GRANBY STREET	1.47	0.66	S66.3	Public	Detention Basin	0.11	-76.2786	36.878791	Yes	01/13/2014	Active	JL56
Zoo-Animal Wellness Center	3500	GRANBY STREET	1.47	0.66	S66.4	Public	Detention Basin	0.61	-76.2786	36.878791	Yes	01/13/2014	Active	JL56
Street Improvements for Asfari Hor	1262	PALL MALL STREET	1.21	0.44	12-0065.1	Private	Bioretention Basins	1.2	-76.2351	36.892808	No	01/01/2016	Active	CB26
Element on Ghent	1700	GRANBY STREET	1.46	1.34	13-0000.1	Private	Manufactured BMP Systems	0.16	-76.286	36.86471226	Yes	01/01/2015	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.1	Private	Manufactured BMP Systems	0.24	-76.2066	36.876504	Yes	03/03/2014	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.2	Private	Manufactured BMP Systems	0.24	-76.2066	36.876504	Yes	03/03/2014	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.3	Private	Manufactured BMP Systems	0.24	-76.2066	36.876504	Yes	03/03/2014	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.4	Private	Manufactured BMP Systems	0.24	-76.2066	36.876504	Yes	03/03/2014	Active	JL56
USAA Parking Garage	5800	NORTHAMPTON BOULEVARD	4.23	2.48	13-0017.5	Private	Manufactured BMP Systems	0.24	-76.2066	36.876504	Yes	03/03/2014	Active	JL56
Chick-Fil-A (Store #03189)	1600	Monticello Avenue	1.13	0.88	13-0020.1	Private	Manufactured BMP Systems	0.2	-76.2846	36.8638381	Yes	01/01/2014	Active	JL56
Chick-Fil-A (Store #03189)	1600	Monticello Avenue	1.13	0.88	13-0020.2	Private	Manufactured BMP Systems	0.182	-76.2849	36.86355131	Yes	01/01/2014	Active	JL56
Chick-Fil-A (Store #03189)	1600	Monticello Avenue	1.13	0.88	13-0020.3	Private	Manufactured BMP Systems	0.121	-76.2853	36.86361504	Yes	01/01/2014	Active	JL56
Rebuild and Convenience Store Add	3027	E VIRGINIA BEACH BOULEVAR	0.764	0.596	12-0013.1	Private	General Infiltration Practices	0.466	-76.2484	36.85244775	Yes	01/01/2013	Active	JL54
United Disposal	161	WELLMAN STREET	1.248	1.142	12-0081.1	Private	Manufactured BMP Systems	0.469	-76.2075	36.84323255	Yes	01/01/2014	Active	JL54
Pointe at Pickett Farm	5394	GREENPLAIN ROAD	17.397	8.259	12-0063.1	Private	Retention Basin	5.9	-76.223	36.861983	Yes	05/30/2014	Active	JL54
Consolidated Courts Complex	811	E CITY HALL AVENUE	6.81	4.37	10-0060.3	Public	Bioretention Basins	0	-76.2858	36.84588377	No		Active	JL54
Consolidated Courts Complex	811	E CITY HALL AVENUE	6.81	4.37	10-0060.4	Public	Manufactured BMP Systems	0	-76.2849	36.84645477	No		Active	JL54
Towing Operations Center	1188	LANCE ROAD	3.3	2.97	S68.1	Public	Bioretention Basins	2.65	-76.2163	36.86609237	No	11/19/2013	Active	JL54
Taco Bell	4009	Hampton Boulevard	0.77	0.55	05-0123.2	Private	Manufactured BMP Systems	0.197	-76.3026	36.881857	Yes	12/27/2005	Active	JL56
Taco Bell	4009	Hampton Boulevard	0.77	0.55	05-0123.3	Private	Manufactured BMP Systems	0.312	-76.303	36.881325	Yes	12/27/2005	Active	JL56
7-Eleven	4500	E PRINCESS ANNE ROAD	0.74	0.512	13-0031.1	Private	Manufactured BMP Systems	0.069	-76.235	36.86739	No	01/02/2014	Active	JL54
Balance Builders	3805	GRANBY STREET	0.26	0.15	12-0033.1	Private	Bioretention Basins	0.15	-76.2822	36.880998	Yes	01/06/2016	Active	JL56
Ocean View Avenue Duplex	1400	W OCEAN VIEW AVENUE	0.149	0.076	13-0040.1	Private	Detention Basin	0.118	-76.291	36.96725	Yes	09/29/2014	Active	CB26
Partrea Apartments	7408	TIDEWATER DRIVE	2.09	0.79	13-0026.1	Private	Manufactured BMP Systems	0.7	-76.2555	36.907618	No	01/01/2016	Active	CB26
Townhouses	9700	12TH VIEW STREET	0.24	0.13	03-0193.2	Private	General Infiltration Practices	0.118	-76.2841	36.967436	No	10/13/2004	Active	JL57
Duplex	1538	LEA VIEW AVENUE	0.22	0.11	03-0272.2	Private	General Infiltration Practices	0.061	-76.2954	36.968499	No	04/08/2005	Active	JL57
Duplex	1278	LITTLE BAY AVENUE	0.172	0.062	03-0325.2	Private	General Infiltration Practices	0.051	-76.2876	36.966214	No	08/01/2011	Active	CB26
Duplex	1278	LITTLE BAY AVENUE	0.172	0.062	03-0325.3	Private	General Infiltration Practices	0.051	-76.2875	36.966212	No	08/01/2011	Active	CB26
Duplex	1156	Toler Place	0.19	0.06	06-0056.2	Private	General Infiltration Practices	0.0975	-76.2836	36.968214	Yes	11/13/2008	Active	CB26
Duplex	479	W OCEAN VIEW AVENUE	0.58	0.17	01-0173.2	Private	General Infiltration Practices	0.051	-76.2632	36.960519	Yes	03/19/2004	Active	CB26
Duplex	475	W Ocean View Avenue	0.21	0.1	03-139.2	Private	General Infiltration Practices	0.1035	-76.2631	36.960375	Yes	08/17/2007	Active	CB26
Duplex	642	W OCEAN VIEW AVENUE	0.23	0.09	03-287.2	Private	General Infiltration Practices	0.077	-76.2673	36.963764	No	01/01/2005	Active	CB26
Duplex	642	W OCEAN VIEW AVENUE	0.23	0.09	03-287.3	Private	General Infiltration Practices	0.077	-76.2672	36.964078	No	01/01/2005	Active	CB26
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.3	Private	General Infiltration Practices	0.143	-76.2702	36.94210292	Yes	02/03/1995	Active	JL57
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.2	Private	General Infiltration Practices	0.143	-76.272	36.94157663	Yes	02/03/1995	Active	JL57
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.8	Private	General Infiltration Practices	0.143	-76.2729	36.93906518	Yes	02/03/1995	Active	JL57
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.9	Private	General Infiltration Practices	0.143	-76.2746	36.9416806	Yes	02/03/1995	Active	JL57
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.4	Private	General Infiltration Practices	0.143	-76.2707	36.94061729	Yes	02/03/1995	Active	JL57
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.7	Private	General Infiltration Practices	0.143	-76.2719	36.93910698	Yes	02/03/1995	Active	JL57
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.5	Private	General Infiltration Practices	0.143	-76.2713	36.94213829	Yes	02/03/1995	Active	JL57
Merrimac Landing Apartments (off	8807	Monitor Way	3.26	1.29	T75.6	Private	General Infiltration Practices	0.143	-76.272	36.94157663	Yes	02/03/1995	Active	JL57
Saesoon Presb. Church	5135	Stanart Street	2.8	0.7	T119.2	Private	Detention Basin	1.4	-76.2258	36.85424642	Yes	02/02/1995	Active	JL54
Shiloh Baptist Church Parking Lot	745	Park Avenue	2.32	1.91	T173.1	Private	Detention Basin	1.16	-76.2701	36.84834363	Yes	01/01/1997	Active	JL54
First Pentecostal Church-Building ar	1430	WILSON ROAD	0.17	0.06	T250.2	Private	General Infiltration Practices	0.123	-76.2659	36.82864866	Yes	10/09/2000	Active	JL54
First Pentecostal Church-Building ar	1430	WILSON ROAD	0.17	0.06	T250.3	Private	General Infiltration Practices	0.123	-76.2656	36.82812857	Yes	10/09/2000	Active	JL54
First Pentecostal Church-Building ar	1430	WILSON ROAD	0.17	0.06	T250.4	Private	General Infiltration Practices	0.123	-76.2656	36.82803732	Yes	10/09/2000	Active	JL54
Calvary Academy of the King Eleme	2329	E Little Creek Road	10.39	4.73	T258.2	Private	Retention Basin	5.196	-76.2187	36.91390005	Yes	06/13/2001	Active	CB26
8570 Chesapeake Blvd. (18 unit apa	8570	Chesapeake Boulevard	0.76	0.49	T275.2	Private	General Infiltration Practices	0.38	-76.2434	36.9324244	Yes	01/10/1996	Active	CB26
Signature Printing	889	Poplar Hall Drive	0.62	0.04	T317.2	Private	Grassed Swale	0.31	-76.1987	36.85428348	No	03/27/1996	Active	JL54
New Hope Christian Community Ch	3241	Brest Avenue	0.54	0.17	T343.2	Private	General Infiltration Practices	0.54	-76.2573	36.87755018	Yes	07/10/1996	Active	JL56
HRT Transfer Military Circle	880	N MILITARY HIGHWAY	0.14	0.09	HRT Transf	Private	General Infiltration Practices	0	-76.2066	36.850965	No	12/04/2013	Active	JL54

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Shirley Avenue Parking Lot	1420	COLONIAL AVENUE	0.79	0.59	13-0049.1	Private	Manufactured BMP Systems	0.17	-76.2926	36.865373	Yes	07/09/2014	Active	JL56
Shirley Avenue Parking Lot	1420	COLONIAL AVENUE	0.79	0.59	13-0049.2	Private	Manufactured BMP Systems	0.13	-76.2926	36.865373	Yes	07/09/2014	Active	JL56
Shirley Avenue Parking Lot	1420	COLONIAL AVENUE	0.79	0.59	13-0049.3	Private	Retention Basin	0.36	-76.2926	36.865373	Yes	07/09/2014	Active	JL56
71 Unit Multifamily	416	BOUSH STREET	0.42	0.42	12-0083.1	Private	Manufactured BMP Systems	0.35	-76.2904	36.85248	Yes	08/27/2014	Active	JL56
Mariner's Watch Apartments -Phas	740	Mariners Way	7.22	3.32	T627.2	Private	General Infiltration Practices	0.417	-76.2472	36.93904166	Yes	06/05/2002	Active	CB26
Mariner's Watch Apartments -Phas	740	Mariners Way	7.22	3.32	T627.3	Private	General Infiltration Practices	1.88	-76.2509	36.938789	Yes	06/25/2002	Active	CB26
Lake Taylor Hospital additions	1309	KEMPSVILLE ROAD	16.99	7.7	09-0033.2	Private	Detention Basin	0	-76.2058	36.867279	Yes	02/03/2014	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.2	Private	General Infiltration Practices	0.144	-76.3035	36.879988	Yes	08/28/2003	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4322.3	Private	General Infiltration Practices	0.144	-76.3036	36.87978634	Yes	08/28/2003	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.4	Private	General Infiltration Practices	0.144	-76.3031	36.87986358	Yes	08/28/2003	Active	JL56
Village Point Senior Housing	1220	38th Street	0.72	0.58	00-4332.5	Private	General Infiltration Practices	0.144	-76.303	36.88006043	Yes	08/28/2003	Active	JL56
Waterview 5 Lot Subdivision	901	WATERVIEW AVENUE	0.674	0.252	13-0004.1	Private	Grassed Swale	0	-76.298	36.888903	Yes	08/01/2014	Active	JL56
Norchester Pump Station No. 116 R	935	NORCHESTER STREET	0.142	0.083	13-0023.1	Public	Grassed Swale	0.024	-76.2553	36.85007	Yes	03/22/2018	Active	JL54
Norchester Pump Station No. 116 R	935	NORCHESTER STREET	0.142	0.083	13-0023.2	Public	Grassed Swale	0.048	-76.2553	36.84998197	Yes	03/22/2018	Active	JL54
Gethsemane Community Fellowship	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	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.2	Private	Manufactured BMP Systems	0.441	-76.2137	36.861704	Yes	06/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.3	Private	Manufactured BMP Systems	0.441	-76.2139	36.86189631	Yes	06/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.4	Private	Manufactured BMP Systems	0.441	-76.2143	36.862318	Yes	06/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.5	Private	Manufactured BMP Systems	0.441	-76.2143	36.862276	Yes	06/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.6	Private	Manufactured BMP Systems	0.441	-76.215	36.861936	Yes	06/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.7	Private	Manufactured BMP Systems	0.441	-76.2151	36.861897	Yes	06/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.8	Private	Manufactured BMP Systems	0.441	-76.2149	36.861383	Yes	06/19/2009	Active	JL54
Candlewood Suites	5600	LOWERY ROAD	5.65	4.2	07-0098.9	Private	Manufactured BMP Systems	0.441	-76.2149	36.861321	Yes	06/19/2009	Active	JL54
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.402	0.201	06-0044.5	Private	Manufactured BMP Systems	0.402	-76.2135	36.833428	Yes	12/02/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.402	0.201	06-0044.3	Private	Manufactured BMP Systems	0.402	-76.2135	36.833428	Yes	12/02/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.402	0.201	06-0044.4	Private	Manufactured BMP Systems	0.402	-76.2135	36.834201	Yes	12/02/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.402	0.201	06-0044.1	Private	Manufactured BMP Systems	0.402	-76.2136	36.834236	Yes	12/02/2013	Active	JL56
Shorewood Shores Phase II	420	SHOREWOOD PLACE	0.402	0.201	06-0044.2	Private	Manufactured BMP Systems	0.402	-76.2137	36.834225	Yes	12/02/2013	Active	JL56
Pretty Lake Greens	3112	PRETTY LAKE AVENUE	0.6993	0.296	13-0057.1	Private	Detention Basin	0.7	-76.2045	36.92937343	Yes	01/01/2015	Active	CB26
Lumber Liquidators	416	CAMPOSTELLA ROAD	0.97	0.73	09-0002.2	Private	Manufactured BMP Systems	0.66	-76.263	36.83563906	Yes	05/07/2010	Active	JL54
Little Creek Retail Shops	7862	TIDEWATER DRIVE	2.23	1.94	06-0062.2	Private	Manufactured BMP Systems	0.245	-76.253	36.91556955	Yes	02/20/2007	Active	CB26
Leigh Hall Assisted Living Building	890	POPLAR HALL DRIVE	1.82	1.142	13-0064.1	Private	Manufactured BMP Systems	1.033	-76.1971	36.854901	Yes	01/01/2016	Active	JL57
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.2	Private	Manufactured BMP Systems	0.24	-76.2132	36.86162457	Yes	07/22/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.3	Private	Manufactured BMP Systems	0.081	-76.2136	36.86156387	Yes	07/22/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.4	Private	Manufactured BMP Systems	1.64	-76.2137	36.86137462	Yes	07/22/2005	Active	JL54
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.5	Private	Detention Basin	0.214	-76.2137	36.86137462	Yes	07/22/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2	1.385	04-0023.2	Private	Manufactured BMP Systems	0.33	-76.2124	36.863135	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2	1.385	04-0023.3	Private	Manufactured BMP Systems	0.33	-76.2121	36.86281739	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2	1.385	04-0023.4	Private	Manufactured BMP Systems	0.33	-76.212	36.86274443	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2	1.385	04-0023.5	Private	Manufactured BMP Systems	0.33	-76.212	36.86245005	Yes	10/11/2005	Active	JL54
AAAA Self Storage	5680	LOWERY ROAD	2	1.385	04-0026.6	Private	Manufactured BMP Systems	0.33	-76.2121	36.86240756	Yes	10/11/2005	Active	JL54
Piedmont Hawthorne Aviation Hang	6101	Burton Station Road	0	0	01-0111.3	Private	Manufactured BMP Systems	1.029	-76.2008	36.88618529	No	06/13/2005	Active	CB26
Ray and Joan Kroc Center	1341	BALLENTINE BOULEVARD	8.25	3.94	11-0065.1	Private	Retention Basin	3.47	-76.2496	36.85696184	No	10/23/2014	Active	JL56
Ray and Joan Kroc Center	1341	BALLENTINE BOULEVARD	8.25	3.94	11-0065.2	Private	General Infiltration Practices	3.47	-76.2503	36.85792916	No	10/23/2014	Active	JL56
3608 Sewells Point Rd. Duplex	3608	SEWELLS POINT ROAD	0.168	0.08	06-0128.1	Private	General Infiltration Practices	0.112	-76.2367	36.88705113	Yes	11/23/2010	Active	JL56
3608 Sewells Point Rd. Duplex	3608	SEWELLS POINT ROAD	0.168	0.08	06-0128.2	Private	General Infiltration Practices	0.112	-76.2366	36.88694495	Yes	11/23/2010	Active	JL56
Bobbit Mid-Rise Site Improvements	5920	POPLAR HALL DRIVE	3.11	1.2	12-0029.1	Private	General Infiltration Practices	0.699	-76.2019	36.850057	No	01/01/2014	Active	JL54
Barraud Park	2540	BARRAUD AVENUE	25.16	2.79	S-07-0086.	Public	General Infiltration Practices	0.797	-76.2666	36.866003	No	06/12/2014	Active	JL56
RiverStar Homes Bioretention	3123	LUXEMBOURG AVENUE	1.6	0.7	S69	Public	Bioretention Basins	1.6	-76.2697	36.878981	N/A	02/28/2014	Active	JL56
Family Dollar	1809	WEBSTER AVENUE	0.77	0.54	04-0140.1	Private	Detention Basin	0.42	-76.2676	36.869962	Yes	01/01/2011	Active	JL56
Ghent Station	952	W 21ST STREET	3.568	3.106	13-0091.1	Private	Manufactured BMP Systems	0.169	-76.2985	36.871913	Yes	08/11/2015	Active	JL56
Pretty Lake Condos	3216	PRETTY LAKE AVENUE	0.43	0.217	13-0089.1	Private	Extended Detention Basin	0.276	-76.2038	36.929312	Yes	01/01/2015	Active	JL57

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Metro Machine Corporation Parkin	200	LIGON STREET	18.12	3.53	13-0065.1	Private	Manufactured BMP Systems	0.31	-76.2889	36.83658154	Yes	01/01/2015	Active	JL53
Young Terrace - Site Accessibility	804	WHITAKER LANE	32.6	0.05	11-0046.1	Private	General Infiltration Practices	0	-76.2832	36.85584468	No	01/01/2012	Active	JL54
Huntersville II Townhomes	1300	CHURCH STREET	0.75	0	06-0123.1	Private	General Infiltration Practices	0.527	-76.2777	36.85981295	No	09/15/2009	Active	JL56
Cape Henry Filterra	2800	CAPE HENRY AVENUE	0.22	0.22	SCHF.1	Public	Manufactured BMP Systems	0.22	-76.2527	36.860687	No	05/02/2014	Active	JL56
USAA Recreation Area	5800	Northampton Boulevard	1.37	0	T36.2	Private	General Infiltration Practices	0.4	-76.2066	36.87680132	Yes	06/01/2001	Active	CB26
Parktowne Clubhouse	3857	FLOWERFIELD ROAD	1.41	0.63	14-0008.1	Private	Manufactured BMP Systems	0.38	-76.1972	36.916797	No	01/01/2016	Active	CB26
VA Dermatology and Skin Cancer Ce	5630	LOWERY ROAD	0.78	0.61	14-0029.1	Private	Manufactured BMP Systems	0.57	-76.2129	36.86212838	Yes	01/01/2016	Active	JL54
Car Storage Lot	3532	WAYCROSS ROAD	0.718	0.373	14-0017	Private	Detention Basin	1.11	-76.2227	36.89239795	Yes	01/01/2015	Active	CB26
Street Improvements for Asfari Hor	1262	PALL MALL STREET	1.21	0.44	12-0065.2	Private	Detention Basin	1.2	-76.2351	36.892808	No	01/01/2016	Active	CB26
Metro Machine - Lot D Parking	200	LIGON STREET	0.95	0.68	14-0060.1	Private	Detention Basin	0.96	-76.2887	36.83764426	Yes	12/12/2017	Active	JL53
EA's Daycare	956	BERKLEY AVENUE EX	0.153	0.112	14-0026.1	Private	Permeable Pavement 2	0.164	-76.2745	36.82819292	No	01/01/2015	Active	JL54
The Ballentine Expansion	7211	GRANBY STREET	2.34	1.24	14-0074.1	Private	Manufactured BMP Systems	0.67	-76.2759	36.90814106	Yes	01/01/2016	Active	JL56
Lamberts Point Community Center	1251	W 42ND STREET	2.49	1.09	08-0008.1	Public	Bioretention Basins	2.49	-76.3042	36.88223791	Yes	02/09/2010	Active	JL56
Duplex Site Plan for Li Shen	9621	12TH BAY STREET	0.34	0.15	12-0050.1	Private	General Infiltration Practices	0.28	-76.2038	36.93158271	No	01/01/2014	Active	CB26
3350 E. Princess Anne Rd. Walmart	3350	E PRINCESS ANNE ROAD	7.45	6.22	13-0074.1	Private	Bioretention Basins	0.6	-76.2448	36.8631327	Yes	01/01/2015	Active	JL54
3350 E. Princess Anne Rd. Walmart	3350	E PRINCESS ANNE ROAD	7.45	6.22	13-0074.2	Private	Bioretention Basins	0.47	-76.245	36.86317562	Yes	01/01/2015	Active	JL53
Slover Library	235	E PLUME STREET	0.73	0.04	11-0027.1	Public	Manufactured BMP Systems	0.29	-76.2903	36.84662421	Yes	01/05/2015	Active	JL54
Norfolk Hotel and Conference Cent	120	E MAIN STREET	1.42	1.42	14-0047.1	Private	Manufactured BMP Systems	0.44	-76.2917	36.84624129	No	02/10/2017	Active	JL54
Campostella Elementary	1106	CAMPOSTELLA ROAD	18.48	5	14-0073.1	School	Retention Basin	3.12	-76.2608	36.82923623	N/A	08/22/2016	Active	JL54
9535 6th Bay Duplex	9536	6TH BAY STREET	0.26	0.01	14-0095.1	Private	Rooftop (Impervious Surface) Disco	0.17	-76.2115	36.93121982	No	01/25/2018	Active	CB26
Ghent Village	225	W PRINCESS ANNE ROAD	7.39	0.19	14-0096.1	Private	Grassed Swale	7.39	-76.2897	36.86077211	No	01/08/2016	Active	JL54
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	Active	JL56
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	Active	JL54
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	Active	JL54
450 Boush St. Mixed Use Developm	450	BOUSH STREET	0.74	0.74	15-0002.1	Private	Detention Basin	0.71	-76.2903	36.8527939	No	10/20/2017	Active	JL54
BJ's Gas Station	5832	E VIRGINIA BEACH BOULEVAR	0.9	0.73	15-0018.1	Private	Bioretention 1	0.23	-76.2058	36.85603089	Yes	12/01/2015	Active	JL54
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	Active	JL53
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	Active	JL53
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	Active	JL56
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	Active	JL54
Taco Bell	649	N NEWTOWN ROAD	0.78	0.56	14-0086.1	Private	Rooftop (Impervious Surface) Disco	0.05	-76.1814	36.84800655	Yes	01/29/2016	Active	JL54
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.1	Private	Dry Swale 2	0.14	-76.1981	36.92965414	Yes	04/19/2017	Active	CB26
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	Active	CB26
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	Active	CB26
17th Bay Street Duplexes	9607	17TH BAY STREET	0.34	0.34	14-0092.4	Private	Rooftop (Impervious Surface) Disco	0.02	-76.1981	36.92965414	Yes	04/19/2017	Active	CB26
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	Active	JL56
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	Active	JL56
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	Active	JL56
Bolling Square Phase 2	1001	BOLLING AVENUE	9.25	5.56	13-0090	Private	Bioretention 1	1.12	-76.2984	36.89104883	Yes	11/05/2015	Active	JL56
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	Active	JL56
Sam's Club	741	E LITTLE CREEK ROAD	14.52	13.5	14-0049.1	Private	Manufactured BMP Systems	2.63	-76.2539	36.91420745	Yes	12/07/2015	Active	JL56
Sam's Club	741	E LITTLE CREEK ROAD	14.52	13.5	14-0049.2	Private	Other SWMF	0	-76.2525	36.91522387	Yes	12/07/2015	Active	JL56
Dollar General Store	8474	CHESAPEAKE BOULEVARD	1.03	0.73	15-0035.1	Private	Manufactured BMP Systems	0.37	-76.2434	36.92927996	Yes	05/09/2016	Active	CB26
Bus Transfer Station	434	SAINT PAULS BOULEVARD	4.56	3.84	13-0085.1	Public	Manufactured BMP Systems	0.18	-76.2839	36.85071399	No	12/22/2015	Active	JL54
Bus Transfer Station	434	SAINT PAULS BOULEVARD	4.56	3.84	13-0085.2	Public	Manufactured BMP Systems	0.19	-76.2835	36.85065905	No	12/22/2015	Active	JL54
Bus Transfer Station	434	SAINT PAULS BOULEVARD	4.56	3.84	13-0085.3	Public	Manufactured BMP Systems	0.11	-76.2835	36.85065905	No	12/22/2015	Active	JL54
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	Active	JL54
Ocean View Elementary School	9501	MASON CREEK ROAD	25.8	5.03	14-0085.1	School	Wet Pond 1	5.4	-76.2605	36.95501876	N/A	08/31/2017	Active	JL57
7-Eleven	735	E OCEAN VIEW AVENUE	1.04	0.72	15-0049.1	Private	Manufactured BMP Systems	0.11	-76.2438	36.9490771	Yes	01/01/2017	Active	CB26
7-Eleven	735	E OCEAN VIEW AVENUE	1.04	0.72	15-0049.2	Private	Manufactured BMP Systems	0.17	-76.2437	36.94914049	Yes	01/01/2017	Active	CB26
7-Eleven	735	E OCEAN VIEW AVENUE	1.04	0.72	15-0049.3	Private	Manufactured BMP Systems	0.44	-76.2434	36.94882957	Yes	01/01/2017	Active	CB26
7-Eleven	735	E OCEAN VIEW AVENUE	1.04	0.72	15-0049.4	Private	Other SWMF	0	-76.2436	36.94873905	Yes	01/01/2017	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.6	Private	Bioretention 2	0.68	-76.1897	36.84914727	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.7	Private	Bioretention 1	0.73	-76.1902	36.8492428	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11.0077.8	Private	Bioretention 2	0.78	-76.1909	36.84951753	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11.0077.9	Private	Bioretention 2	0.42	-76.191	36.84992963	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.10	Private	Bioretention 2	0.48	-76.1911	36.85034172	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.11	Private	Extended Detention Basin	2.99	-76.1911	36.85002407	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.12	Private	Extended Detention Basin	2.99	-76.191	36.84975792	Yes	02/10/2016	Active	JL54
Sentara Leigh Nursing Tower Replac	830	KEMPSVILLE ROAD	23.87	19.71	11-0077.13	Private	Extended Detention Basin	2.99	-76.1912	36.84987812	Yes	02/10/2016	Active	JL54
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.1	Private	Grass Channel	0.08	-76.194	36.93011919	Yes	09/27/2017	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.2	Private	Grass Channel	0.09	-76.194	36.93011919	Yes	08/10/2017	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.3	Private	Grass Channel	0.09	-76.194	36.93011919	Yes	08/11/2017	Active	CB26
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	Active	CB26
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	Active	CB26
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	Active	CB26
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	Active	CB26
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	Active	CB26
20th Bay Street Subdivision	9612-9626	20TH BAY STREET	1.03	0.5	16-0004.9	Private	Rooftop (Impervious Surface) Disco	0.12	-76.194	36.93011919	Yes	09/27/2017	Active	CB26
Milton Point at Kimball Terrace Ship	2401	KIMBALL TERRACE	14.66	5.53	15-0046.1	Private	Dry Swale 1	1.2	-76.2622	36.84267071	Yes	01/13/2017	Active	JL54
Milton Point at Kimball Terrace Ship	2401	KIMBALL TERRACE	14.66	5.53	15-0046.2	Private	Dry Swale 1	1.44	-76.2609	36.84234286	Yes	01/13/2017	Active	JL54
Milton Point at Kimball Terrace Ship	2401	KIMBALL TERRACE	14.66	5.53	15-0046.3	Private	Dry Swale 1	0.4	-76.2612	36.8429257	Yes	01/13/2017	Active	JL54
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	Active	JL56
Bruce's Park Pump Station #152	1220	CARY AVENUE	0.14	0.05	13-0009.1	Public	Dry Swale 1	0.14	-76.2666	36.85847756	N/A	03/28/2016	Active	JL56
1081 Military Hwy Retail Shops	1081	N MILITARY HIGHWAY	0.825	0.65	15-0031.1	Private	Manufactured BMP Systems	0.2	-76.211	36.85842429	Yes	06/07/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVAR	10.73	0.47	15-0038.1	Private	Bioretention 1	1.11	-76.1834	36.84958622	Yes	10/29/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVAR	10.73	0.47	15-0038.2	Private	Bioretention 1	1.32	-76.1825	36.84978655	Yes	10/29/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVAR	10.73	0.47	15-0038.3	Private	Bioretention 1	1.52	-76.1834	36.85140916	Yes	10/29/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVAR	10.73	0.47	15-0038.4	Private	Bioretention 1	1.15	-76.1841	36.85082537	Yes	10/29/2018	Active	JL54
Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVAR	10.73	0.47	15-0038.5	Private	Bioretention 1	1.6	-76.1844	36.85157228	Yes	10/29/2018	Active	JL54
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	Active	JL54
901 Ballentine Boulevard Parking Lo	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.1	Private	Bioretention 1	0.1245	-76.2491	36.85035176	Yes	09/26/2017	Active	JL54
901 Ballentine Boulevard Parking Lo	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.2	Private	Bioretention 1	0.0872	-76.2492	36.85022298	Yes	09/26/2017	Active	JL54
901 Ballentine Boulevard Parking Lo	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.3	Private	Bioretention 2	0.1669	-76.2487	36.85030025	Yes	09/26/2017	Active	JL54
901 Ballentine Boulevard Parking Lo	901	BALLENTINE BOULEVARD	0.78	0.45	15-0019.4	Private	Bioretention 1	0.2188	-76.249	36.85007703	Yes	09/26/2017	Active	JL54
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	Active	JL54
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	Active	JL54
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	Active	JL54
Norfolk Academy Football Stadium	1585	WESLEYAN DRIVE	2.7	1.33	15-0059.4	Private	Rooftop (Impervious Surface) Disco	0.14	-76.193	36.87477781	Yes	06/28/2017	Active	JL54
Oaks at Elmhurst	4820	BEAMON ROAD	1.37	0.57	14-0070.1	Private	Other SWMF	1.44	-76.2319	36.87983847	No	10/16/2017	Active	JL56
Oaks at Elmhurst	4820	BEAMON ROAD	1.37	0.57	14-0070.2	Private	Grassed Swale	0.81	-76.2321	36.8801874	No	10/16/2017	Active	JL56
Lowery Road Pedestrian Improvements		LOWERY ROAD	0.81	0.67	15-0028.1	Public	Manufactured BMP Systems	0.19	-76.2077	36.86468683	N/A	12/07/2016	Active	JL54
Lowery Road Pedestrian Improvements		LOWERY ROAD	0.81	0.67	15-0028.2	Public	Manufactured BMP Systems	0.48	-76.206	36.8655487	N/A	12/07/2016	Active	JL54
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.1	Private	Manufactured BMP Systems	0.32	-76.2783	36.86662805	N/A	12/12/2017	Active	JL56
Church Street Station Studios	2000	CHURCH STREET	2.29	0.96	15-0022.2	Private	Manufactured BMP Systems	0.11	-76.2775	36.86656736	N/A	12/12/2017	Active	JL56
Captain's Landing	929	E OCEAN VIEW AVENUE	3.57	2.06	15-0039.1	Private	Infiltration 1	3.59	-76.2412	36.94701224	Yes	04/23/2018	Active	CB26
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.1	Private	Retention Basin	19.38	-76.1979	36.8832248	No	09/26/2017	Active	CB26
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.2	Private	Retention Basin	24.4	-76.202	36.87950889	Yes	09/26/2017	Active	CB26
Rockefeller Apartments	252	BOUSH STREET	0.23	0.22	16-0019.1	Private	Manufactured BMP Systems	0.2	-76.2921	36.84929492	Yes	02/07/2018	Active	JL56
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	Active	JL56
Archers Green Apartments	261	Suburban Parkway	2.88	1.12	91067.006.	Private	General Infiltration Practices	2.49	-76.2676	36.91059995	Yes	02/13/1992	Active	JL56
LIDL Grocery Store	6440	N MILITARY HIGHWAY	6.18	4.35	15-0054.1	Private	Extended Detention Pond 1	5.85	-76.2257	36.90023158	Yes	06/30/2017	Active	CB26
Lafayette Boulevard Streetscape Im	2115	LAFAYETTE BOULEVARD	1.51	1	16-0025.1	Public	Manufactured BMP Systems	0.27	-76.261	36.87693019	N/A	03/22/2018	Active	JL56
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	Active	CB26

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
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	Active	CB26
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	Active	CB26
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	Active	CB26
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	Active	CB26
Dunkin Donuts	8410	HAMPTON BOULEVARD	0.33	0.27	15-0051	Private	Bioretention Basins	0.34	-76.3177	36.9294483	Yes	12/27/2017	Active	JL57
Herbert St Subdivision	3214	HERBERT STREET	0.68	0.33	Herbert St.	Private	Grass Channel	0.34	-76.2296	36.88278558	No	09/28/2017	Active	JL56
East Coast Appliance	5671	Raby Road	0.91	0.73	16-0030	Private	Permeable Pavement 1	0.68	-76.2115	36.86046633	Yes	12/14/2017	Active	JL54
Colonna's Shipyard New Spotico Cr	151	South Main Street	6.74	2.68	15-0062.1	Private	Manufactured BMP Systems	0.7	-76.2814	36.83855112	Yes	03/21/2018	Active	JL54
Colonna's Shipyard New Spotico Cr	151	South Main Street	6.74	2.68	15-0062.2	Private	Dry Swale 1	5	-76.283	36.83714518	Yes	03/21/2018	Active	JL54
Little Creek Storage	801	W LITTLE CREEK ROAD	1.3	0.99	16-0027.1	Private	Other SWMF	0.215	-76.2893	36.91589201	Yes	01/31/2018	Active	JL56
Bay Disposal Material Recovery Fac	685	DECKER STREET	3.83	2.05	14-0001.1	Private	Detention Basin	2.74	-76.2528	36.83482154	Yes	11/28/2016	Active	JL54
Parkdale Channel Improvements	7400	EAST KENMORE DRIVE	2.28	0	15-0011.1	Public	Other SWMF	52.2	-76.2671	36.91095314	N/A	06/01/2017	Active	JL56
Granby Townhomes	3239-3245	GRANBY STREET	0.236	0.137	16-0011.1	Private	Bioretention 1	0.24	-76.2822	36.87688372	Yes	08/28/2017	Active	JL56
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.1	Public	Dry Swale 2	0.57	-76.2558	36.85802862	N/A	06/13/2018	Active	JL56
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.2	Public	Bioretention 1	0.96	-76.2557	36.85737304	N/A	06/13/2018	Active	JL56
Broad Creek Library	1425	NORCHESTER AVENUE	2.19	1.03	16-0057.3	Public	Grassed Swale	0.44	-76.2558	36.85682364	N/A	06/13/2018	Active	JL56
Starbucks - The Corner Shops	2000	COLONIAL AVENUE	0.39	0.29	16-0063.1	Private	Bioretention Urban	0.05	-76.2918	36.86845041	Yes	01/10/2018	Active	JL56
Starbucks - The Corner Shops	2000	COLONIAL AVENUE	0.39	0.29	16-0063.2	Private	Permeable Pavement 1	0.01	-76.2919	36.86854752	Yes	01/10/2018	Active	JL56
Popular Hall Trail		POPLAR HALL CIRCLE	0.92	0.42	16-0049.1	Public	Other SWMF	0.92	-76.2121	36.84888221	N/A	12/15/2017	Active	JL54
7-11 Colley Avenue	3805	COLLEY AVENUE	0.79	0.63	16-0020.1	Private	Other SWMF	0.79	-76.2949	36.88058917	N/A	03/01/2017	Active	JL56
Norfolk Courts Rear Access	811	E CITY HALL AVENUE	2.89	2.58	16-0105.1	Public	Infiltration 1	0.087	-76.2846	36.84639796	No	12/20/2017	Active	JL54
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.1	Private	Bioretention 2	0.12	-76.2224	36.93591375	Yes	08/10/2017	Active	CB26
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.2	Private	Bioretention 2	0.11	-76.2225	36.93597439	Yes	08/10/2017	Active	CB26
1921 Parkview Avenue	1921	PARKVIEW AVENUE	0.34	0.15	16-0076.3	Private	Bioretention 2	0.11	-76.2227	36.9360229	Yes	08/10/2017	Active	CB26
McCoy Duplex	2040	E OCEAN VIEW AVENUE	0.2663	0.0946	16-0018.1	Private	Infiltration 1	0.1854	-76.2172	36.93690573	Yes	03/07/2018	Active	CB26
Jehovah's Witnesses Parking Lot Im	959	INGLESIDE ROAD	0.6837	0.3992	14-0057.1	Private	Grassed Swale	0.18	-76.2385	36.85176649	No	08/15/2017	Active	JL54
Jehovah's Witnesses Parking Lot Im	959	INGLESIDE ROAD	0.6837	0.3992	14-0057.2	Private	Grassed Swale	0.15	-76.2386	36.85189701	No	08/15/2017	Active	JL54
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.3	Private	Retention Basin	4.55	-76.1974	36.88268416	Yes	09/26/2017	Active	CB26
Norfolk Premium Outlets	6282	NORTHAMPTON BOULEVARD	49.79	38.84	15-0045.4	Public	Bioretention 2	1.22	-76.2034	36.88032417	N/A	09/26/2017	Active	CB26
Premium Outlets Boulevard	5992	NORTHAMPTON BOULEVARD	6.36	1.92	15-0043.1	Public	Manufactured BMP Systems	0.73	-76.1932	36.87763799	N/A	09/25/2017	Active	JL54
Premium Outlets Boulevard	5992	NORTHAMPTON BOULEVARD	6.36	1.92	15-0043.2	Public	Manufactured BMP Systems	1.19	-76.195	36.88041857	N/A	09/25/2017	Active	JL54
CIRS Facility	900	ASBURY AVENUE	3.44	3.35	16-0106.1	Private	Wet Pond 1	4.32	-76.2504	36.91189902	Yes	03/05/2018	Active	CB26
CIRS Facility	900	ASBURY AVENUE	3.44	3.35	16-0106.2	Private	Manufactured BMP Systems	4.32	-76.2505	36.91164426	Yes	03/05/2018	Active	CB26
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	Active	JL56
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	Active	JL56
Virginia Zoo Exhibit Building Renova	3500	GRANBY STREET	0.24	0.1	17-0019.1	Public	Bioretention 1	0.19	-76.2755	36.87649099	Yes	02/04/2019	Active	JL56
YMCA Gym Addition	312	W BUTE STREET	1.7	1.32	16-0117.1	Private	Manufactured BMP Systems	0.2	-76.2946	36.85332022	Yes	03/26/2018	Active	JL56
YMCA Gym Addition	312	W BUTE STREET	1.7	1.32	16-0117.2	Private	Manufactured BMP Systems	0.12	-76.2946	36.85310775	Yes	03/26/2018	Active	JL56
Front Street Apartments	519	FRONT STREET	1.4	0.95	14-0064.1	Private	Manufactured BMP Systems	0.47	-76.3003	36.85363725	Yes	06/13/2018	Active	JL56
Dollar General	1540	INTERNATIONAL BOULEVARD	1.44	0.8	17-0010.1	Private	Other SWMF	0.8	-76.2269	36.89686828	No	11/30/2017	Active	CB26
529 W 24th Street	529	W 24TH STREET	2.19	2.08	17-0011.1	Private	Other SWMF	2.19	-76.2922	36.87169238	No		Active	JL56
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	Active	CB26
Arts Apartments	123	W VIRGINIA BEACH BOULEVA	0.676	0.56	16-0052.1	Private	Detention Basin	0.2015	-76.289	36.85715967	Yes	04/15/2019	Active	JL56
IKEA	6000	NORTHAMPTON BOULEVARD	18.871	15.41	17-0014.1	Private	Infiltration 2	5.22	-76.2019	36.87536368	Yes	04/04/2019	Active	CB26
IKEA	6000	NORTHAMPTON BOULEVARD	18.871	15.41	17-0014.2	Private	Infiltration 2	10.82	-76.2009	36.87589579	Yes	04/04/2019	Active	CB26
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.1	Private	Manufactured BMP Systems	1.93	-76.2094	36.86051958	Yes	09/18/2017	Active	JL54
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.2	Private	Manufactured BMP Systems	1.37	-76.2094	36.86066526	Yes	09/18/2017	Active	JL54
JANAF Wawa	1146	N MILITARY HIGHWAY	1.85	1.62	16-0010.3	Private	Other SWMF	0.5	-76.2098	36.86103552	Yes	09/18/2017	Active	JL54
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	Active	JL54
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	Active	JL54
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	Active	JL54
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	Active	JL54

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
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	Active	JL56
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	Active	JL56
St. Paul's Apartments	494	SAINT PAULS BOULEVARD	5.07	3.9	16-0098.3	Private	Infiltration 1	1.99	-76.2842	36.85201652	Yes	04/02/2019	Active	JL56
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	Active	JL56
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	Active	JL56
New Horizon Outreach Ministries	1575	KERREY AVENUE	0.606	0.323	16-0088.1	Private	General Infiltration Practices	0.11	-76.2299	36.87078454	Yes	09/20/2017	Active	JL54
New Horizon Outreach Ministries	1575	KERREY AVENUE	0.606	0.323	16-0088.2	Private	Other SWMF	4791	-76.2299	36.87078454	Yes	09/20/2017	Active	JL54
Carlton Homes LLC ROW Improvem	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.1	Public	Infiltration 1	0.08	-76.2405	36.94458878	N/A	11/02/2018	Active	CB26
Carlton Homes LLC ROW Improvem	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.2	Public	Infiltration 1	0.11	-76.2407	36.94469186	N/A	11/02/2018	Active	CB26
Carlton Homes LLC ROW Improvem	1100	VIRGILINA AVENUE	0.34	0.12	15-0001.3	Public	Infiltration 1	0.14	-76.2408	36.94471914	N/A	11/02/2018	Active	CB26
210 E. 22nd St. - 36 Apts.	210	E 22ND STREET	0.7	0.46	16-0036.1	Private	Other SWMF	0.66	-76.2826	36.86779634	N/A	09/26/2017	Active	JL56
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	Active	JL54
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	Active	JL54
Chartway Federal Credit Union	132	KEMPSVILLE ROAD	1.01	0.64	16-0035.1	Private	Infiltration 1	0.46	-76.1876	36.84259315	Yes	11/16/2017	Active	JL54
Chartway Federal Credit Union	132	KEMPSVILLE ROAD	1.01	0.64	16-0035.2	Private	Infiltration 2	0.394	-76.1873	36.84248994	Yes	11/16/2017	Active	JL54
Fairmount Park Phase 13B	2966	Lens Avenue	3.87	1.91	15-0010.1	Public	Manufactured BMP Systems	0.34	-76.2574	36.87144685	N/A	09/21/2017	Active	JL56
Fairmount Park Phase 13B	2966	Lens Avenue	3.87	1.91	15-0010.2	Public	Manufactured BMP Systems	0.23	-76.2565	36.8738538	N/A	09/21/2017	Active	JL56
Fairmount Park Phase 13B	2966	Lens Avenue	3.87	1.91	15-0010.3	Public	Manufactured BMP Systems	0.46	-76.2573	36.87409504	N/A	09/21/2017	Active	JL56
Fairmount Park Phase 13B	2966	Lens Avenue	3.87	1.91	15-0010.4	Public	Manufactured BMP Systems	0.41	-76.2566	36.87387397	N/A	09/21/2017	Active	JL56
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVAR	4.27	2.26	17-0039.1	Private	Manufactured BMP Systems	0.98	-76.1816	36.85345186	Yes	10/15/2018	Active	JL54
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVAR	4.27	2.26	17-0039.2	Private	Manufactured BMP Systems	2.6	-76.1819	36.8529298	Yes	10/15/2018	Active	JL54
Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVAR	4.27	2.26	17-0039.3	Private	Other SWMF	2.6	-76.182	36.85337622	Yes	10/15/2018	Active	JL54
1424, 1426, & 1428 W Ocean View	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	Active	CB26
Valley Self Storage Additional Build	1117	VALLEY DRIVE	0.97	0.84	17-0012.1	Private	Infiltration 1	0.41	-76.212	36.86004652	Yes	11/26/2018	Active	JL54
Valley Self Storage Additional Build	1117	VALLEY DRIVE	0.97	0.84	17-0012.2	Private	Infiltration 1	0.36	-76.2118	36.86023469	Yes	11/26/2018	Active	JL54
Reeves Avenue Substation Improve	1724	LOVITT AVENUE	1.39	1.39	17-0035.1	Private	Other SWMF	1.39	-76.2733	36.84209085	N/A	11/03/2017	Active	JL54
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	Active	CB26
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	Active	CB26
Lake Whitehurst Boat Ramp & Boar	4275	HEUTTE DRIVE	1.17	0.75	16-0096.1	Public	Other SWMF	0.75	-76.1905	36.91263921	N/A	10/19/2017	Active	CB26
Savannah Suites	5649	LOWERY ROAD	2.06	1.46	04-0111.6	Private	Manufactured BMP Systems	2.06	-76.2135	36.8615107	Yes	07/22/2005	Active	JL54
8011-8015 Woodall Rd Duplex	8011	WOODALL ROAD	0.41	0.213	17-0057.1	Private	Other SWMF	0.43	-76.198	36.92053002	N/A	12/19/2017	Active	CB26
2617 Pleasant Ave Duplex	2617	PLEASANT AVENUE	0.23	0.13	17-0036.1	Private	Other SWMF	0.18	-76.2098	36.93225417	N/A	12/19/2017	Active	CB26
United Disposal Laydown Yard	5835	HARGROVE STREET	0.411	0.324	17-0064.2	Private	Other SWMF	0.411	-76.2051	36.84398592	N/A	12/19/2017	Active	JL54
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	Active	CB26
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	Active	CB26
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	Active	CB26
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	Active	CB26
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	Active	JL56
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	Active	JL56
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	Active	JL57
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	Active	JL57
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	Active	CB26
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	Active	CB26
BJ's Gas Station	5832	E VIRGINIA BEACH BOULEVAR	0.9	0.73	15-0018.2	Private	Other SWMF	0.06	-76.2057	36.8560071	Yes	12/01/2015	Active	JL54
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	Active	JL56
HRT Park and Ride	5524	Curlew Drive	1.97	1.1	01-0197.2	Private	Infiltration 1	0.8	-76.2117	36.84173436	Yes	08/01/2011	Active	JL54
Virginia Paving Co.	3419	Trant Avenue	18.55	18.55	99-4218.2	Public	Detention Basin	2.38	-76.2443	36.85053693	N/A	01/01/2004	Active	JL54
Norfolk General New Pavilion & Par	600	GRESHAM DRIVE	6.49	4.43	03-0327.5	Private	Grassed Swale	0.32	-76.3048	36.86150427	Yes	07/23/2012	Active	JL56
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	Active	JL57
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	Active	JL57
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	Active	JL57
Greenway Stormwater Park	3901	LLEWELLYN AVENUE	19.07	8.2	12-0053.1	Public	Retention Basin	19.07	-76.2851	36.88167724	N/A	01/01/2014	Active	JL56

ACTIVE SWMFs - CITY OF NORFOLK														
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	Status	HUC
Barraud Park Pump Station #153	2509	HANSON AVENUE	0.24	0.07	14-0002.1	Public	Dry Swale 1	0.15	-76.2645	36.86468618	N/A	03/26/2018	Active	JL56
Barraud Park Pump Station #153	2509	HANSON AVENUE	0.24	0.07	14-0002.2	Public	Permeable Pavement 1	0.08	-76.2645	36.86474687	N/A	03/26/2018	Active	JL56
MHI - Raleigh Ave. Parking Lot	1215	RALEIGH AVENUE	1.86	1.612	17-0042.1	Private	Other SWMF	2.28	-76.3083	36.86578577	N/A		Active	JL56
7th Bay St. Duplex	9565	7TH BAY STREET	0.17	0.103	17-0083.1	Private	Other SWMF	0.17	-76.2098	36.93185682	N/A	05/04/2018	Active	CB26
Lots 5-12 Glenroie Ave. 3 SFR	7408	GLENROIE AVENUE	0.63	0.18	16-0016.1	Private	Other SWMF	0.63	-76.2983	36.91215638	N/A	04/21/2017	Active	JL56
Forest Lawn Mausoleum	8100	GRANBY STREET	0.157	0.072	14-0045.1	Public	Detention Basin	0.199	-76.2633	36.92844161	N/A	01/01/2015	Active	JL57
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	Active	CB26
North Shore Gardens Fitness Cente	1400	MEADS ROAD	0.37	0.345	18-0003.1	Private	Permeable Pavement 1	0.02	-76.2985	36.91799025	Yes		Active	JL57
North Shore Gardens Fitness Cente	1400	MEADS ROAD	0.37	0.345	18-0003.2	Private	Permeable Pavement 1	0.05	-76.2983	36.91805643	Yes		Active	JL57
North Shore Gardens Fitness Cente	1400	MEADS ROAD	0.37	0.345	18-0003.3	Private	Other SWMF	0.6	-76.2984	36.91813576	N/A		Active	JL57
Booker T. Washington Field House	1111	PARK AVENUE	0.29	0.13	14-0010.1	School	Grass Channel	0.29	-76.2694	36.85385877	N/A	10/01/2014	Active	JL54
Lake Taylor Field House	1384	KEMPSVILLE ROAD	0.67	0.2	14-0009.1	School	Grass Channel	0.3	-76.1992	36.86855018	N/A	10/01/2014	Active	JL54
Lake Taylor Field House	1384	KEMPSVILLE ROAD	0.67	0.2	14-0009.2	School	Rooftop (Impervious Surface) Disco	0.04	-76.1991	36.86865421	N/A	10/01/2014	Active	JL54
Dune Street Wetland	420	DUNE STREET	1.01	0	16-0075.1	Public	Constructed Wetland 1	12.45	-76.2523	36.93599363	N/A		Active	JL57
Stormwater Pump Station 12	8701	HAMPTON BOULEVARD	5.69	4.45	S70.1	Public	Manufactured BMP Systems	5.69	-76.3205	36.93338474	N/A	01/01/2010	Active	JL57
Sewells Point GC Entrance	660	RUTHVEN ROAD	0.28	0.26	S71.1	Public	Detention Basin	0.14	-76.2868	36.92047165	N/A	01/01/2017	Active	JL57
Sewells Point GC Entrance	660	RUTHVEN ROAD	0.28	0.26	S71.2	Public	Detention Basin	0.14	-76.2863	36.92053473	N/A	01/01/2017	Active	JL57
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	Active	CB26
Norfolk Botanical Gardens NATO To	6700	AZALEA GARDEN ROAD	0.81	0.2	18-0038.1	Public	Permeable Pavement 1	0.05	-76.2004	36.90426772	N/A		Active	CB26
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	Active	CB26
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	Active	JL56
Granby St and Bayview Blvd Interse	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	Active	JL57
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	Active	JL56
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	Active	JL56
20 Rivanna Building Canopy & Drive	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	Active	JL54
VB Blvd Improvements at Newtown	6602	E VIRGINIA BEACH BOULEVAR	1.57	1.4	18-0010.3	Public	Other SWMF	1.57	-76.1809	36.85462184	N/A	12/12/2018	Active	JL54
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	Active	JL54
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	Active	JL56
Glenrock SFR	462	FRIZZELL AVENUE	1.26	0.51	Glenrock S	Private	Grassed Swale	1.26	-76.2031	36.84902817	No	11/24/2015	Active	JL54
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	Active	JL54
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	Active	CB26
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	Active	JL56
Telecommunications Tower	1539	JOHNSTONS ROAD	0.057	0.05	18-0051	Private	Other SWMF	0.057	-76.2316	36.91011505	No	09/30/2018	Active	CB26
1600 E. Little Creek Rd-Aldi	1600	E LITTLE CREEK ROAD	3.97	2.15	17-0093	Private	Other SWMF	0	-76.135	36.5505	Yes		Active	CB26
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	Active	JL54
Duel Duplex site plan for DSF Devel	1010-1012	LITTLE BAY AVENUE	0.44	0.237	17-0092.1	Private	Other SWMF	0.44	-76.2789	36.966128	Yes		Active	JL57
Mt Gilead Church parking addition	1057	Kennedy Street	0.8	0.61	18-0032.1	Private	Other SWMF	0.8	-95.0416	29.139843	Yes		Active	JL56
4535 E Princess Anne Road-Tidewat	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.3	Private	Other SWMF	0	761406.4	365156.5	Yes	04/23/2019	Active	JL54
4535 E Princess Anne Road-Tidewat	4535	E PRINCESS ANNE ROAD	3.36	2.86	18-0104.4	Private	Other SWMF	0	761406.4	365156.5	Yes	04/12/2019	Active	JL54
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	Active	JL54
5764 E Virginia Beach Blvd-Discoun	5764	E VIRGINIA BEACH BOULEVAR	1.08	0.83	18-0080.1	Private	Wet Pond 1	0.08	761225.1	365122.22	Yes		Active	JL54
5764 E Virginia Beach Blvd-Discoun	5764	E VIRGINIA BEACH BOULEVAR	1.08	0.83	18-0080.2	Private	Other SWMF	0	761226.7	365121.47	Yes		Active	JL54

Appendix 7

SOP 630

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:
PREPARED BY: June Whitehurst, Environmental Programs Manager
REVIEWED BY: Peter Garner, Operations Engineering Manager
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.

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 Operations is the administrator of the MS4 VPDES Permit, VA0088650. This Division also 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.
- 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.

DEPARTMENT OF PUBLIC WORKS
OPERATIONS DIVISION
Storm Water Pollution Prevention Protocol for the Maintenance of Roads, Streets and Parking Lots

- 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

- 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.

SOP 630

DEPARTMENT OF PUBLIC WORKS
OPERATIONS DIVISION
Storm Water Pollution Prevention Protocol for the Maintenance of Roads, Streets and Parking Lots

- 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:

Peter S. Garner PE
Operations Engineering Manager
Public Works Operations

Attachments:

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

Appendix 8

The city of NEWPORT NEWS and askHRgreen.org
WORKING TOGETHER FOR A GREENER HAMPTON ROADS

THE CITY OF NORFOLK

Subject: **Become a Bay Star Business**!

Dear XXXXX:

You are receiving this letter as the registered contact for a landscaping, lawncare or tree company licensed in Norfolk, VA. Lawncare providers play an influential role in protecting water quality. We would like to encourage you to sign up as a Bay Star Business, which is a new, free, pledge-based initiative that recognizes Hampton Roads companies that are committed to protecting water quality in our region. Join the growing list of businesses that have pledged to adopt environmental practices that will have a positive impact on the region.

Joining is easy; visit the sign-up page at askhrgreen.org/BayStarBusiness and take the pledge. It includes no- or low-cost solutions to help business run more efficiently. In return, your business will be acknowledged on the askHRgreen.org website and you will receive a welcome packet that includes a Bay Star Business Partner window cling you can display.

Here are several other examples of how a company like yours can help:

- Properly dispose of leaves and yard waste according to locality ordinances. In Norfolk, 20 bags or less of yard waste can be placed at the curb in clear plastic bags after 5pm the day before scheduled weekly collections. This residential bulk waste will be picked up year-round.

- Review the enclosed "Landscaping Best Management Practices" water quality card for "good to do" and "good to know" tips.

- Consider registering for the Chesapeake Bay Landscaping Professional Certification Program (information enclosed).

- Be aware of restrictions that may be in place before removing vegetation from environmentally-sensitive areas.

- Choose Bay-friendly landscaping techniques and native plant species. Contact us if you need suggestions!

- All work along tidal waters or city reservoirs may require additional permits. Please contact the Department of Planning-Environmental Services for tidal waters or Department of Utilities-Reservoir Management for city reservoirs.

With regards,

Michelle Williams
Public Relations Specialist, Public Works
2233 McKann Ave.
Norfolk, VA 23509
757-823-4007

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

Organization/Event/Publication	Location	Topic/Title/Description	Speaker/Writer/Leader	Start Date	Hours	Number Attending	Intended Audience
HRUBS Insert	Norfolk	HHW	Michelle Williams	08/01/2018		60000	Residents
HRUBS Email	Norfolk	HHW	Utilities	08/24/2018		19791	Residents
HRUBS Insert	Norfolk	Bay Star Homes	Michelle Williams	09/01/2018		60000	Residents
Hello Neighbor Fest 2018	Lafayette Park	Back to School Event	Michelle Williams	08/25/2018	6	350	Residents
Social Media	Facebook Page	No Trash Down the Storm Drain	MarComm	08/14/2018		16785	Residents
Summer Camp	Norfolk Recreation Centers	Detective Stormy Waters	Michelle Williams	07/11/2018	30	503	Norfolk Elementary School Children
City Website	Website Home Page	Grass Clippings	Video	08/03/2018		500	
HRUBS Insert	City of Norfolk	Leaves	Michelle Williams	10/01/2018		60000	Residents
HRUBS email	City of Norfolk	Bay Star Homes	Utilities	09/01/2018		19791	Residents
HRUBS email	City of Norfolk	Leaves	Utilities	10/30/2018		20416	Residents
HRPDC Regional Envrionmental Meeting	HRPDC	Green Infrastructure Plan	Justin Shafer	09/06/2018	1	50	Public
Ocean View Business Association	Ocean View	Stormwater	Justin Shafer	09/20/2018	1	40	Business Owners
Social Media, TV48		Test, Don't Guess - Fertilizer	Michelle Williams	11/01/2018		18300	Residents
Social Media, TV48	Facebook & Twitter	Leaves Down the Storm Drain	Michelle Williams	10/29/2018		20000	Norfolk Residents
Norfolk Recycles Day	1176 Pineridge Rd. Norfolk, VA	100yr Tree Giveaway	Michelle Williams	11/17/2018	4	100	Norfolk Residents
Virginia Pilot Compass		No Leaves in the Storm Drain	Michelle Williams	11/04/2018		20000	Norfolk Residents
Social Media	Facebook & Twitter	Fertilizer - Test, Don't Guess	Michelle Williams	11/01/2018		500	Norfolk Residents
Social Media	Facebook & Twitter	Fertilizer - Test, Don't Guess	Michelle Williams	11/14/2018		500	Norfolk Residents
Social Media	Facebook & Twitter	Fertilizer - Test, Don't Guess	Michelle Williams	11/29/2018		500	
Social Media	Facebook & Twitter	Fertilizer - Test, Don't Guess	Michelle Williams	12/11/2018		500	
Social Media	Facebook & Twitter	Fertilizer - Test, Don't Guess	Michelle Williams	12/27/2018		500	Norfolk Residents
Social Media	Facebook & Twitter	No Leaves in the Storm Drain	Michelle Williams	11/12/2018		500	Norfolk Residents
Social Media	Facebook & Twitter	No Leaves in the Storm Drain	Michelle Williams	11/12/2018		500	Norfolk Residents
Social Media	Facebook & Twitter	No Leaves in the Storm Drain	Michelle Williams	11/27/2018		500	Norfolk Residents
Social Media	Facebook & Twitter	No Leaves in the Storm Drain	Michelle Williams	12/13/2018		500	Norfolk Residents
City Website	norfolk.gov homepage	Fertilizer - Test, Don't Guess VIdeo	Michelle Williams	11/01/2018		20000	Norfolk Residents
Bay Star Homes E-Newsletter	Email	Leaves, Bay Star Businesses	AskHrGreen	11/28/2018		2025	Bay Star Home Members
Sherwood Forest Elementary School	3035 Sherwood Forest Ln	School Program - The Magic of Water	Michelle Williams	12/12/2018	5	87	3rd grade school children
Coleman Place Elementary School	2445 Palmyra St.	School Program - The Magic of Water	Michelle Williams	12/13/2018	2	42	3rd grade school children
Coleman Place Elementary School	2445 Palmyra St.	School Program - The Magic of Water	Michelle Williams	12/14/2018	2	44	3rd grade school children
Coleman Place Elementary School	2445 Palmyra St.	School Program - Fred the Fish	Michelle Williams	11/06/2018	2	41	
Coleman Place Elementary School	2445 Palmyra St.	School Program - Fred the Fish	Michelle Williams	12/07/2018	2	43	Kindergarten school children
Coleman Place Elementary School	2445 Palmyra St.	School Program - Fred the Fish	Michelle Williams	12/06/2018	2	42	Kindergarten school children
Coleman Place Elementary School	2445 Palmyra St.	Understanding Watersheds	Michelle Williams	01/10/2019	2	46	4th grade school children
Coleman Place Elementary School	2445 Palmyra St.	Understanding Watershed	Michelle Williams	01/11/2019	3	45	4th grade school children
Jamin' Jamz	3500 Granby St	Fruit & Nut Tree Giveaway	Michelle Williams	01/12/2019	5	400	Norfolk Residents
HRUBS Insert		Illicit Discharge	Michelle Williams	02/01/2019		20416	
Fairlawn Elementary School	11332 Wade St. Norfolk, VA 23502	School Program - The Magic of Water	Michelle Williams	01/17/2019	2	44	3rd grade school children
Fairlawn Elementry School	1132 Wade St. Norfolk, VA 23502	School Program - The Magic of Water	Michelle Williams	01/16/2019	2	45	3rd grade school children
Willard Model Elementary School	1511 Willow Wood Dr. Norfolk, VA	School Program - The Magic of Water	Michelle Williams	01/22/2019	5	84	3rd grade school children
Tanners Creek Elementary	1335 Longdale Dr. Norfolk, VA 23513	Understanding Watersheds	Michelle Williams	02/01/2019	4	78	4th grade school children
Tanners Creek Elementary	1335 Longdale Dr. Norfolk, VA 23513	School Program - The Magic of Water	Michelle Williams	02/07/2019	2	37	3rd grade school children
Tanners Creek Elementary	1335 Longdale Dr. Norfolk, VA 23513	School Program - The Magic of Water	Michelle Williams	02/08/2019	2	40	3rd grade school children
Engage Norfolk	Norview High School	Community Involvement - Bay Star Homes	Michelle Williams	02/10/2019	5	200	Norfolk Residents
ERP Eastern Branch Implementation Team	Norfolk State University	Green Infrastructure Plan Implementation	Justin Shafer	02/15/2019	2	30	
Norfolk Master Gardeners	Norview Recreation Center	Green Infrastructure Plan Implementation	Justin Shafer	02/20/2019	2	60	Norfolk Master Gardeners
Friends of Indian River	Oaklette United Methodist Church Chesapeake, VA	Green Infrastructure Plan	Justin Shafer	02/21/2019	2	20	Environmental Group
Lindenwood Elementary	27100 Ludlow Street	School Program - The Magic of Water	Michelle Williams	11/22/2018	3	68	2nd grade school children
Lindenwood Elementary School	2700 Ludlow St. Norfolk, VA 23504	School Program - The Magic of Water	Michelle Williams	02/22/2019	4	67	2nd grade school children
Coleman Place Elementary School	2445 Palmyra St.	School Program - We All Live Downstream, Human Connection	Michelle Williams	02/28/2019	3	62	5th grade school children
Coleman Place Elementary School	2445 Palmyra St.	School Program - We All Live Downstream, Human Connection	Michelle Williams	02/27/2019	3	42	5th grade school children
Chesterfield Academy Elementary School	2915 Westminster Ave.	School Program - Fred the Fish	Michelle Williams	03/08/2019	3	59	1st grade school children
Norview Civic League	1112 Norview Avenue	General Stormwater Presentation	Michelle Williams	03/12/2019	2	20	Civic League
Social Media	Facebook & Twitter	Street Sweepers/ Grass Clippings	Michelle Williams	03/20/2019		19692	Norfolk Residents
HRUBS Insert		Street Sweepers/Grass Clippings	Michelle Williams	04/01/2019		20000	Norfolk Residents
Social Media	Facebook & Twitter	Street Sweeping and Grass Clippings	Michelle Williams	04/12/2019		20000	Norfolk Residents
Earth Day Reading Program	Jacox Elementary	I Can Save the Ocean	Michelle Williams + 7	04/10/2019	1	98	1st Grade Students
Norfolk Collegiate Panel	Norfolk Collegiate	Community Environmental Service	Justin Shafer	04/18/2019	2	60	
Buffer Workshop	Lakewood Park	Living Shorelines	Justin Shafer	04/20/2019	3	10	Norfolk Residents
Lake Taylor Collaborations	Lake Taylor	Drainage/Ditches	Justin Shafer	04/20/2019	2	20	Norfolk Residents
Tanners Creek Elementary School	1335 Longdale Dr. Norfolk, VA 23513	School Program - Fred the Fish	Michelle Williams	04/25/2019	4	98	1st grade school children
HRUBS Email		Street Sweepers/Grass Clippings	Michelle Williams	05/01/2019		20000	Norfolk Residents
Paint the Park	Keep Norfolk Beautiful	Bay Star Businesses	Michelle Williams	05/03/2019	3	75	Norfolk Businesses
Citizens Coalition for Good Governments	330 Bayview Blvd.	Storm Water/Street Sweeping/Grass Clippings	Michelle Williams	05/13/2019	2	10	Norfolk Residents
Greenhill Farms	Norview Community Center	Stormwater; Shoreline Management	Justin Shafer	05/21/2019	1	8	Civic League
Lafayette/Winona Civic League	Church of the Epiphany 1530 Lafayette Blvd	Street Sweeping/Grass Clippings & Leaves	Michelle Williams	05/21/2019	2	32	Civic League
News Channel 13	TV	Street Sweepers	Michelle Williams	05/13/2019		50000	Norfolk Residents
News Channel 13	Pump Station 1	Hurricane Prep/Flood Wall, Gates	Michelle Williams/John White	05/22/2019		50000	Norfolk Residents
Active Older Adults Day	YMCA	General Stormwater & Bay Star Homes	Michelle Williams	05/29/2019	3	30	Norfolk Residents
Ghent Elementary School	200 Shirley Ave. Norfolk 32517	School Program - The Magic of Water	Michelle Williams	06/10/2019	2	62	3rd grade school children
Harborfest	Towne Point Park, Norfolk	Pump Out Don't Dump Out	Michelle Williams	06/14/2019	3	500	Norfolk Residents/Boaters
Lindenwood/Cottage Heights/Barraud Park Civic League	Mt. Olive Baptist Church 2401 Ludlow St. Norfolk	Street Sweepers/Grass Clippings	Michelle Williams	06/11/2019	2	28	Civic League
Monticello Village Civic League	Wesley Grace United Methodist Church, 288 E Little Creek Rd 23505	Street Sweepers/Grass Clippings	Michelle Williams	06/20/2019	2	10	Civic League
Ghent Neighborhood League	The Hague School 739 Yarmouth St, Norfolk	Upcoming Hague Stormwater Project/ Street Sweeping/ Grass Clippings	Justin Shafer	06/20/2019	2	30	Civic League
Norfolk Marinas	8 locations in Norfolk	Pump Out Don't Dump Out	Michelle Williams	06/20/2019	4	450	Boaters

Communication Outline
Public Works Operations, Stormwater

MISSION: To improve water quality and reduce flooding city-wide

GOAL: To engage and reach every resident within the City to promote positive behaviors and actions that improve water quality and flooding. This will be achieved through educational programming, interactive outreach and teamwork.

IMPLEMENTATION PROCESS: Seasonal campaigns with a focused messaging approach will be put into place for spring 2014. Each seasonal campaign will touch on a different TMDL message and be designed with multiple sensory appeal. In addition, stormwater will continue to coordinate with Hampton Roads Planning District Commission campaigns through the HR Green initiative.
Storm Water will also continue to work with all City groups to combine Norfolk's environmental messages to provide a cohesive public outreach effort.

SUMMER 2018:

GRASS CLIPPINGS: Anything blown into the curb line has the potential to end up in our storm drains. This matter causes blockages and impact water quality due to the pollutants that it carries. Residents are asked to properly dispose of this waste and to keep their curb line clear.
Media sources: Community meetings/events, brochures, website, Festivals, Bay Star Homes, Social Media Postings, Sweeper Wraps

HURRICANE PREP/EOC/FLOODING: Flood Awareness plays an active role in Norfolk's Well Managed Government initiatives. Making room for and living with water are essential to Norfolk's future. It is important to know what to expect and work towards proactive solutions that will ensure our long-term success. Outreach will include messages about what to do in preparation, what to do during an actual event, along with reminders not to drive through water.
Media sources: Community meetings/events, website, Bay Star Homes, HRUBS insert

KEEP IT CLEAN-PUMP…DON'T DUMP: Boaters should use pump-out stations at local marinas instead of dumping waste over board. Though permitted by law, treated waste is still high in pollutants, and the treatment process does not reduce bacteria to a level that is safe for shellfish consumption.
Media sources: Community meetings/events, brochures, Festivals, Bay Star Homes, Boater Forums, Summer HRSD Pump-out programs

BAY STAR HOMES: This program is homeowner based and asks residents to make small behavioral changes to their lifestyle and homes in order to decrease their impact on the environment while improving water quality. Bay Stars is city-wide and regional
Media Sources: Community meetings, Mailings to specific neighborhoods, Festivals, Websites, EARNN

SCOOP THE POOP: Pick up your pet waste, even in dog parks. Pet waste increases bacteria and nutrient levels in waterways, leading to algae blooms, fish kills, fishing bans and beach closures.
Media Sources: Bags-on-board holders, Tip cards, Summer camps, Festivals, Bay Star Homes, Pet waste

station grants, Community meetings, Providing scoop the poop giveaways to the SPCA and Animal Cares Center

HOUSEHOLD HAZARDOUS WASTE/ELECTRONICS RECYCLING: Disposing of hazardous material inappropriately does affect water quality. Norfolk encourages residents to take these materials to HHW collection centers versus disposing of this with your regular trash or via a storm drain.
Media sources: HRUBS insert, Community meetings/events, Bay Star Homes, website

RETAIN YOUR RAIN: Resiliency focused outreach and workshops designed to encourage Norfolk's residents to take actions on their property to reduce flooding. This is being coordinated through the City Manager's Resiliency Office.
Media Sources: Community meetings/events, social media posts, website, print material-Decision Tree, Green Infrastructure video, Retain Your Rain App

FALL 2018:

TEST, DON'T GUESS ABOUT FERTILIZING: Homeowners and commercial property owners should only fertilize if needed and with quantities that are required. Coated and water-soluble slow-release fertilizers help roots develop and wash away less easily. Do not apply slow or time-released nitrogen at a rate above one pound per 1,000 square feet. Apply only what is needed.
Secondary Messaging: Soil Testing
Media Sources: Bay Star Homes, brochure, website, community meetings, festivals, sweeper wraps

LEAVES: Anything blown into the curb line has the potential to end up in our storm drains. This matter causes blockages and impact water quality due to the pollutants that it carries. Residents are asked to properly dispose of leaves and to keep their curb line clear.
Media sources: Community meetings/events, brochures, website, Bay Star Homes, sweeper wraps, HRUBS insert, Magazine Ad

STREET SWEEPING PROGRAM: The Street Sweeping equipment used by the City is meant to collect small debris and litter that decrease water quality. It is the responsibility of citizens and property owners to collect their yard waste and properly dispose of it – the City's Street Sweeping program is not liable for large debris pile pickups.
Fall Message: Leaves in storm drains and residents responsibility, Proper yard waste disposal
Media sources: Community meetings, brochures, website, Bay Star Homes, spotlights/news articles, social media postings, sweeper wraps

STORM DRAIN AWARENESS- ONLY RAIN DOWN THE STORM DRAIN: This slogan encompasses the stormwater message. Anything other than clean rainwater that enters the storm drain is a pollutant as well as a violation of a State-issued, EPA mandated permit. Pollutants that enter storm drains flow directly to our water bodies causing water quality problems.
Media sources: Compass ads, community meetings/events, brochures, website, in-school field trip programming, City ordinance/codes, Storm Drain Medallion Marking Grants, EARNN Program, HRUBS inserts, Festivals

BAY STAR HOMES: This program is homeowner based and asks residents to make small behavioral changes to their lifestyle and homes in order to decrease their impact on the environment while improving water quality. Bay Stars is city-wide and regional

Media Sources: Community meetings, Mailings to specific neighborhoods, Festivals, Websites, EARNN, HRUBS insert

HOUSEHOLD HAZARDOUS WASTE/ELECTRONICS RECYCLING: Disposing of hazardous material inappropriately does affect water quality. Norfolk encourages residents to take these materials to HHW collection centers versus disposing of this with your regular trash or via a storm drain.
Media sources: HRUBS insert, Community meetings/events, Bay Star Homes, In-school field trips, website, America Recycles Day

RETAIN YOUR RAIN: Resiliency focused outreach and workshops designed to encourage Norfolk's residents to take actions on their property to reduce flooding. This is being coordinated through the City Manager's Resiliency Office.
Media Sources: Community meetings/events, social media posts, website, print material-Decision Tree, Green Infrastructure video, Retain Your Rain App

Winter 2019:

Don't Feed Wild Ducks and Geese – Feeding wildlife discourages natural migration patterns and increases nutrient and bacteria pollution due to their waste.
Media sources: Community meetings, brochures, website, Bay Star Homes programming

STREET SWEEPING PROGRAM: The Street Sweeping equipment used by the City is meant to collect small debris and litter that decrease water quality. It is the responsibility of citizens and property owners to collect their yard waste and properly dispose of it – the City's Street Sweeping program is not liable for large debris pile pickups.
Winter Message: Holiday Schedules, Leaves/debris in curb line reminder
Media sources: Community meetings, brochures, website, Bay Star Homes, Sweeper wraps, spotlights/news articles, Social Media postings

Optional-As Needed Winter Storm Awareness/Snow and Ice – Winter storm awareness is important to everyone. As needed, we will actively remind residents of their responsibility to clear their sidewalks and the protocol for Public Works snow removal. This will include the message of not following the plows too closely and to give us room to prep/clear the roadways.
Media sources: Community meetings, press releases, Facebook reminders

BAY STAR HOMES: This program is homeowner based and asks residents to make small behavioral changes to their lifestyle and homes in order to decrease their impact on the environment while improving water quality. Bay Stars is city-wide and regional
Media Sources: Community meetings, mailings to specific neighborhoods, festivals, Websites, EARNN

RETAIN YOUR RAIN: Resiliency focused outreach and workshops designed to encourage Norfolk's residents to take actions on their property to reduce flooding. This is being coordinated through the City Manager's Resiliency Office.
Media Sources: Community meetings/events, social media posts, website, print material-Decision Tree, Green Infrastructure video, Retain Your Rain App

SPRING 2019:

TEST, DON'T GUESS ABOUT FERTILIZING: Homeowners and commercial property owners should only fertilize if needed and with quantities that are required. Coated and water-soluble slow-release fertilizers help roots develop and wash away less easily. Do not apply slow or time-released nitrogen at a rate above one pound per 1,000 square feet. Apply only what is needed.
Secondary Messaging: Soil Testing, Plant More Plants
SPECIFIC MESSAGE FOR GOLF COURSES: Golf Courses and fertilizer/lawn maintenance.
Media Sources: HRUBS inserts, Bay Star Homes, EcoFest/RiverFest, brochure, website, community meetings, HRPDC spring stormwater campaign, Coastal Virginia Living Guide.

SCOOP THE POOP: Pick up your pet waste, even in your own backyard. Pet waste increases bacteria and nutrient levels in waterways, leading to algae blooms, fish kills, fishing bans and beach closures.
Media Sources: Bags-on-board holders, Tip cards, In-school field trips, festivals, Bay Star Homes, Pet waste station grants, Community meetings, In-school field trips, Providing scoop the poop giveaways to the SPCA and Animal Cares Center, Partnership with Norfolk Admirals for Pucks & Paws games

BAY STAR HOMES: This program is homeowner based and asks residents to make small behavioral changes to their lifestyle and homes in order to decrease their impact on the environment while improving water quality. Bay Stars is city-wide and regional
Media Sources: Community meetings, Mailings to specific neighborhoods, Festivals/Events, Website, EARNN, askHRgreen

BAY STAR BUSINESSES: NEW Outreach Launch: Promote practices that will help with TMDL. Use with Industrial Permit
Media Sources: askHRgreen, website, media press release, rack cards for automotive companies, landscaping companies and pet related companies

GRASS CLIPPINGS: Anything blown into the curb line has the potential to end up in our storm drains. This matter causes blockages and impact water quality due to the pollutants that it carries. Residents are asked to properly dispose of this waste and to keep their curl line clear.
Media sources: Community meetings/events, brochures, website, Festivals, Bay Star Homes, workshops, spotlights/news articles, City ordinance/code, In-school field trips
NEW grass clippings video - social media (Fb, Twitter, YouTube)

Know Where Your Car Wash Runoff Goes – Though commercial and mobile car washes are required to have permits in order to discharge soapy liquids, residents are not. We encourage residents to utilize car wash facilities or wash their vehicle on their lawn in order to minimize soapy runoff.
Media sources: HRUBS insert, Community meetings/events, Tipcard, In-school field trips, City ordinance/codes, Commercial/mobile car wash permit/license

Communication Plan FY2019

	FY19											
Campaign	July	August	September	October	November	December	January	February	March	April	May	June
Test, Don't Guess: Fertilizer												
Soil Testing												
Plant More Plants												
Scoop the Poop												
Storm Drains: Grass Clippings												
Storm Drains: Leaves												
Keep It Clean: Pump-Don't Dump												
Bay Star Homes/Bay Star Business												
Car Washing: Know Where it Goes												
Household Hazardous Waste												
Emergency/Hurricane Prep/Flood												
Street Sweeping												
Don't Feed the Wildlife												
Only Rain Down the Drain												
Tree Planting												
Fill Permits												
Industrial Permits												
Nutrient Management Plans												
Rain Barrels												
Retain Your Rain												

ANNUAL REPORT

2018-2019

PEP19-02

askHRgreen.org

WORKING TOGETHER FOR A CLEANER, GREENER HAMPTON ROADS

HAMPTON ROADS PLANNING DISTRICT COMMISSION

CHESAPEAKE
James Baker
Robert Geis
Steven Best
Debbie Ritter
Ella Ward

FRANKLIN
Barry Cheatham
Amanda Jarratt

GLOUCESTER COUNTY
Brent Fedors
Phillip Bazzani

HAMPTON
Donnie Tuck
James Gray
Mary Bunting

ISLE OF WIGHT COUNTY
Randy Keaton, Treasurer
William McCarty

JAMES CITY COUNTY
Scott Stevens
Michael Hipple, Chair

NEWPORT NEWS
McKinley Price
Cynthia Rohlf
David Jenkins

NORFOLK
Kenneth Alexander
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Courtney Doyle
Mamie Johnson
Andria McClellan, Vice Chair

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Randall Wheeler
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Guy Tower
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Vacant

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Paul Freiling
Andrew Trivette

YORK COUNTY
Neil Morgan
Sheila Noll

Robert A. Crum, Jr.
Executive Director / Secretary

PEP19-02

Report Documentation

TITLE:
askHRgreen.org Annual Report for Fiscal Year 2018-2019

REPORT DATE
September 2019

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 2018-2019. It also provides an overview of the individual initiatives and results from each of the four askHRgreen.org environmental education subcommittees: 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 2019, approved by the Commission in May 2018.

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 taking advantage of economies of scale, the askHRgreen.org program is able to help local jurisdictions fulfill requirements of MS4 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 earth-friendly landscaping ideas and pointers for keeping local waterways clean to recycling tips and simple steps to make local living easy on the environment, 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 local staff and HRSD comprise four askHRgreen.org subcommittees who meet monthly to develop and implement the regional program.

Recycling and Beautification Subcommittee *- 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, and recycling education. This group has been working cooperatively since 1981.*

Fats, Oils, and Grease (FOG) Education Subcommittee *- 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 Subcommittee 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 Subcommittee *- Regional public utilities staff members who work together to educate citizens about aging infrastructure, the value of tap water, and the importance of water conservation. This cooperative effort to promote the vital role water plays in the quality of life of Hampton Roads and the need to conserve it assists localities in meeting requirements of various locality goals as well as water supply and ground water permit education requirements.*

Stormwater Education Subcommittee *- A cooperative partnership of the region's seventeen member cities and counties 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 tailored to stormwater pollution prevention.*

2018-19 Highlights

eleven million *opportunities*
to see or hear about askHRgreen.org

58,893 *visitors to askHRgreen.org*

42 *community events* **with over 350,000 people in attendance**

BAY STAR PROGRAM

3,072 *homes*

39 *businesses*

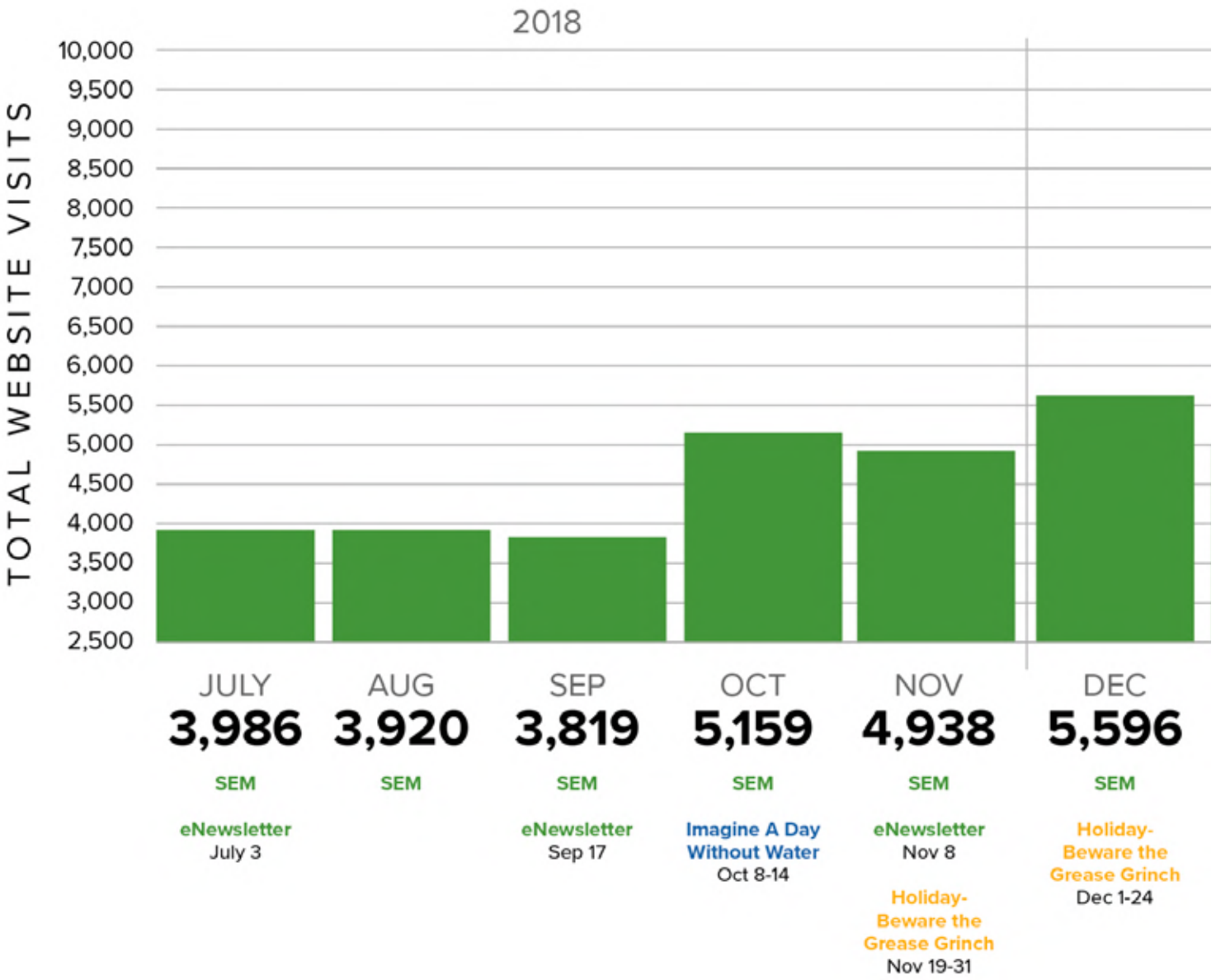
7,497 *students impacted by* **$9,668**
in environmental education mini grants

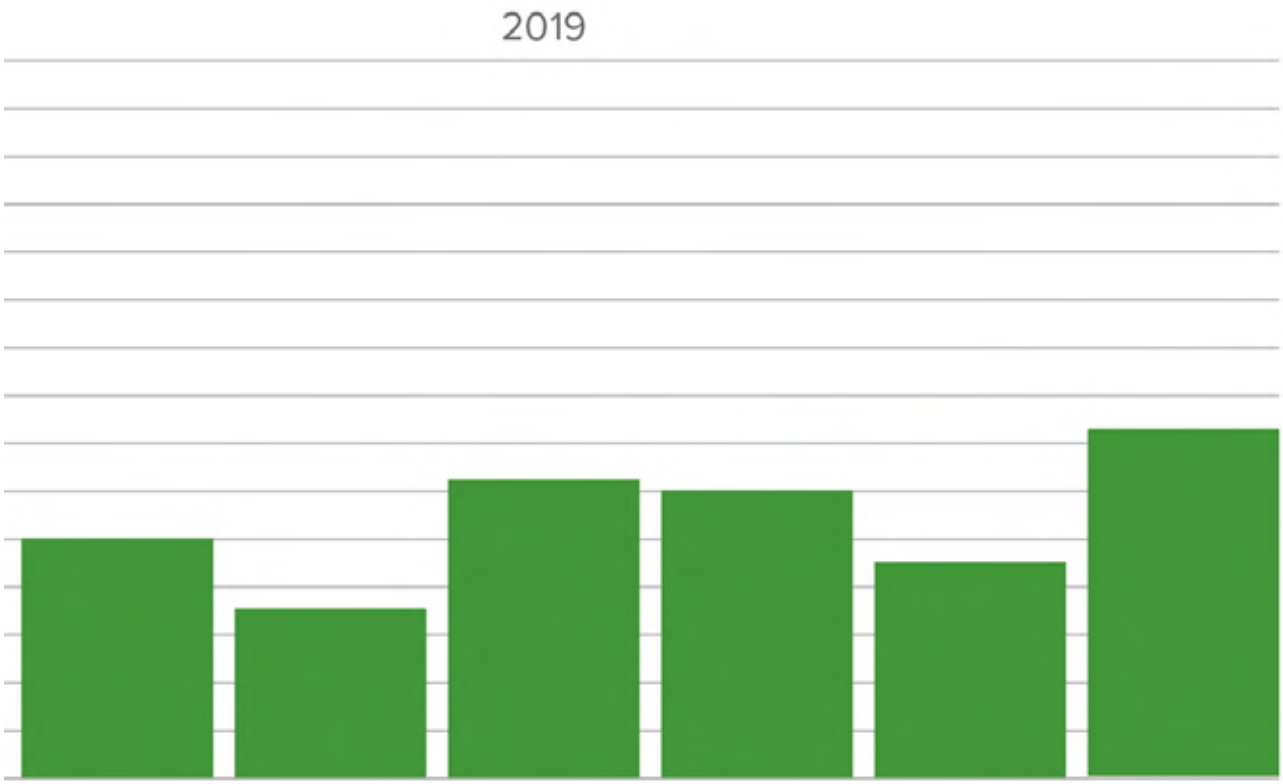
64 *pet waste stations installed*
impacting neighborhoods across the region

22,000 *Green Learning Guides*
printed and distributed to third grade students

@askHRgreen	@HRgreen	@askHRgreen	eNews Followers
2,576	1,701	249	7,878

PROMOTIONS + WEBSITE VISITATION





JAN	FEB	MAR	APR	MAY	JUN
5,068	**4,336**	**5,621**	**5,542**	**4,781**	**6,127**
SEM	SEM	SEM	SEM	SEM	SEM
eNewsletter Jan 2		eNewsletter Mar 7	Team Up 2 Clean Up Apr 1-7	eNewsletter May 21	Pet Waste Jun 3-16
Choose to Refuse Jan 28-Feb 10		What Not to Flush Mar 4-10		Value of Water/ Drinking Water Week May 5-11	What Do You Know/Storm Drains Jun 17-23
		Fix-A-Leak Mar 18-24			

Website Analytics

In December of 2017 we launched a brand new, responsive website for askHRgreen.org, ensuring that all of our content would be delivered seamlessly to any user on any type of device. In FY19, the askHRgreen.org website saw a 5.6% increase in traffic over FY18 and a 9% increase in unique visitors (the number of people accessing the site). We also continue to see an increase in traffic from phones and tablets as opposed to desktop devices, as mobile users climbed to 57% in FY19.

Top Traffic Sources	Sessions
google organic	21,872
wtkr (digital ads & paid search)	16,631
direct	13,278
facebook	2,823
hrfrog.com referral	742
other referral	728
bing organic	439
yahoo organic	234

Most Visited Pages	Pageviews
Homepage	9,473
/disposable-diaper-liners-flush-flush/	3,374
/gtk-gtd/recycling-at-home/	3,341
/events-happenings/	3,288
/gtk-gtd/electronics-recycling-donating/	2,423
/campaign/beware-the-grease-grinch/	2,226
/gtk-gtd/plastic-bag-recycling/	1,785
/gtk-gtd/battery-disposal/	1,516
/gtk-gtd/fat-free-drains/	1,423
/programs/great-american-cleanup/	1,392
/campaign/pet-waste/	1,326
/programs/bay-star-homes/	1,249
/dont-trash-the-grass	1,212
/gtk-gtd/restoring-chesapeake-bay/	1,135
/campaign/choose-to-refuse-single-use-plastic/	1,101
/gtk-gtd/plant-native-plants/	1,096
/gtk-gtd/lawn-garden-best-practices/	1,071
/blog/	1,009

	2018-19	2017-18	2016-17	2015-16	2014-15
Visits	**58,893**	55,735	58,113	52,530	58,279
Unique Visitors	**49,816**	45,661	46,282	42,539	46,994
Pageviews	**86,538**	93,589	92,681	93,177	103,228
Pages per Visit	**1.47**	1.68	1.59	1.77	1.77
Average Visit Duration	**1:03**	1:27	1:12	1:32	1:26
Bounce Rate	**81%**	77%	79%	75%	75%
% New Visits	**84%**	81%	80%	80%	80%
Mobile Devices	**57%**	54%	53%	40%	39%
Desktop Devices	**43%**	46%	47%	60%	61%

Search Engine Marketing

The askHRgreen.org Search Engine Marketing (SEM) program employs Google pay-per-click advertising to increase traffic to the askHRgreen.org website. By bidding on select keywords and phrases, our ads direct search traffic to relevant content on the askHRgreen.org website.

In FY19, we had more than 210,000 Google search impressions from our ad campaigns which drove over 11,000 clicks (a 51% increase from FY18) to relevant content on the askHRgreen.org website for a click thru rate of 5.26%.

That translates into one click to the website for every 20 askHRgreen.org ads that appear in Google search results. See appendix A for the full SEM report for FY19.

	2018-19	2017-18	2016-17
Impressions	**210,695**	169,140	107,920
Clicks	**11,087**	7,330	4,226
CTR (click-thru rate)	**5.26%**	4.33%	3.92%

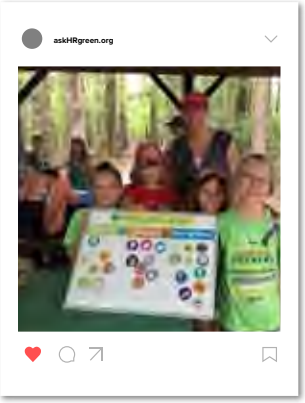
Ad Group	Impressions	Clicks	Cost	CTR	Avg. CPC
Electronics Disposal	28,527	2,296	$2,887.43	8.05%	$1.26
Reduce Reuse Recycle	27,630	1,584	$2,318.04	5.73%	$1.46
TMDL	21,119	1,218	$1,756.77	5.77%	$1.44
Recycling At Home	21,741	843	$1,170.26	3.88%	$1.39
Native Plants	19,615	769	$963.02	3.92%	$1.25
Battery Disposal	9,017	673	$765.62	7.46%	$1.14
Great American Cleanup	12,199	547	$756.10	4.48%	$1.38
askHRgreen General	3,467	484	$285.25	13.96%	$0.59
Medication Diposal	6,347	425	$503.88	6.70%	$1.19
Tap Water	8,549	337	$490.08	3.94%	$1.45
Plastic Bag Recycling	4,866	303	$351.29	6.23%	$1.16
Fertilizer Tips	7,471	216	$325.28	2.89%	$1.51
America Recycles Day	2,087	211	$309.18	10.11%	$1.47
Rain Barrels	5,626	183	$230.09	3.25%	$1.26
Lawn Care	9,029	166	$256.77	1.84%	$1.55
Team Up 2 Clean Up	3,252	128	$192.36	3.94%	$1.50
Soil Testing	4,401	127	$176.08	2.89%	$1.39
Rain Garden	2,392	82	$91.94	3.43%	$1.12
Water Conservation	1,593	75	$86.92	4.71%	$1.16
Stormwater	991	57	$83.22	5.75%	$1.46
Pet Waste	2,125	57	$73.35	2.68%	$1.29
Yard Waste Disposal	1,964	57	$84.77	2.90%	$1.49
Food Disposal	2,342	48	$69.38	2.05%	$1.45
Bay Star Homes	217	47	$33.68	21.66%	$0.72
Fats Oil Grease Disposal	1,009	41	$60.37	4.06%	$1.47
	210,695	**11,087**	**$14,472.56**	**5.26%**	**$1.31**

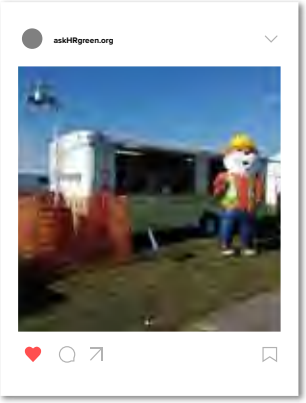
Community Outreach

Events

Each year askHRgreen.org receives numerous invitations to participate in community events. This is a vital touchpoint with residents in Hampton Roads. While some events appeal to green-minded residents, many are geared towards the general public. This provides an important opportunity for askHRgreen.org volunteers to share information about eco-friendly behaviors with those who may be hearing them for the first time. One important engagement tool for community events is the askHRgreen.org trailer. Originally part of the HR WET program formed in the early 1990s, the trailer was first wrapped with an askHRgreen.org design in 2011. The four askHRgreen.org committees worked together to fund important repairs to the trailer in FY19. The repairs included a new wrap designed to match the updated askHRgreen.org website; repairing punctures to exterior sheet metal; and new tires, marker lights, window seals, electrical wiring and more. In total, the askHRgreen education committees invested about $6,500 to extend the life of the askHRgreen.org trailer.

From employee appreciation days to home improvement shows to the Virginia State Fair, community events provide askHRgreen.org volunteers an opportunity to network with residents and distribute program materials including promotional items and brochures. Events are a critical part of increasing the following of the askHRgreen.org newsletter. In FY19, over 225 people signed up to receive our news and information during outreach events. In addition, more than 325,800 event attendees may have seen askHRgreen.org materials or interacted with program volunteers at the 42 events attended in 2018-2019.





2018-2019 Regional Events			Estimated Attendance
8/18	Unity in the Community	Chesapeake	500
8/25	Bufflow Family & Friends Community Day	Chesapeake	1000
9/8	Go Green Festival	Newport News	1000
9/29	James Riverfest	Williamsburg/ James City County	600
10/1	Virginia State Fair	Doswell, VA	250000
10/4 - 10/7	Peanut Festival	Suffolk	50000
10/23 -	HII Environment, Health & Safety Expo	Newport News	2100
10/29	6th Annual Monster Mega Mixer &	Virginia Beach	800
11/3	Litter & Recycling Expo	James City County	100
11/8	Canon Virginia Annual Safety &	Newport News	unavailable
11/13	Anthem Eco Fair	Virginia Beach	300
11/15	Anthem Eco Fair	Norfolk	300
12/14	Continental Automotive Energy &	Newport News	150
1/12	Jam'n Jamz	Norfolk	400
1/14 - 1/17	Home Gardener Day + MAHSC	Virginia Beach	677
1/25 - 1/27	Virginia Flower & Garden Expo	Virginia Beach	unavailable
2/9 - 2/10	Hampton Roads Home Show	Hampton	5200
2/10	Engage Norfolk	Norfolk	150
2/19	Colonial Heritage Garden Club	Williamsburg/ James City County	75
3/9	CA Day	Virginia Beach	641
3/20	Las Gaviotas Green Forum	Chesapeake	20
3/23 - 3/24	Mid Atlantic Home & Outdoor Living Show	Virginia Beach	4525
4/6	Southern Chesapeake Community Day	Chesapeake	unavailable
4/6	Hampton Touch a Truck	Hampton	101
4/14	Wings & Things Spring Fling	Portsmouth	unavailable
4/18	Norfolk Naval Shipyard Earth Day Fair	Norfolk	300
4/20	Virginia Living Museum Earth Day	Newport News	1300
4/22	TCC Cares	Chesapeake	100
4/23	VA AWWA 30th Annual Water Distribution	Norfolk	75
4/27	Celebrate the Park	Newport News	400
4/27	Community Empowerment Day	Newport News	200
4/28	Stand Up Rally and Expo	Williamsburg	150
5/8	City of Virginia Beach Public Utilities	Virginia Beach	275
5/10	City of Suffolk Employee event	Suffolk	1400
5/11	Virginia Landscapes Exhibition at the	Newport News	150
5/16	Sensible Seafood Fest	Virginia Beach	400
5/23	City of Virginia Beach Public Works	Virginia Beach	415
5/31	CARE and Wellness day	Chesapeake	250
6/2	Colonial Coast Girl Scout World	Chesapeake	50
6/6	NASA Langley Safety & Health Expo	Hampton	500
6/23	Elizabeth River Fest	Virginia Beach	3000
6/28	TGIF Summer Concert Series	Suffolk	200

Bay Star Homes

The Bay Star Homes program entered its third year of operation in FY19. The program recognizes residents who pledge to avoid environmentally-harmful behaviors and encourages private property owners to implement voluntary stormwater management practices such as rain barrels, rain gardens, and downspout disconnects. Residents are also encouraged to incorporate more environmentally-friendly choices into their daily routines such as waste reduction and fat free drains. In FY19, there were 379 new Bay Star Homes added across the region, bringing the program total to nearly 3,100 households.

Bay Star Homes Registrants

City/County	Number
Chesapeake	130
Franklin	13
Gloucester	19
Hampton	106
Isle of Wight	9
James City	10
Newport News	211
Norfolk	2092
Poquoson	15
Portsmouth	36
Smithfield	13
Southampton	2
Suffolk	134
Surry	2
Virginia Beach	204
Williamsburg	8
York	68
Total	**2,708**

Great American Cleanup

The Team Up 2 Clean Up (TU2CU) program moved from education to action during FY19. Launched in 2018, the TU2CU program makes it easier for residents and businesses alike to get involved with litter prevention and cleanup initiatives. An online outreach toolkit includes resources for everyone from schools and civic leagues to businesses and neighbors. Anyone can download these resources to educate their peers/employees about litter.

During FY19, the askHRgreen.org Recycling & Beautification Committee hosted a National Kickoff to the Great American Cleanup on May 3-4, 2019. In partnership with Keep Virginia Beautiful, the Committee worked together to plan cleanup and beautification projects in 13 Hampton Roads localities on each day of the event. Volunteers were recruited through the website, social media, newsletters, paid media, and word of mouth. In the end, 71 public spaces were improved through the work of over 1,000 volunteers. Improvements included removing more than 15 tons of litter from the environment including over 150 tires, as well as tending community gardens by weeding, spreading mulch, and planting new plants and trees. Odd and unusual finds from the litter cleanup were set aside and delivered to local scrap artist, Sam Hundley, who transformed found objects into a trash-to-treasure art piece to commemorate the event and extend the TU2CU message throughout the community. The artwork will be on display in venues across the region in 2019 and 2020 to inspire citiznes to get involved with cleanup initiatives.

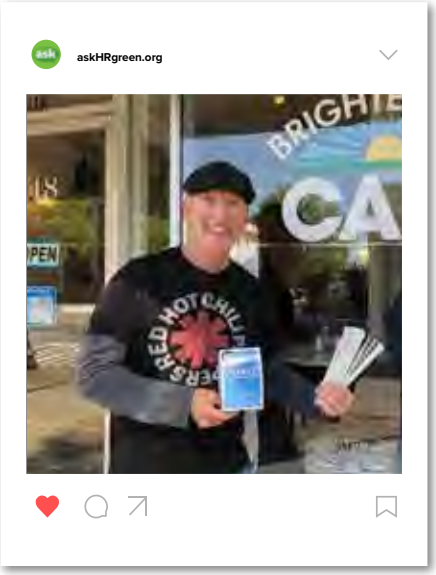
Imagine a Day Without Water

Municipal water services are a vital service for both residents and businesses in Hampton Roads. Local breweries and coffee shops are particularly dependent on a consistent supply of clean, healthy tap water. Tapping into these natural advocates for clean water, the askHRgreen.org Water Awareness Committee partnered with local breweries and coffee shops to raise awareness about the importance of water. The campaign included branded coffee sleeves and coasters that donned messages illustrating that coffee and beer are 95-99 percent water.

This special promotion engaged 23 local breweries and coffee shops around the region. The coffee sleeves and coasters were distributed starting on October 10, 2018, as part of the national Imagine a Day Without Water campaign. This advocacy and awareness campaign addresses the importance of maintaining the water and wastewater systems that bring a steady flow of water to and from residents, businesses, schools, hospitals and emergency outlets. Two videos were produced with Traditions Brewing and Coaster Coffee to give business owners an opportunity to talk about the important role water plays in brewing their beverages of choice. The campaign was also supported on social media and extended through the social media accounts of partnering establishments.

Straw-Free Earth Day

Single use plastics, particularly straws, received considerable international attention in FY19. In order to leverage the increased public awareness surrounding this issue, the askHRgreen.org Recycling & Beautification Committee recruited restaurants to go straw-free for Earth Day in April 2019. In partnership with Keep It Beachy Clean and Clean Virginia Waterways, the Committee asked restaurants to supply straws only upon request on April 22nd and, if possible, for the preceding weekend. The Committee provided participating restaurants with a sample of paper straws to provide to customers who requested a straw during the promotion, as well as branded window clings, menu cards, table tents, and educational placemats. These materials helped educate the public about the wastefulness of straws and encouraged everyone to skip the straw. Through grassroots outreach, 69 restaurants across seven localities joined this campaign and went straw-free for Earth Day.

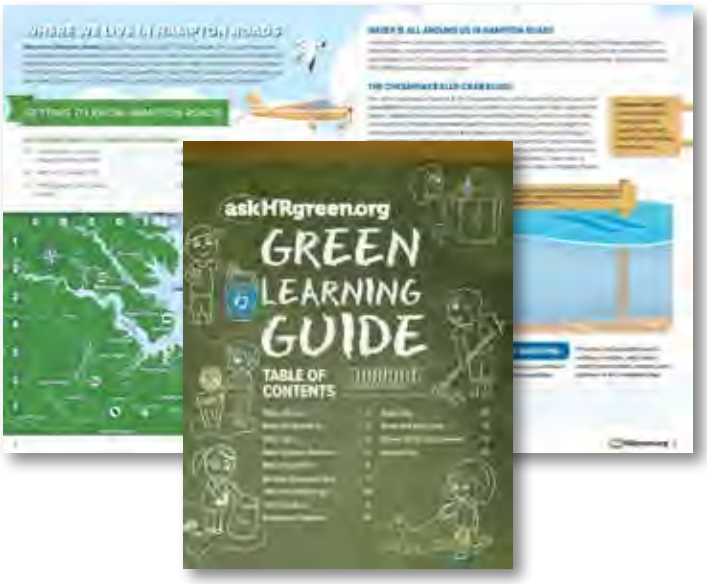


Green Learning Guide

Completed in FY18, the second edition of the askHRgreen.org Green Learning Guide was tailored to fit the environmental education needs of the region's third grade students. With help from a Chesapeake Bay Restoration Fund grant and financial support from local cities and counties, the third grade Green Learning Guide was designed to meet Virginia SOL standards, making it easy for teachers to bring environmental concepts into the classroom. These free guides showcase educational content in a fun, interactive format with colorful maps, bold graphics, and creative activities to connect students to our Hampton Roads environment. A similar sixth grade Green Learning Guide was first published by askHRgreen.org in 2012, but the third grade edition was brand new for the 2018-19 school year.

During the fall of 2018, HRPDC staff worked with local science coordinators and other school administrators in the 13 school districts of Hampton Roads to develop a distribution strategy to get free copies of the Green Learning Guide into the hands of every third grade public school student in the region. In total, about 22,000 copies of the guide were provided to schools at no charge. Once distribution was complete, there were about 9,000 copies remaining, which will be available on demand for private schools, homeschool students, and third grade students during the 2019-2020 school year.

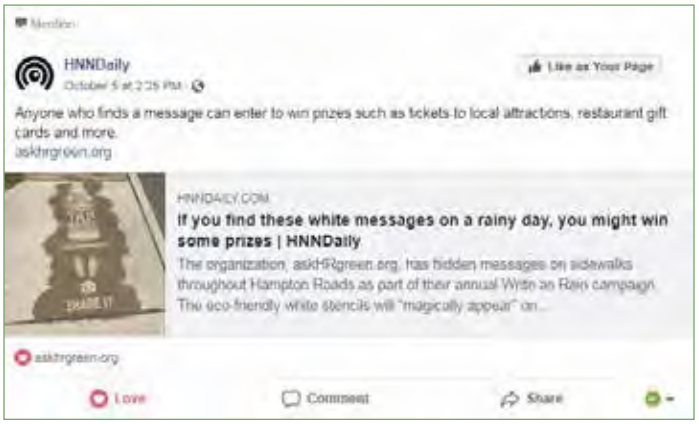
Both editions of the Green Learning Guide and accompanying teacher's guides are available for download on the askHRgreen.org website.



Sidewalk Message Campaign

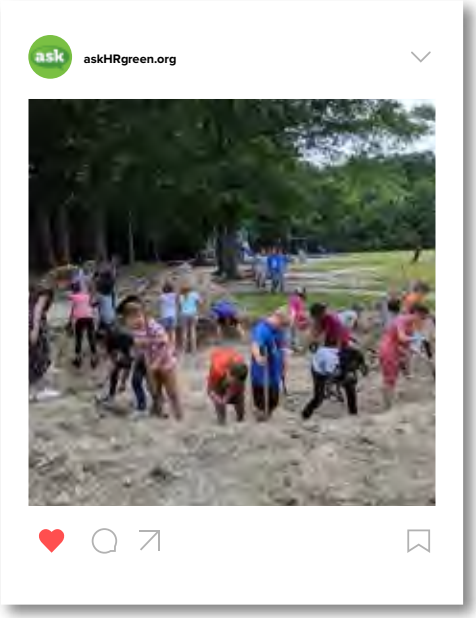
All four askHRgreen.org education committees worked together to revamp the Write as Rain project in FY19. Originally launched in 2017, the Write as Rain campaign involves installing stylized messages on sidewalks around the region using a hydrophobic spray that allows the messages to be seen only after rain.

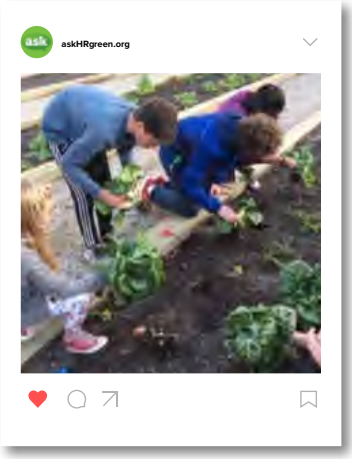
The FY19 outreach strategy specifically targeted youth and their parents. In advance of the new school year, local staff partnered with schools and community centers to install messages to area sidewalks. This year's four new designs asked students and parents to make a pledge for a cleaner environment. Messages included "Purge the plastic, I choose tap water," "I won't stand for litter," "I pledge only rain down the drain," and "I won't add wipes to our pipes." The campaign was accompanied by a social media contest asking residents to post pictures of the stencils in exchange for a chance to win gift certificates to local restaurants and attractions. In total, nearly 80 locations across nine cities and counties were tagged with a Write as Rain message as part of this campaign.

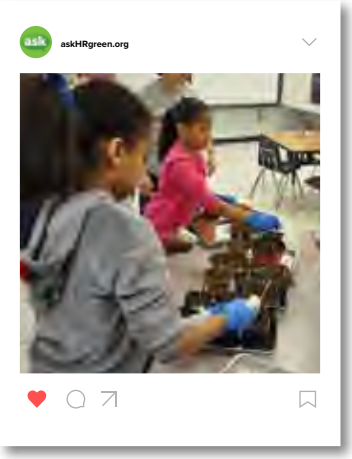


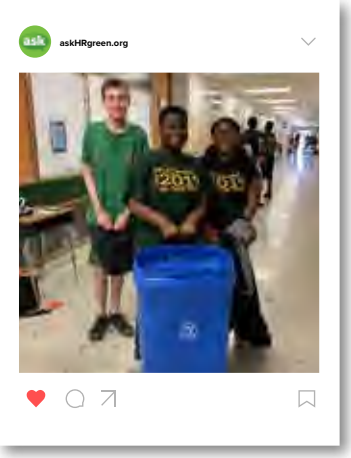
Environmental Education Mini Grant Program

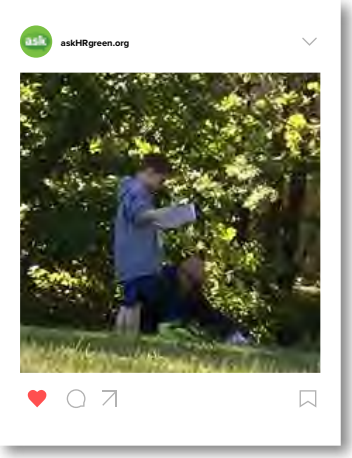
Supporting environmental education in the classroom has been a long standing commitment of askHRgreen.org. With a small amount of grant funding, local educators are able to spark an idea in the minds of our region's youth and encourage tomorrow's leaders to make a positive impact on our environment. askHRgreen.org offers all Hampton Roads teachers (K-12), youth leaders, or organizations working with youth environmental education mini grants of up to $500 to provide funding for environmentally-themed projects. In FY19, $9,668.06 in grant funding was awarded to support 20 projects in and out of the classroom. These projects reached nearly 7,500 students across Hampton Roads and included drip irrigation for water conservation, demonstration rain gardens, air quality monitoring, new recycling programs, upcycled trash cans and bottle caps, and for the first time, a schoolyard chicken coop.











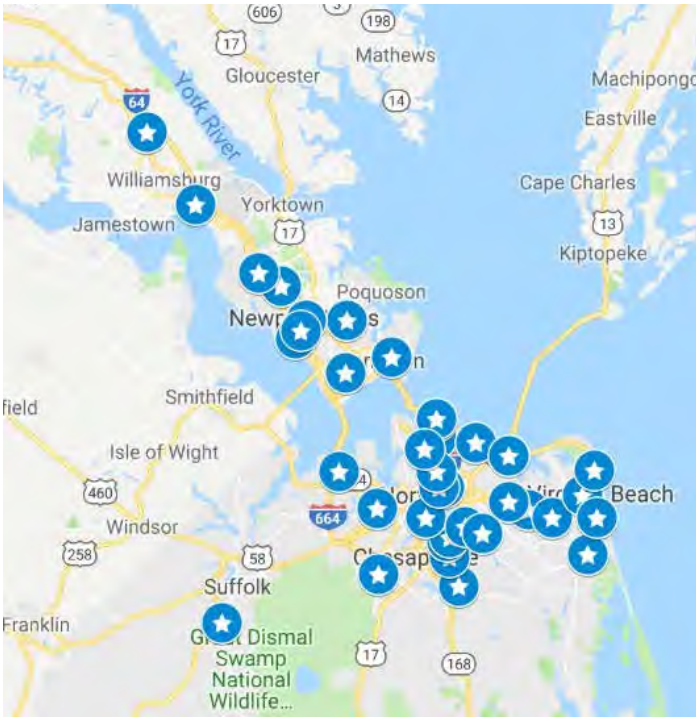
Project	# Students	Project Description	School/Organization	City/ County	Grant
Be Fantastic, Use Less Plastic	1200	This project will install water bottle filling stations at Hugo Owens Middle School.	Hugo Owens Middle School	Chesapeake	$500.00
Butterfly and Bee Garden	397	A butterfly garden was planted at Barron Fundamental Elementary School.	Barron Fundamental Elementary School	Hampton	$250.00
Chicken Coop in Our Garden	40	This project funded a chicken coop designed and constructed by garden club students.	Maury High School	Norfolk	$500.00
Community Learning Garden and Beautification Project	40	This project mitigated drainage issues along the front walkway to Saunders Elementary and the installation of a community learning garden.	Saunders Elementary/ Youth Volunteer Corps of Hampton Roads	Newport News	$500.00
Creating, Conserving, and Protecting Monarch Habitats	569	This project features a compost bin, and raised garden beds to be built in the fall. Students also will place milkweed with butterfly eggs in mesh cages to observe the life cycle of the butterfly.	Great Bridge Primary School	Chesapeake	$500.00
Downstream Collaborative	79	This grant sought to create and support meaningful watershed opportunities that connect students with community partners.	Kempsville Meadows Elementary School	Virginia Beach	$500.00
Drip Smart	80	The Drip Smart project helped convert the Williamsburg Community Growers farm to a drip irrigation system.	Williamsburg Community Growers	Lightfoot	$500.00
Eaton Middle School Lunch Recycling Program	650	This project helped create a lunchroom recycling and composting program run by Ecology Club students.	Eaton Fundamental Middle School	Hampton	$418.06
Granby Go Green	20	This project beautified the garden and repaired a trellis at Granby High School.	Granby High School	Norfolk	$500.00
Green Run Demonstration Rain Garden	42	This project installed a rain garden at Green Run High School.	Green Run High School	Virginia Beach	$500.00
Keeping the Chesapeake Bay Clean	925	This project provided library books about environmental stewardship to Western Branch Middle School.	Western Branch Middle School	Chesapeake	$500.00
Keeping the Vibrance and Learning in Our Gardens	530	This project was a continuation of a multi-year effort at to expand Newtown's morning garden club.	Newtown Elementary School	Virginia Beach	$500.00
Lights of Love for the Hague	50	The Lights of Love Attraction created a walking path around the Hague with luminaries decorated by guests and facilitated by volunteers from Maury High School.	Breathe Easy and Smile Yoga Co.	Norfolk	$500.00
Little Hands Big Clean Up	600	This project implemented a recycling program at Granby Elementary School.	Granby Elementary School	Norfolk	$500.00
Norfolk Academy Pollinator Garden	400	This project involved building raised bed gardens and a new greenhouse at Norfolk Academy.	Norfolk Academy	Norfolk	$500.00
One Man's Trash is Another Man's Treasure	25	This beautification project took trash cans throughout the school and transformed them into works of art.	Western Branch Middle School	Chesapeake	$500.00
Plants & Air Quality	100	This project will fund the use of an Air Quality Egg learning system in York County high schools.	York County Beautification Committee	Yorktown	$500.00
Plastic Bottle Art	150	This project will continue efforts at Lakeland High School to create art from recycled items.	Lakeland High School	Suffolk	$500.00
Snip-N-Drip	1400	This project installed a watering system in the school pollinator and vegetable gardens.	Old Donation School	Virginia Beach	$500.00
Soak Up the Rain!	200	This project guided students to create a rain garden in an eroded area and conduct monthly litter clean-ups.	Spratley Gifted Center	Hampton	$500.00
	7,497				**$9,668.06**

Business Outreach

Bay Star Business Program

Launched in June 2018 by the Stormwater Subcommittee, the Bay Star Business Program offers a free, pledge-based program to Hampton Roads companies that are committed to protecting water quality in the region. Business owners sign up online and select at least five of 15 suggested practices to become part of the program. Practices promoted through the program include conserving water, recycling, cleaning and preventing litter, maintaining company vehicles, organizing a community cleanup, and more. Most action items are no- or low-cost solutions to help businesses run more efficiently while being stormwater stewards. In return for their pledge, HRPDC staff mails the business a welcome packet including pertinent information from askHRgreen.org and the city or county in which they operate, as well as Bay Star Business window clings to display in their office or on company vehicles. Participating businesses also receive recognition on the askHRgreen.org website and Facebook page.

New in 2019, a Google map was added to the website to visually display all participants. This makes it easier for residents to find a Bay Star Business near them while also illustrating the geographic reach of the program. The



program has grown to include nearly 40 companies in its first year from a diverse range of businesses including real estate firms, landscapers, museums, marinas, schools, and restaurants.

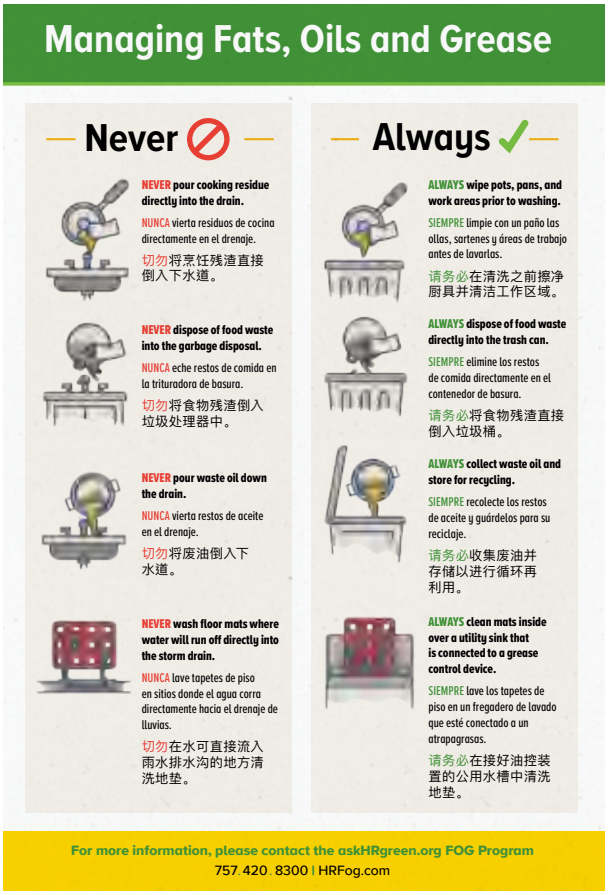
Fats, Oils, and Grease (FOG) Commercial Training and Certification Program

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, and the free certification program is available to anyone through the HRFOG.com website.

Various updates and enhancements were made to HRFOG.com during FY19. The changes improved the user experience but also made it easier for administrators to clean up and manage data. HRPDC staff now have access to data pulls from the database making it possible to proactively monitor the database for fraudulent accounts and duplicate user and business profiles. The developer has also taken the first steps to convert the website to a responsive design. Once the conversion is complete, FOG program administrators will be better able to administer tests in the field and will have to rely less often on paper tests.

The FOG Education Subcommittee also produced two new brochures to use in outreach to local restaurants. The first combines the best management practices poster with descriptions of FOG, common sources, and how to comply with local FOG ordinances. The second piece was developed to help FOG inspectors educate local restaurant owners about proper storage and management of yellow grease, including how to respond to spills.

In FY19, the FOG Education Subcommittee reviewed the 2007 Memorandum of Agreement (MOA) between HRSD and participating localities. It came to light that not all localities had adopted the MOA when it was originally created in 2007. The Subcommittee recommended several changes to the document to be more inclusive for localities that do not have a FOG ordinance or no FOG enforcement program. The updated MOA was presented for review and approved by the Directors of Utilities. Each locality plans to formally adopt the new MOA during FY20.



Illicit Discharge Rack Cards

Certain industries have a greater potential to discharge harmful waste into the stormwater system and local waterways through the course of their work. In order to arm local stormwater inspectors with better tools for education and outreach, the askHRgreen.org Stormwater Education Subcommittee developed industry-specific rack cards for the following high priority industries: lawn care and landscaping, automotive services (such as car dealers, repair shops, and fleet maintenance), and animal services (including animal boarding facilities, animal shelters, pet groomers, and veterinary offices). Each rack card addresses sources of pollution produced by that industry and recommends the proper steps to take to prevent illicit discharges.

The Subcommittee targeted the lawn care industry further by mailing letters and educational resources to landscaping businesses licensed in the following cities: Chesapeake (51), Hampton (40), Newport News (257), Norfolk (208), Portsmouth (188), Suffolk (211), and Virginia Beach (397). In total, 1,352 letters were mailed to landscape and lawn care companies in Hampton Roads to help companies better understand how they can comply with local stormwater requirements and prevent water pollution from illicit discharge.

2018-19 Media Campaigns

Waste Reduction

With turbulent recycling markets and changing municipal recycling contracts, the priority of the Recycling & Beautification Subcommittee has increasingly focused on waste reduction. While recycling education continues to be an important initiative, the waste reduction message helps residents decrease their waste contribution no matter the state of recycling. The Subcommittee's message for residents is that we should all choose to reduce our waste production first before focusing on what can and cannot be recycled.

Paid Media. A one-week radio, two-week digital media campaign ran from January 28 to February 10, 2019. The campaign included new creative using the theme Choose to Refuse. The campaign focuses on single use plastics including bottled water, straws, utensils, take out containers, and plastic bags. Viewers are urged to refuse disposable products and choose reusable alternatives. The campaign included radio, Spotify, digital display ads and retargeting, native content ads, social media, and targeted pre-roll. Throughout the year, specific waste reduction messages were included in the Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. In support of the waste reduction message, the Committee purchased reusable portable cutlery sets and reusable straws to distribute at outreach events. Both items provide a practical alternative to help residents reduce their use of single use disposable plastics.

Public Relations. Public relations support succeeded in promoting the waste reduction message through a variety of media channels including news releases, interviews with local TV (WTKR) and radio shows, print coverage (Suffolk News Herald, Southside Daily), and articles in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook, Twitter, and Instagram. Outreach included sharing waste reduction tips, upcycling projects, and stories about the negative environmental impacts of plastics and our throw away culture. The paid Facebook campaign for the Choose to Refuse campaign was the highest performing campaign in FY19, reaching over 106,000 users in February 2019.

Litter Prevention

Litter was a major focal area for the Recycling & Beautification Committee in FY19. In partnership with Keep Virginia Beautiful, the Committee organized and hosted the National Kickoff to the Great American Cleanup on May 3-4, 2019. More than 1,000 volunteers took to the streets to remove litter from parks and roadways, plant trees, tend gardens, and freshen up public spaces across Hampton Roads. In total, 71 locations across 13 cities and counties were spruced up as a result of the effort. The Committee also promoted litter prevention and the Team Up 2 Cleanup campaign in the following ways:

Paid Media. A one-week media campaign ran from April 1-7. The campaign included radio and social media. The purpose of the campaign was to educate residents about local litter problems and recruit volunteers to take action by joining one of the events planned for May 3-4. Throughout the year, specific litter prevention messages were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. Through the Virginia Litter

Prevention and Recycling Competitive Grant, the Committee purchased 800 class 3 hi-vis safety vests with the Team Up 2 Clean Up logo imprinted on the back. The new vests improve morale among volunteers and help identify roadside cleanups as voluntary acts of community service.

Public Relations. Public relations was an important part of litter prevention messaging in FY19. Messages about litter prevention and cleanups were featured in various media channels including news releases, interviews with local radio and TV shows (WCTV, WVEC, Wavy, WTKR), print coverage (Coastal Virginia Magazine), Write as Rain messages, and articles in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook, Twitter, and Instagram. Outreach topics included the negative impacts of litter, advertising cleanup opportunities, and reporting the results of local litter cleanups. The aftermath of Floatopia, an unofficial event in Virginia Beach over Memorial Day Weekend that resulted in tons of litter left on Chic's Beach, was a hot topic on social media in FY19.

Residential Recycling Practices

Due to turbulent recycling markets and changes in municipal recycling contracts, the Recycling & Beautification Subcommittee was hesitant to put a lot of resources into paid media around recycling in FY19. They did, however, continue to include recycling messages in all other marketing channels and began work to develop a web lookup tool that will make it easier for residents to find out what is (and is not) recyclable in each city/county in Hampton Roads. The new tool will be available on the askHRgreen.org website in FY20.

Paid Media. Throughout the year, specific recycling topics were featured in the Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches. Recycling continues to be the top driver of website traffic from the SEM campaign.

Public Relations. News releases on Christmas tree recycling and America Recycles Day were issued. The America Recycles Day release discouraged "wishful" recycling in an effort to help reduce contamination. The recycling message was also included in a variety of media channels including news (*Suffolk News Herald*, *The Virginian Pilot,* Hampton Newport News Daily), interviews with local radio and TV shows (WTKR), and multiple articles in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook, Twitter, and Instagram. Outreach included sharing recycling news and trending stories, answering recycling questions, and promoting local recycling collection events. HRPDC staff created a series of "Recycle This, Not That" graphics to feature on the askHRgreen Facebook and Instagram account for America Recycles Day.

Fats, Oils & Grease (FOG) Disposal

The FOG Subcommittee focuses each year on helping residents and local restaurants understand what FOG is, where it comes from, how it harms the sanitary sewer system, and the best management practices needed in

order to prevent sanitary sewer overflows. This focal area was addressed with the following strategies:

Paid Media. The Committee created a new holiday FOG message in FY19. The "Grease Grinch" spot took viewers through a holiday cooking scene with a lurking Grease Grinch ready to spoil the holiday fun with a backed up drain. The campaign ran online for five weeks (digital display ads and retargeting, social media, targeted pre-roll, digital TV) and on radio for two weeks. 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 FOG Subommittee continued to distribute relevant promotional items including sink strainers, grease can lids, sponges, washcloths, and more.

Public Relations. Public relations supported public education and outreach through a variety of media channels including news releases, print coverage (Southside Daily), interviews with local radio and TV shows, and multiple articles in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook, Twitter, and Instagram. Outreach topics included the negative impacts of improper grease disposal, fatbergs, canning the grease, and the importance of infrastructure.

What Not to Flush

The FOG Subommittee continues to educate the public about proper flushing etiquette and the harmful side effects of flushing personal hygiene products like wipes, dental floss, cotton swabs, and more:

Paid Media. The Subcommittee used the "man on the street" style video campaign and a new radio creative for a one-week media campaign. The video shows local residents guessing what items are flushable or not. The newly developed radio spot reflected the Q&A format as two men discuss wipes and other items that should not be flushed. The campaign included radio, digital display ads and retargeting, social media, targeted pre-roll ads, and digital TV. 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 FOG Subcommittee continued to distribute washcloths and toilet stress squeezers to support the message.

Public Relations. Public relations supported the what not to flush message through a variety of media channels including news releases, interviews with local radio and TV shows, and articles in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook, Twitter, and Instagram. Outreach topics included the damaging side effects of flushing trash, deragging photos, proper medication disposal, and the myth of flushable wipes.

Communicating the Value of Water

The Water Awareness Subcommittee continued to promote the value of water to the Hampton Roads

community. Beyond our daily needs, water also fuels our economy, fire protection, sanitation, and public health:

Paid Media. Throughout the year, specific messages about the value of water were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches. There were also two separate media campaigns for the value of water message during FY19, both coordinating with larger national awareness campaigns.

Imagine a Day Without Water. A one-week media campaign ran from October 8-14 to coincide with the national "Imagine a Day Without Water" initiative. The campaign included radio, digital display ads, native content ads, social media, and advanced TV. The paid campaign complimented the partnership with local breweries and coffee shops to distribute branded coasters and coffee sleeves on October 10. The video assets were pickups of videos previously produced which illustrate the importance of tap water for local quality of life. Similarly, the new radio creative features two men discussing the value of water and all the things they would miss without access to tap water.

Drinking Water Week. A one-week media campaign ran from May 5-11 as part of the national Drinking Water Week awareness campaign from American Water Works Association. The campaign included radio, digital display ads, native content ads, social media, and advanced TV. The campaign creative again featured the new radio spot with two men discussing the value of water. The video assets were also a pickup, but this time used the "man on the street" style video with diverse people explaining in one word what water means to them.

Outreach Materials. The Committee continued to distribute a variety of promotional items including water bottles, mood pencils, sponges, toothbrushes, and more.

Public Relations. Public relations exposure came from features on various media channels including news releases, print coverage (Williamsburg-Yorktown Daily, Southside Daily, Hampton Newport News Daily, The Virginia Gazette), interviews with local radio and TV shows, Write as Rain messages, and articles in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook, Twitter, and Instagram. HRPDC staff produced two videos featuring owners of Traditions Brewery in Newport News and Coaster Coffee in Norfolk as they discussed the important role water plays in operating their business and what would happen on a day without water. The videos were promoted on social media during the Imagine a Day Without Water campaign.

Water Conservation

The Water Awareness Subcommittee continued to raise awareness about conserving water in Hampton Roads. Central topics for this focal area include fixing leaks, water-conserving landscaping practices, WaterSense fixtures, and general indoor/outdoor conservation tips.

Paid Media. In promotion of Fix-a-Leak Week, a nationwide campaign from EPA, a one-week media campaign ran from March 18-24. The campaign utilized a new video creative showing locals answer questions about water waste and how to find and fix a leaky toilet. The campaign included radio, digital display ads, native content ads, social media, and advanced TV. Throughout the year, specific water conservation messages were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The Subcommittee distributed numerous promotional items to help remind residents to conserve water. Items included rain gauges, 5-min shower timers, toilet leak detection dye tablets, black-eyed Susan seed packets, and hose nozzles. They also developed a new print brochure to help residents detect and fix common household water leaks.

Public Relations. Conservation messages were featured in various media channels including news releases, print coverage, interviews with local radio and TV shows, and articles in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook, Twitter, and Instagram. Outreach topics included rain barrels, the use of drought tolerant and native plants, finding and fixing household water leaks, and winterizing the home to prevent burst pipes during freezing temperatures.

Storm Drain Awareness

New in FY19, the Stormwater Education Committee prioritized storm drain education. The new campaign raises public awareness about storm drains: what they are, where they go, and what's safe to put down them. The campaign features the "only rain down the drain" theme and highlights many other best management practices like reducing fertilizer use, proper yard debris disposal, and scooping the poop.

Paid Media. New creative was developed using a "man on the street" interview in which local residents were asked to identify a storm drain and describe what types of materials could safely go down the drain. A week-long media campaign ran from June 17-23. The campaign included digital display and retargeting ads, native content ads on WTKR.com, social media, and advanced TV. Throughout the year, specific stormwater messages were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The Subcommittee maintains a comprehensive library of brochures and rack cards and distributes outreach materials such as stormwater message pens and mood pencils. Select localities also purchased storm drain medallions to support local storm drain marking programs.

Public Relations. Public relations supported this focal area through news releases, print articles, interviews with local radio and TV shows, Write as Rain messages, and features in the askHRgreen.org newsletter.

Social Media. We engaged with the community via Facebook, Twitter, and Instagram. Outreach included sharing news about local water quality concerns, promoting events/workshops, and promoting best management practices. Social media was also an important part of promotions in FY19. Native plants, soil test kits, and goodie bags were given away as prizes for various contests involving stormwater management.

Chesapeake Bay Restoration Fund Grant (CBRF). The Subcommittee hosted four rain barrel workshops using funds from the CBRF grant. The workshops were held in Suffolk, Virginia Beach, Newport News, and James City County. Participants paid a modest $20 registration fee and received stormwater management information, a rain barrel, and a selection of native plants to take home. The workshops were very popular and had over 60 participants with 60 rain barrels and 83 native plants distributed.

Pet Waste Disposal

The Stormwater Education Subcommittee 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 Subcommittee ran a two-week media campaign from June 3-16. The campaign used new creative featuring a "poo-em" about cleaning up after your pet and the harmful impacts of pet waste on local water quality. The campaign included radio, digital display ads, native content ads, social media, and advanced TV.

Outreach Materials. The Committee purchased 5,000 dog waste bag holders and 2,500 hand sanitizers for distribution. The message pens also contain scoop the poop information.

New Pet Waste Stations in FY19	
Chesapeake	9
Hampton	6
Isle of Wight	2
James City	8
Newport News	12
Norfolk	5
Poquoson	1
Portsmouth	2
Smithfield	3
Suffolk	7
Virginia Beach	7
York	2
	64

Public Relations. The pet waste message was promoted in news releases, print articles, interviews with local radio and TV shows, and features in the askHRgreen.org newsletter.

Social Media. Social media is an important tool for sharing the "scoop the poop" message, and we utilized Facebook, Twitter, and Instagram in our outreach efforts.

Pet Waste Station Grant Program. The askHRgreen Pet Waste Station Grant Program, which began in 2013, continued to thrive in FY19. Geared toward neighborhood associations, community groups, and property management companies, the regional program gives citizens an opportunity to receive a free pet waste station to install and maintain in their neighborhoods. Approved applicants are responsible for installing the station, emptying the trash regularly, and replacing the bags as needed. The neighborhood is also tasked with sharing information with residents about the negative impact of pet waste on local water quality. Since the launch of the program, 349 pet waste stations have been awarded and installed across the region. Of those, 64 were awarded and installed during FY19.

Total Pet Waste Stations Awarded FY14 to FY19	
Chesapeake	39
Franklin/Southampton	8
Gloucester	5
Hampton	31
Isle of Wight	6
James City	30
Newport News	72
Norfolk	13
Poquoson	5
Portsmouth	18
Smithfield	8
Suffolk	33
Virginia Beach	57
Williamsburg	5
York	19
	349

Lawn Care & Fertilizer

Paid Media. Throughout the year, lawn care, native plants, fertilizing, and soil testing topics were included in our Google SEM campaign, driving traffic to the askHRgreen.org website from relevant keyword searches.

Outreach Materials. The Stormwater Education Subommittee distributes many brochures related to lawn care best management practices, fertilizing and how to properly take a soil test. Soil test kits are also distributed to the public at community events. The Subcommittee additionally targeted lawn care companies by mailing a letters and educational resources to lawn care companies licensed in the following cities: Chesapeake (51), Hampton (40), Newport News (257), Norfolk (208), Portsmouth (188), Suffolk (211), and Virginia Beach (397). In total, 1,352 letters were mailed to landscape and lawn care companies in Hampton Roads to help companies better understand how they can comply with local stormwater requirements and prevent pollution from illicit discharge.

Public Relations. Fertilizer and lawn care best management practices are commonly included in various public relations strategies throughout the year including news releases, print articles, interviews with local TV and radio stations, and features in the askHRgreen.org newsletter. In June 2019, askHRgreen.org partnered with Anderson's Garden Center to discuss native plants and host a native plant giveaway. Three native rose mallow hibiscuses were donated by Anderson's Garden Center and raffled off to participants through a Facebook contest.

Social Media. Social media is an important tool for sharing all of our eco-friendly messages, including fertilizing and lawn care tips, and we utilized Facebook, Twitter, and Instagram in our outreach efforts. As mentioned above, social media was also an important part of promotions in FY19. Native plants, soil test kits, and goodie bags were all given away as prizes for various contests involving stormwater management.

2018-2019 Media Campaigns & Results

OCTOBER 8-14 ***"Imagine a Day Without Water"***
Radio, digital display ads, native content ads, social media, advanced TV

Impressions: 1,277,598
Video Views: 29,973
Clicks/Actions: 2,038

BUDGET: $15,185 | VALUE: $26,012 | ROI: 1.71:1

NOVEMBER 19 - DECEMBER 24 ***"Grease Grinch"***
Radio, digital display ads, native content ads, social media, video pre-roll, advanced TV

Impressions: 1,535,051
Video Views: 74,631
Clicks/Actions: 3,271

BUDGET: $18,636 | VALUE: $29,501 | ROI: 1.58:1

JANUARY 28 - FEBRUARY 10 ***"Choose to Refuse: Waste Reduction"***
Radio, digital display ads, native content ads, social media, video pre-roll

Impressions: 1,012,319
Video Views: 26,483
Clicks/Actions: 1,629

BUDGET: $14,635 | VALUE: $25,374 | ROI: 1.73:1

MARCH 4 - 10 ***"What Not to Flush"***
Radio, digital display ads, native content ads, social media, video pre-roll, advanced TV

Impressions: 966,787
Video Views: 57,627
Clicks/Actions: 473

BUDGET: $14,275 | VALUE: $21,600 | ROI: 1.51:1

MARCH 18 - 24 ***"Fixing Household Water Leaks"***
Radio, digital display ads, native content ads, social media, video pre-roll, advanced TV

Impressions: 1,272,672
Video Views: 53,691
Clicks/Actions: 833

BUDGET: $14,775 | VALUE: $21,240 | ROI: 1.44:1

APRIL 1 - 7 ***"Team Up 2 Clean Up: Great American Cleanup"***
Radio, social media, billboards

Impressions: 1,106,107
Clicks/Actions: 1,034

BUDGET: $8,100 | VALUE: $46,595 | ROI: 5.75:1

MAY 5 - 11 ***"The Value of Tap Water"***
Radio, digital display ads, native content ads, social media, video pre-roll, advanced TV

Impressions: 882,815
Video Views: 62,591
Clicks/Actions: 1,389

BUDGET: $14,775 | VALUE: $24,556 | ROI: 1.66:1

JUNE 3 - 16 ***"Pet Waste - Scoop the Poop"***
Radio, digital display ads, native content ads, social media, video pre-roll

Impressions: 827,316
Video Views: 34,943
Clicks/Actions: 1,782

BUDGET: $14,278 | VALUE: $21,013 | ROI: 1.47:1

JUNE 17 - 23 ***"Storm Drains - Only Rain Down the Drain"***
Digital display ads, native content ads, social media, video pre-roll

Impressions: 174,506
Video Views: 38,065
Clicks/Actions: 687

BUDGET: $5,425 | VALUE: $5,828 | ROI: 1.07:1

2018-2019 askHRgreen.org Public Relations Value					
Date	Media Outlet	Topic	Length	Circ./ Imp	PR Value
Tuesday, July 31, 2018	Inside Business	Hampton Roads companies pledge to go green with Bay Star Business	16 column inches	9,000	$3,500.00
Sept. 28, 2018	WCTV-TV Chesapeake	Write as Rain interview with Katie Cullipher and Megan Hale	1:05 minutes	1,500	$600.00
Sept. 30, 2018	WVEC-TV Coastal Connections	Write as Rain interview with Katie Cullipher and Megan Hale	5:00 minutes	3,600	$1,125.00
	WCTV-TV Chesapeake	Fall tips interview with Katie Cullipher	1:00	1,500	$600.00
Oct. 5, 2018	Newport News Now Newsletter	Sidewalk messaging campaign Write as Rain	N/A	1,500	$600.00
Oct. 5, 2018	Southside Daily News	If you find these white message one rainy day, you might win some prizes	10 column inches	3,600	$900.00
Oct. 5, 2018	Hampton-Newport News Daily	If you find these white message one rainy day, you might win some prizes	10 column inches	3,600	$900.00
Oct. 9, 2018	Williamsburg-Yorktown Daily	These companies are going to help you imagine a day without water	16 column inches	300	$900.00
Oct. 9, 2018	Southside Daily News	These companies are going to help you imagine a day without water	16 column inches	3,600	$900.00
Oct. 9, 2018	Hampton Newport News Daily	Can you imagine a day without water?	16 column inches	3,600	$900.00
Oct. 9, 2018	The Virginia Gazette	Local businesses participate in A Day Without Water	10 column inches	12,300	$825.00
Nov. 2, 2018	Beacon	Environmental group hopes invisible style messages will do the trick	1/2 page	41,598	$6,525.00
Nov. 2, 2018	Bridges	Environmental group hopes invisible style messages will do the trick	1/2 page	26,186	$2,745.00
Nov. 2, 2018	Clipper	Environmental group hopes invisible style messages will do the trick	1/2 page	31,967	$3,300.00
Nov. 4, 2018	Suffolk News-Herald	No wishful thinking when it comes to recycling	20 column inches	10,431	$1,965.00
Nov. 11, 2018	The Virginian-Pilot	No wishful thinking when it comes to recycling	20 column inches	120,771	$10,230.00
Nov. 14, 2018	Hampton Newport News Daily	This Hampton Roads organization wants residents to know how to recycle properly	N/A	3,600	$900.00
Dec. 2, 2018	Southside Daily	Heard about FOG? It can really mess up your local waterways	14.5 column inches	3,600	$900.00
Dec. 26, 2018	WTKR-TV Online	Want to recycle your Christmas tree?	93 words	5,000	$225.00
Mar. 29, 2019	WCTV-TV Chesapeake	Great American Cleanup "A Closer Look" interview with Katie Cullipher	7.30 minutes	1,500	$600.00
Apr. 15, 2019	WVEC-TV	Hampton Roads gets ready for GAC "13news@noon" interview with Mike Baum	3:05	34,000	$2,250.00
Apr. 17, 2019	Suffolk News-Herald	Skip the straws, save the turtles	21.5 column inches	10,431	$2,115.00
Apr. 22, 2019	Southside Daily News	Celebrate Earth Day by going strawless at these Hampton Roads restaurants	15.6 column inches	3,600	$900.00
Apr. 22, 2019	WTKR-TV	Straw-free Earth Day -- 3 live reports airing at 5 am, 6 am,, 7 am	3 @ 2:30 minutes	109,000	$6,225.00
May-June issue 2019	Coastal Virginia Magazine	Great American Cleanup	5 column inches	35,000	$2,220.00
Friday, May 03, 2019	WAVY-TV 10	Volunteers in Hampton Roadss Taking Part in Great American Cleanup	2:10 minutes	52,000	$2,025.00
Wednesday, June 26, 2019	WTKR-TV Coast Live	Replacing your lawn with native plants interivew with Katie Cullipher, Michelle Williams	4:37 minutes	36,000	$2,025.00
Saturday, June 29, 2019	TheVirginian-Pilot Home + Living section	Condo pet policies are a hot topic -- mention of askHRgreen.org Scoop the Poop	93 words	120,771	$675.00
				689,555	**$57,575**

PUBLIC RELATIONS RESULTS

Total circulation or audience	689,555
Total articles and interviews	28
Total budget	$5,280
Total publicity value	$57,575
Return on Investment (ROI)	10.9:1

COMBINED MEDIA RESULTS

PAID ADVERTISING WEEKS	52 consecutive
TOTAL MEDIA IMPRESSIONS	11,055,464
TOTAL VIDEO VIEWS	378,004
TOTAL CLICKS	25,631
TOTAL PROMOTIONAL CAMPAIGN BUDGET	$157,257
TOTAL MEDIA EXPOSURE VALUE	$311,188
COST PER THOUSAND IMPRESSIONS	$14.22
RETURN ON INVESTMENT (ROI)	1.98:1

askhrgreen.org
We have lots of environmental tips and we hope you follow them all. But we also want you to know that everyone has bad habits. You just have to do SOMETHING to reduce your impacts and keep moving forward towards sustainability.
More on the Green Living blog
http://askhrgreen.org/old-habits/ See More
You don't have to do everything to save the planet.
You just have to do something.
Get More Likes, Comments and Shares
Boost this post for $15 to reach up to 3,000 people
2,847
People Reached
237
Engagements
Boost Post

askhrgreen.org
A local example of why it's important to keep our sewer lines free of grease, food scraps, wipes, and anything other than toilet paper and your "personal contribution." Sewer overflows are not only gross. They have a direct impact
Sewage spill temporarily halts shellfish harvesting in Newport News
4,573
452
Boost Post

askhrgreen.org
SAID I WOULD PREP MY LAWN BEFORE SPRING
ACTUALLY DID IT
askHRgreen.org
27,898
2,945
Boost Post

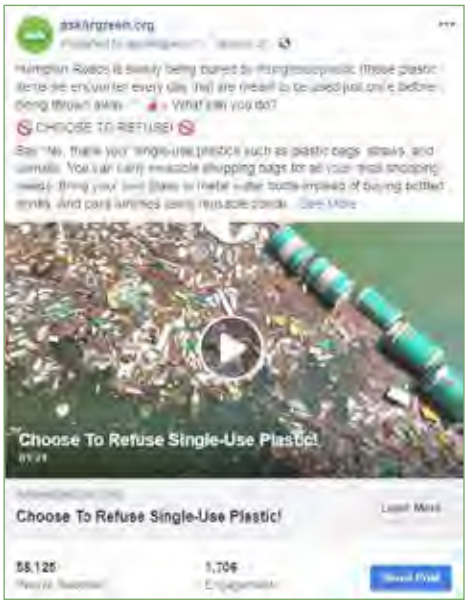
askhrgreen.org
Searching for bottled water? Don't overlook your tap! Convert any container with a lid into "bottled" water to use if you lose water service during Hurricane Florence. Milk jugs and soda bottles are perfect. Stay safe Hampton Roads!
Get More Likes, Comments and Shares
Boost this post for $15 to reach up to 3,000 people
2,884
371
Boost Post

askhrgreen.org
Beneath your feet, there is a vast infrastructure — more than 6,500 miles of water distribution pipeline and 2,800 miles of sanitary sewer lines throughout Hampton Roads. These systems combining water, sanitary sewer and stormwater, and the people who maintain them, work silently and reliably to keep the water flowing.
Out of sight, out of mind, right? Not if we have anything to do with it! We'd not take these critical pipelines and their proper maintenance for granted.
askHRgreen.org
Get More Likes, Comments and Shares
Boost this post for $15 to reach up to 3,000 people
2,825
141
Boost Post

askhrgreen.org
Leaves are raining down along with rain drops. Remember, only rain can safely go down the storm drain!
Keeping leaves and other trash out of the drain helps prevent street flooding and local water pollution.
Only Rain Down the Storm Drain!
2,730
82
Boost Again

askhrgreen.org
Flushable wipes: public problem
Wipes Clogging Up Miami-Dade Sewer System
Get More Likes, Comments and Shares
Boost this post for $15 to reach up to 3,000 people
4,075
452
Boost Post

askhrgreen.org
Large amounts of trash left on beach after 'Floatopia' upsets Virginia Beach residents
Get More Likes, Comments and Shares
Boost this post for $15 to reach up to 3,000 people
4,913
597
Boost Post


askhrgreen.org
Hampton Roads is slowly being buried in microplastic. These plastic items we encounter every day, that are meant to be used just once before being thrown away. What can you do?
CHOOSE TO REFUSE!
Say "No, thank you" single-use plastics such as plastic bags, straws, and utensils. You can carry reusable shopping bags for all your food shopping needs. Bring your own glass or metal water bottle instead of buying bottled drinks. And carry utensils using reusable cards.
Choose To Refuse Single-Use Plastic!
Choose To Refuse Single-Use Plastic!
Learn More
58,125
1,706
Boost Post

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 & Online Marketing Results
July 2018 - Jun 2019

Campaign Overview: The below report represents the traffic to AskHRGReen.org from the months of July 2018 – June 2019 from the Pay Per Click campaign managed by Tribune Digital. In the span of your last fiscal year, Tribune has accounted for 11,087 clicks to AskHRGReen.org from serving 210,695 impressions for a click thru rate of 5.26%. That means that for every 20 ads that appear, it resulted in one click to the website.

Here is how the campaign looks by month:

July 2018:

For the month of July, we delivered a total of **18,091 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **920 clicks** to your website, which is **23%** of your total site traffic, only behind google organic searches.
- 9 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 6 of the top 7 keyword groups for July were recycling related, generating **606 clicks** to the site, accounting for **66% of all site traffic** from the search campaign (920 clicks).
- Top five keyword groups for July were:
    1. Electronics Disposal
    2. Reduce Reuse Recycle
    3. TMDL
    4. Battery Disposal
    5. Great American Cleanup
    6. Medication Disposal
    7. Recycling At Home
    8. Native Plants
    9. Tap Water
    10. askHRGreen General

August 2018:

For the month of August, we delivered a total of **19,586 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **933 clicks** to your website, which is **24%** of your total site traffic, only behind google organic searches.
- 11 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 5 of the top 6 keyword groups for August were recycling related, generating **579 clicks** to the site, accounting for **62% of all site traffic** from the search campaign (933 clicks).
- Top five keyword groups for August were:
    1. Electronics Disposal
    2. Reduce Reuse Recycle
    3. Recycling At Home
    4. TMDL
    5. Battery Disposal
    6. Great American Cleanup
    7. Native Plants
    8. askHRGreen General
    9. Medication Disposal
    10. Plastic Bag Recycling

September 2018:

For the month of September, we delivered a total of **15,484 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **764 clicks** to your website, which is **20%** of your total site traffic, only behind google organic searches and direct traffic.
- 8 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 4 of the top 5 keyword groups for September were recycling related, generating **436 clicks** to the site, accounting for **57% of all site traffic** from the search campaign (764 clicks).
- Top five keyword groups for September were:
    1. Electronics Disposal
    2. Reduce Reuse Recycle
    3. TMDL
    4. Recycling At Home
    5. Battery Disposal
    6. askHRGreen General
    7. Great American Cleanup
    8. Native Plants
    9. Tap Water
    10. Medication Disposal

October 2018:

For the month of October, we delivered a total of **15,463 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **875 clicks** to your website, which is **17%** of your total site traffic, only behind google organic searches and direct traffic.
- 8 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 3 of the top 5 keyword groups for October were recycling related, generating **321 clicks** to the site, accounting for **37% of all site traffic** from the search campaign (875 clicks).
- Top five keyword groups for October were:
    1. Electronics Disposal
    2. TMDL
    3. Recycling At Home
    4. Reduce Reuse Recycle
    5. Native Plants
    6. Medication Disposal
    7. Great American Cleanup
    8. Battery Disposal
    9. Lawn Care
    10. Tap Water

November 2018:

For the month of November, we delivered a total of **17,312 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **848 clicks** to your website, which is **17%** of your total site traffic, only behind google organic searches and direct traffic.
- 8 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 4 of the top 5 keyword groups for November were recycling related, generating **462 clicks** to the site, accounting for **54% of all site traffic** from the search campaign (848 clicks).
- Top five keyword groups for November were:
    1. Electronics Disposal
    2. Reduce Reuse Recycle
    3. TMDL
    4. Recycling At Home
    5. Battery Disposal
    6. America Recycles Day
    7. askHRGreen General
    8. Great American Cleanup
    9. Native Plants
    10. Tap Water

December 2018:

For the month of December, we delivered a total of **15,457 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **793 clicks** to your website, which is **14%** of your total site traffic, only behind google organic searches, direct traffic and our Facebook campaign.
- 7 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 4 of the top 5 keyword groups for December were recycling related, generating **428 clicks** to the site, accounting for **54% of all site traffic** from the search campaign (793 clicks).
- Top five keyword groups for December were:
    1. Electronics Disposal
    2. Reduce Reuse Recycle
    3. TMDL
    4. Recycling At Home
    5. Battery Disposal
    6. Native Plants
    7. Tap Water
    8. Plastic Bag Recycling
    9. American Recycles Day
    10. Great American Cleanup

January 2019:

For the month of January, we delivered a total of **16,956 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **944 clicks** to your website, which is **19%** of your total site traffic, only behind google organic searches and direct traffic.
- 7 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 4 of the top 5 keyword groups for January were recycling related, generating **491 clicks** to the site, accounting for **52% of all site traffic** from the search campaign (944 clicks).
- Top five keyword groups for January were:
    1. Electronics Disposal
    2. Reduce Reuse Recycle
    3. TMDL
    4. Recycling At Home
    5. Battery Disposal
    6. Native Plants
    7. Tap Water
    8. Plastic Bag Recycling
    9. America Recycles Day
    10. Great American Cleanup

February 2019:

For the month of February, we delivered a total of **16,931 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **902 clicks** to your website, which is **21%** of your total site traffic, only behind google organic searches and direct traffic.
- 9 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 4 of the top 5 keyword groups for February were recycling related, generating **433 clicks** to the site, accounting for **48% of all site traffic** from the search campaign (902 clicks).
- Top five keyword groups for February were:
    1. Electronics Disposal
    2. Reduce Reuse Recycle
    3. TMDL
    4. Recycling At Home
    5. America Recycles Day
    6. Native Plants
    7. Medication Disposal
    8. askHRGreen General
    9. Battery Disposal
    10. Great American Cleanup

March 2019:

For the month of March, we delivered a total of **17,931 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **962 clicks** to your website, which is **17%** of your total site traffic, only behind google organic searches and direct traffic.
- 7 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 3 of the top 5 keyword groups for February were recycling related, generating **322 clicks** to the site, accounting for **33% of all site traffic** from the search campaign (962 clicks).
- Top five keyword groups for March were:
    1. Electronics Disposal
    2. TMDL
    3. Reduce Reuse Recycle
    4. Native Plants
    5. Battery Disposal
    6. Great American Cleanup
    7. Medication Disposal
    8. Recycling at Home
    9. American Recycles Day
    10. AskHRGreen General

April 2019:

For the month of April, we delivered a total of **20,219 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **1,099 clicks** to your website, which is **17%** of your total site traffic, only behind google organic searches and direct traffic.
- 8 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 5 of the top 7 keyword groups for April were recycling related, generating **537 clicks** to the site, accounting for **49% of all site traffic** from the search campaign (1,099 clicks).
- Top five keyword groups for April were:
    1. Electronics Disposal
    2. Native Plants
    3. Reduce Reuse Recycle
    4. Recycling At Home
    5. TMDL
    6. Battery Disposal
    7. Medication Disposal
    8. askHRGreen General
    9. Great American Cleanup
    10. Rain Barrels

May 2019:

For the month of May, we delivered a total of **19,481 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **976 clicks** to your website, which is **20%** of your total site traffic, only behind google organic searches and direct traffic.
- 9 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 5 of the top 7 keyword groups for May were recycling related, generating **537 clicks** to the site, accounting for **55% of all site traffic** from the search campaign (976 clicks).
- Top five keyword groups for May were:
    1. TMDL
    2. Electronics Disposal
    3. Native Plants
    4. Reduce Reuse Recycle
    5. Great American Cleanup
    6. Battery Disposal
    7. Recycling at Home
    8. askHRGreen General
    9. Rain Barrels
    10. Tap Water

June 2019:

For the month of June, we delivered a total of **17,784 impressions** to adults in the Hampton Roads market, and those impressions drove the following activity:

- We drove a total of **1,107 clicks** to your website, which is **18%** of your total site traffic, only behind google organic searches and direct traffic.
- 11 of your top 25 pages visited in that same time period were a direct result of wtkr's efforts.
- Knowing that recycling is one of your biggest initiatives, 4 of the top 6 keyword groups for June were recycling related, generating **546 clicks** to the site, accounting for **49% of all site traffic** from the search campaign (1,107 clicks).
- Top five keyword groups for June were:
    1. Electronics Disposal
    2. Reduce Reuse Recycle
    3. Recycling At Home
    4. TMDL
    5. Native Plants
    6. Battery Disposal
    7. Great American Cleanup
    8. askHRGreen General
    9. Medication Disposal
    10. Plastic Bag Recycling

askHRgreen.org

Summary for FY19 Environmental Education Mini Grants

Total Projects Funded in FY19: 20
FY19 Mini Grant Budget: $10,000.00
Total Grant Funds Awarded: $9,668.06

Name of Project	Number of Students	School/Facility	City/County	Awarded
Be Fantastic, Use Less Plastic	1200	Hugo Owens Middle School	Chesapeake	$500.00
Butterfly and Bee Garden	397	Barron Fundamental Elementary School	Hampton	$250.00
Chicken Coop in Our Garden	40	Maury High School	Norfolk	$500.00
Community Learning Garden and Beautification Project	40	Saunders Elementary/Youth Volunteer Corps of Hampton Roads	Newport News	$500.00
Creating, Conserving, and Protecting Monarch Habitats	569	Great Bridge Primary School	Chesapeake	$500.00
Downstream Collaborative	79	Kempsville Meadows Elementary School	Virginia Beach	$500.00
Drip Smart	80	Williamsburg Community Growers	Lightfoot	$500.00
Eaton Middle School Lunch Recycling Program	650	Eaton Fundamental Middle School	Hampton	$418.06
Granby Go Green	20	Granby High School	Norfolk	$500.00
Green Run Demonstration Rain Garden	42	Green Run High School	Virginia Beach	$500.00
Keeping the Chesapeake Bay Clean	925	Western Branch Middle School	Chesapeake	$500.00
Keeping the Vibrance and Learning in Our Diverse Gardens	530	Newtown Elementary School	Virginia Beach	$500.00
Lights of Love for the Hague	50	Breathe Easy and Smile Yoga Co.	Norfolk	$500.00
Little Hands Big Clean Up	600	Granby Elementary School	Norfolk	$500.00
Norfolk Academy Pollinator Garden	400	Norfolk Academy	Norfolk	$500.00
One Man's Trash is Another Man's Treasure	25	Western Branch Middle School	Chesapeake	$500.00
Plants & Air Quality	100	York County Beautification Committee	Yorktown	$500.00
Plastic Bottle Art	150	Lakeland High School	Suffolk	$500.00
Snip-N-Drip	1400	Old Donation School	Virginia Beach	$500.00
Soak Up the Rain!	200	Spratley Gifted Center	Hampton	$500.00
	7497			**$9668.06**

Projects continued from FY18:

We ALL Need Water	660	Strawbridge Elementary School	Virginia Beach	$500.00
Whole School Recycling Program	915	Grafton Middle School	Yorktown	$355.00

Project	**Chicken Coop in Our Garden**
Recipient	**Maury High School**
Locality	**Norfolk**
Award	**$500.00**

Project Description: This project funded a chicken coop designed and constructed by garden club students at Maury High School.

Project Outcomes: From start to finish, students have been involved in every aspect of this project. There were days where over 120 students visited my classroom to check on and play with the chicks hatched in our incubator. It is important to note that I have a classroom for students with autism spectrum disorder. This provided an incredible opportunity for socialization that could not have occurred without a project like this. It also assisted them in completion of several IEP goals and post-secondary transition activities.

This project brought the school together. It was a very diverse classroom before/after school and during lunches. Students who normally would not interact with one another had opportunities to work together and did so wonderfully. The chickens were featured on numerous social media posts! Names for each of the chicks were proposed and voted upon by members of the garden club.

The principal kept two chickens in her office and students who normally wouldn't engage the principal, or who had negative experiences with school administration, visited with her regularly to see the chickens. This opened up lines of communication and an increased level of belonging. While caring for the chickens or working, staff members shared stories of raising chickens in school and at home. For several students, these stories "humanized" their teachers.

Students learned about animal development and how to provide care to an animal. Students were involved in candling eggs, observed hatching, and basic chick cares. They learned about the need for sanitation as we stressed the importance of using hand sanitizer and washing their hands after handling the chicks.

What did the students enjoy the most about this project? This was the first-time many of these students had been around a chicken. It opened up a lot of opportunities to talk to the students about pets and the importance of pet care. As mentioned previously, there was an incredible sense of belonging that resulted from "the regulars" who visited the classroom. Students who formerly didn't "belong" to any distinct peer group were included in something. They participated in an event that gave them a sense of purpose and meaning. The chicks provided "therapy" for a number of students with emotional disorders.

Having chicks offered an opportunity for creativity. One student began playing various sounds from his phone to see how the chicks would react. He also used a laser pointer to play with them. The chicks were used as "models" for an art classes.

Several Advanced Placement students with a "free bell" who formerly used the media center to study chose to come to the classroom because the background chirps was soothing. Other students, some who struggled with assignments, joined the study sessions.

Students who had never built anything before had the opportunity to learn basic construction skills with an emphasis on proper use of tools and safety. There is a lot of pride in the students who were involved in the care and the building of the coop and run.

How could a similar project be improved? The greatest improvement would have been to start earlier on the construction. Using salvaged and repurposed materials took a lot of time to prepare the materials for use. Because many of the materials were "not true", having warps and such, took additional time to build. The living roof should have been started at least a year in advance to prepare the plants. Because of the costs, rather than a roof of succulents, it was decided to use creeping thyme and other perennials which is a nice look, but was not the intended plan.

We requested, and received, numerous donations which was helpful. In keeping with the desire of the students to be "environmentally friendly" we repurposed materials when possible. However, it would have been much quicker to use prime wood and the savings in labor could have been diverted to other projects such as weeding and watering.

The project, coop and run, is much larger than needed, almost four times the minimal space requirement. Reducing the size by half would have still accomplished our goal and reduced our labor by half once again allowing us to complete neglected or halted garden projects.

Project	**Granby Go Green**
Recipient	**Granby High School**
Locality	**Norfolk**
Award	**$500.00**

Project Description: This project beautified the garden and repaired a trellis at Granby High School, as well as enhanced its recycling program by purchasing recycling bins.

Project Outcomes: The community garden was a success as we improved the conditions in the garden and were able to talk about plants that would be best suited for this area. Native plants, edible herbs, etc were grown.

What did the students enjoy the most about this project? Being outside and enjoying nature, working with their hands, and accomplishing something great.

How could a similar project be improved? Start earlier in the year and include more winter plants.

Project	**Lights of Love for the Hague**
Recipient	**Breathe Easy and Smile Yoga Co.**
Locality	**Norfolk**
Award	**$500.00**

Project Description: The Lights of Love Attraction is an eco-friendly community art happening designed to educate and inspire the community about the power of an individual to make a difference to conserve the environment. The attraction created a walking path around the Hague with luminaries decorated by guests and facilitated by volunteers from Maury High School.

Project Outcomes: Installed 250 luminaries around the Hague – part of the Elizabeth River – for two days. Had 50+ visitors (20 youth under 18) to the tent to create luminaries in honor of what they love most about the Hague. Partnered with Maury High School students to staff the event and share about ongoing volunteer opportunities at the Hague.

What did the students enjoy the most about this project? They enjoyed learning about ongoing litter pickup opportunities through the organization. This is good because the intent of this project was to not only use art to help people connect with and express their environmental values – but also to raise awareness about ongoing environmental conservation volunteer opportunities in Ghent.

How could a similar project be improved? The greatest opportunity for improvement was marketing. The event ultimately was not included on the Neon Festival's interactive online map as the committee did not define it as a "public art attraction." We plan to communicate to the committee so the event is included on the map next year, and hopefully this will boost attendance.

Project	**Little Hands Big Clean Up**
Recipient	**Granby Elementary School**
Locality	**Norfolk**
Award	**$500.00**

Project Description: This project implemented a recycling program at Granby Elementary School.

Project Outcomes: Educated students on the importance of recycle, reduce, reuse and on other sources of energy uses throughout multiple grade levels while getting them excited about learning and making relevant connections to science and the environment around them. The project met multiple SOL requirements for grades K-5 and was integrated across several subject areas, especially reading and writing. Our students in our lower grades learned more ways to reuse items, recycle, and conserve. While our older students reviewed recycle, reduce, reuse and delved deeper into other sources of energy. By providing Non-fiction books on ways this can be accomplished, they were able to ask questions and research further. Our teachers took the materials purchased and educated the students with hands on activities and project based learning activities to meet the SOLs.

What did the students enjoy the most about this project? After receiving the grant, the students and staff enjoyed how we took their ideas and began greater projects from this grant, such as:

- Starting the Garden Club with recycled materials and a compost bin. We also entered our school into the Carton to Garden contest.
- We entered the TREX recycling Contest/program.
- Staff and Students gave up using plastic straws 2 days a week.
- We had hallway cleanup sessions with the Mad Science Squad, who in turn would stop and educate other students on the importance of picking up trash, even if it wasn't theirs.
- The school became a Eco School with the National Wildlife Federation.
- We had parents talk to city wide officials on organizing neighborhood clean ups and had several children sit in on webinars from national organizations on ways to improve our Earth.
- We began a Science Talk weekly writing activity, that would then lead to monthly Scientist of the Month winners by making Deeper Science Connections through writing about science. This started with a prompt on Sun Energy for 3rd grade.

How could a similar project be improved? This project could be improved by starting it on Day 1 of the school year instead of halfway through the year.

Project	**Norfolk Academy Pollinator Garden**
Recipient	**Norfolk Academy**
Locality	**Norfolk**
Award	**$500.00**

Project Description: This project involved building raised bed gardens and a new greenhouse at Norfolk Academy.

Project Outcomes: We have successfully constructed and planted the raised bed gardens. We grew 95% of the plants from seed in our greenhouse. Home-grown plants include butterfly caterpillar host plants (dill and parsley), pollinator nectar source plants (zinnia, snapdragons, cosmos and one store bought lantana), and marigolds which are said to be a natural harmful insect repellant. We composted during the school year using a large tumbling composter that a previous HR Green grant provided. We top dressed the transplants with this homemade finished compost. 4th grade students grew the plants from seed and investigated the compost process during the school year. 5th grade students filled the raised beds with bags of soil, transplanted the plants and top dressed with compost humus. The 5th grade read *Seedfolks*, by Paul Fleischman during the school year. *Seedfolks* is about the benefits a community garden brings to the people of inner city Cleveland. It was great to demonstrate building a raised bed garden with these students as they read the book. Rising 3rd grade students began looking for butterflies, butterfly eggs or caterpillars in the new raised bed garden in late May, 2018. They have a butterfly unit this coming fall, and we hope to have all stages of the butterfly life cycle in the garden to observe and investigate.

What did the students enjoy the most about this project? Students enjoy doing things. They like to see concrete examples of their work. Thus they really enjoyed all the different roles that they played in helping to create the raised bed gardens.

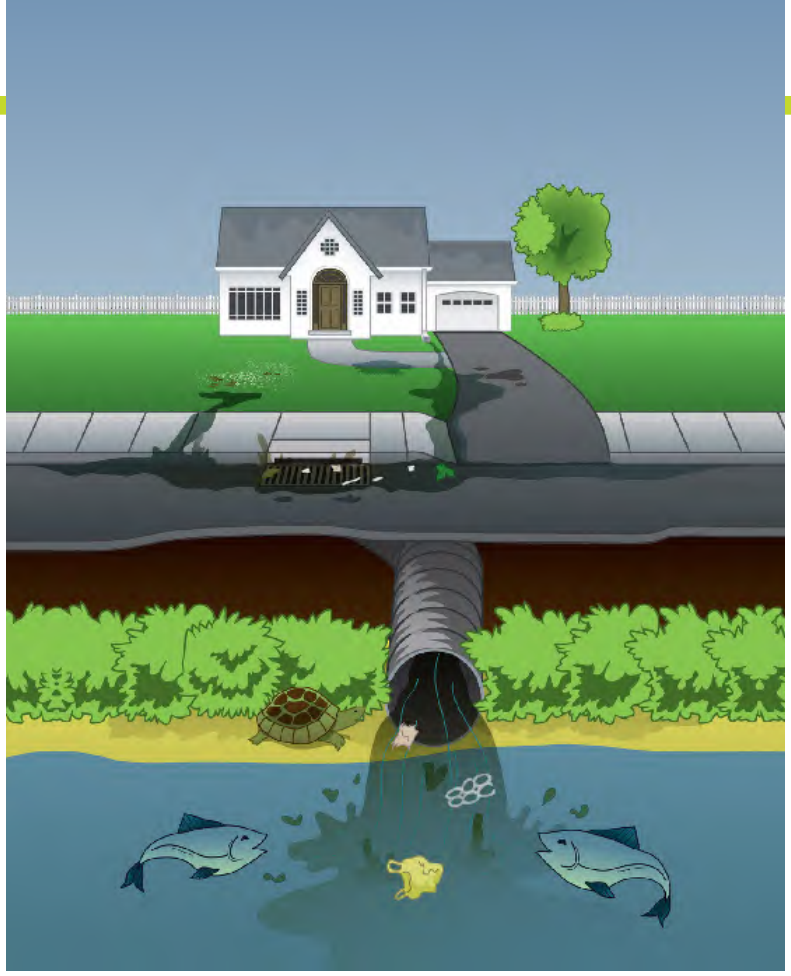
How could a similar project be improved? We spent a little more on the soil then I would have liked because our buildings and grounds director wanted to purchase bags of raised bed soil mix instead of getting a cubic yard delivered and using buckets to carry it into the inner courtyard. I understand that the bags were much 'cleaner', but I will take more time to talk to buildings and grounds in the future in hopes of selling them on using cheaper bulk soil delivered. It looks like we need to tie the raised bed wood together with a few more screws as well. I hope to create more raised beds in this inner courtyard in the near future if these raised beds are successful.

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....

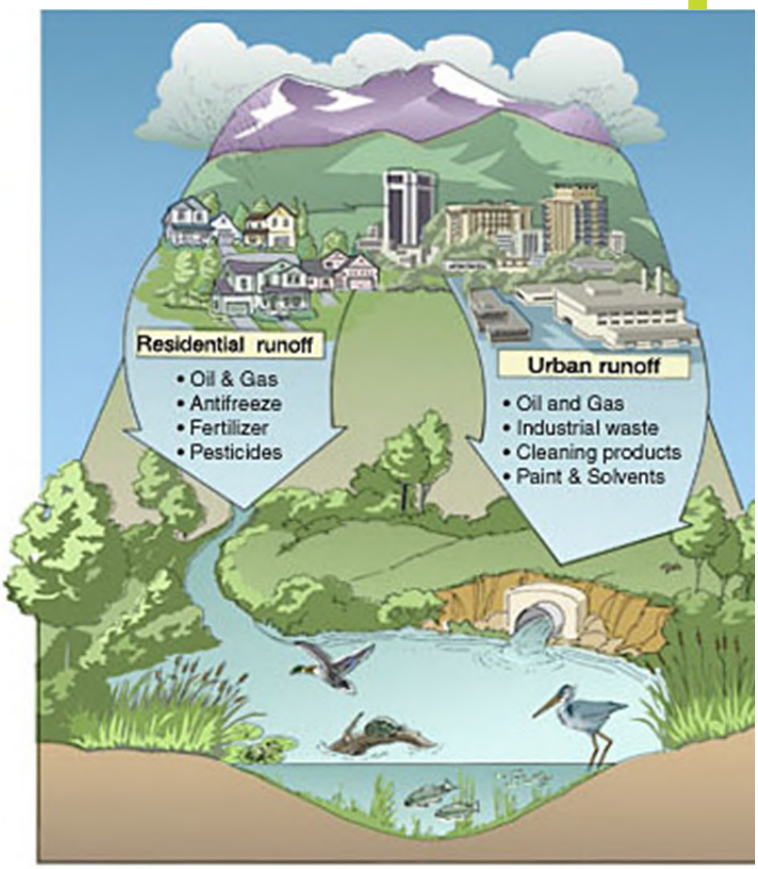
Fee charges under the Environmental Storm Water Management Program may be reduced under the following circumstances:

- 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%.

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 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

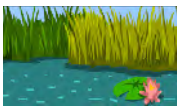
The City may inspect the SWMF at any time during the year. If the on-site stormwater storage is no longer functioning or has not been maintained, the City reserves the right to cancel the credit for up to three years.

Residential SWMF Inspections

The SWMF inspector will perform inspections throughout the installation process to ensure compliance with the approved plan requirements. Any supporting documents providing proof that the SWMF was installed and functioning as designed must be provided to the City prior to any rate reduction. The property must be fully stabilized to avoid sediment runoff prior to the reduction being approved.

The owner must complete an annual inspection of the SWMF. Inspections should include a photo of the SWMF and a written summary of any discrepancies with the SWMF and corrective actions taken. The inspection should be submitted to the Division no later than June 1 of each year and will be retained by the Division. Failure to submit the annual inspection will void the rate reduction starting on July 1.

Table 1: Residential SWMF Options

SWMF Types	Visual	% Credit	Min Drainage Area (sf)	Other Required Documentation
Rain Barrels		10	300	Barrel Volume | Roof Area Treated (sf)
Grass Swale		10	500	Drainage Area Treated | Swale length and average depth
Buffer Area		10	N/A	Planting Plan | Drainage Area | Buffer Length & Width
Nutrient Management Plan		10	100% of the site	Approved Plan
Cistern		10	300	Rain Cistern Volume | Roof Area Treated (sf) | Water Use
Bioswale		20	500	Planting Plan | Drainage Area Treated | Swale length and average depth
Rain Garden		20	500	Planting Plan | Drainage area treated | Surface area and average depth
Permeable Pavement with Underdrain		20	300	Drainage area treated | Surface area of pavement
Rooftop Disconnect with Soil Amendments		20	300	Length & Width of flow path | Amendment Depth
Green Roof		50	800	Green Roof Surface area | Planting Plan
Living Shoreline		50	N/A	Planting Plan | Applicable Permits | Length and Width of shoreline project

Residential SWMF Definitions

Rain Barrels/Cisterns: A tank used to catch rainwater running off roofs from a downspout.
Nutrient Management Plan: Program designed to manage the amount, source, placement, form and timing of the application of nutrients and soil amendments
Vegetated Filters: Bioswale, Grass Swale, Buffer Area. These are areas of dense turf, meadow grasses, trees or other vegetation with a minimum slope to absorb runoff from roof downspouts.
Rain Garden: Rain gardens are landscaped areas slightly below ground level that capture and filter stormwater runoff from a roof or other impervious (paved) surface.
Permeable Pavement: Pervious pavement may include concrete blocks, grid pavers, or pervious concrete or asphalt with a stone reservoir underneath. The reservoir temporarily stores surface runoff before seeping it into the soil below. Gravel is not considered pervious pavement.
Rooftop/Downspout Disconnect: This is the process of separating roof downspouts from the storm system and redirecting roof runoff onto pervious surfaces where soil amendments have been applied, most commonly a lawn.
Green Roof: Living roof is a roof of a building that is partially or completely covered with vegetation and a growing medium, planted over a waterproof membrane.
Living Shoreline: A shoreline protection option that allows for natural coastal processes to remain through the strategic placement of plants, stone, sand fill, and other structural and organic materials.

Non-Residential Property Fee Reduction Program

As an incentive for SWMF construction, fee reductions will be allowed for construction of approved SWMF's which reduce runoff pollution from the site. In order for a non-residential property to qualify for a storm water fee reduction, the SWMF design and related calculations must be developed and certified by a professional engineer or surveyor licensed to practice in the Commonwealth of Virginia. Pollutant loadings and SWMF effectiveness must be computed in accordance with the methods outlined in the Norfolk Design & Construction Manual.

The percent fee reduction will be computed to the nearest percent using the following formula:

% Fee Reduction
=
(% SWMF Efficiency Rating)
(Area served by SWMF in acres/
Total Site Area)

Multiple SWMFs may be installed for each property to stack load reductions; however, the stacked SWMF may not treat the same drainage area.

Up to 60% maximum credit per site

Non-Residential SWMF Construction

When constructing SWMFs, site plan review requirements and criteria must be followed. The design will be reviewed and approved through the site plan review process. If the formal process is not required (due to size limitations), the requirements and criteria still apply and the Division's Storm Water Engineer or his/her designee must review the proposed site plan prior to installation. A Declaration of Covenants must be signed by the property owner and filed with the Clerk of the Court prior to approval from the Division (copy of the Declaration will be kept on file at the Division).

A pre-construction meeting shall be arranged with the City's SWMF inspector at a minimum 48-hours prior to construction. The SWMF must be installed as outlined in the plan. Any modifications must be made by the engineer of record and the site plan adjusted as such, with approval from the Division. All sediment control measures must be installed prior to any land disturbing activity. All land disturbing permits and General Construction and Environmental Permits must be obtained where necessary.

Non-Residential SWMF Inspections

The SWMF inspector will perform inspections throughout the installation process to ensure compliance with site plan requirements. Any as-built or certifications providing proof that the SWMF was installed and functioning as designed must be provided to the City prior to any rate reduction. The property must be fully stabilized to avoid sediment runoff prior to the reduction being approved.

The owner must complete annual inspections of the SWMF. Inspections must be completed by a certified inspector and documented along with all discrepancies noted and corrective actions taken. These annual reports will be submitted to the Division no later than June 1 of each year. The
inspection forms will be retained by the Division for the specific SWMF installed. Failure to submit the annual inspection reports will void the rate reduction starting on July 1.

The following items must be completed and submitted with your application to the Division to receive the reduction.

- Completed application for the Storm Water Fee Reduction/Waiver
- Proof of ownership of the facility
- Storm water system maintenance schedule
- Site Plan and Water Quality Calculations

Right to Inspection

The City may inspect the SWMF at any time during the year. If the on-site stormwater storage is no longer functioning or has not been maintained, the City reserves the right to cancel the credit for up to three years.

Residential and Non-Residential Application Checklist

- ☑ Applicant Name:
  Name of individual property owner
- ☑ Property Address:
  List address number and street name
  Include city and zip code.
- ☑ Mailing address include if different from property address.
- ☑ Parcel ID number:
  Each piece of land has its own parcel ID number. This information can be found on the City's website under Norfolk Air
- ☑ Phone number:
  The primary contact for the applicant
- ☑ Email address:
  The primary contact for the applicant
- ☑ Credits applying for:
  Select the credit for which the applicant is applying. If you are doing a residential project, check the first box. The other options relate to commercial properties and apartment complexes.
- ☑ SWFM type applying for
  Check ALL that apply
- ☑ Attach ALL SWMF plans.
- ☑ Checked and complied with all applicable City codes
- ☑ Applicant signature/date

Questions? Call 823-4010 or send a letter to SW Fee Reduction Program, Attn., Storm Water Engineer, 2233 McKann Ave, Norfolk VA 23509

Maintenance Requirements

Storm Water Management Facilities (SWMFs) installed on a property must be maintained to ensure continued function.

Restrictions on Credits

Transfer of credit:
The property credit applies only to the applicant. Credits do not transfer if home ownership changes. A new application must be submitted for new account holders to receive the credit.

The SWMF must meet all applicable City of Norfolk building, planning and zoning code requirements.

Right to Inspection

The City may inspect the SWMF at any time during the year. If the on-site stormwater storage is no longer functioning or has not been maintained, the City reserves the right to cancel the credit for up to three years.

Fee reductions associated with SWMF installation on residential and non-residential properties will become effective starting the first day of the following month after approval from the Director of Public Works or his designee. Retroactive rates reductions will not be considered. Rate reductions will be reviewed by the Director of Public Works or his designee annually during the month of June to ensure continued compliance with the rate reduction requirements. Failure to submit annual inspection reports for the previous year by June 1 may void the storm water rate reduction starting on July 1 and would require reapplication.

Stormwater Credit General Application

Applicant Name: _____

Property Address: _____

City/Zip: _____

Mailing address: (if different than property address) _____

City/Zip: _____

Parcel ID number: _____ Phone Number: _____

Email address: _____

Check One:

☐ This is the first credit application for this property.

☐ This is a credit renewal request.

☐ This is a reapplication after a credit suspension.

Credit applying for:

☐ Single-family residential property - **Complete Part 2 on next page**

☐ Multi-family/non-residential SWMF - **Supply Supporting Documentation**

- Proof of ownership
- Storm water maintenance schdule
- Copy of approved site plan
- Copy of storm water calulations
- As builts or certifications if applicable

Applicant/Contact Signature: _____

Date: _____

Mail to: City of Norfolk, Stormwater Utility, Attn: Stormwater Credit Applications
2233 McKann Avenue, Norfolk, VA 23509

Single Family Residential Stormwater Credit Application - Part 2

Applicant Name: _____ Parcel ID Number: _____

Credit Applying For: *Check all that apply*

☐ **RAIN GARDEN**

Drainage Area Treated: _____ Surface area & average depth: _____

Date of construction: _____ ☐ Planting plan attached

☐ **ON-SITE STORMWATER STORAGE**

☐ Rain barrels ☐ Cistern ☐ other

Roof area treated (sf): _____ Volume of on-site storage _____ gallons

Water use: _____

☐ **PERMEABLE PAVEMENT WITH UNDERDRAIN**

☐ Paving blocks ☐ grid or grass pavers ☐ pervious concrete or asphalt

Surface area of pavement (sf): _____ Drainage area treated (sf): _____

☐ Stone reservoir is at least 10 inches deep at all points ☐ Compliant with city code

☐ **VEGETATED FILTER**

☐ Bioswale ☐ Living Shoreline ☐ Buffer area ☐ Grass swale

Drainage area treated (sf): _____ Length & average depth: _____ ☐ Planting plan attached

☐ **LAWNCARE NUTRIENT MANAGEMENT PLAN**

☐ Approved plan attached

☐ **GREEN ROOF**

Roof surface area (sf): _____ ☐ Planting plan attached

☐ **ROOFTOP DISCONNECTS WITH SOIL AMENDMENTS**

Length & width of flow path (sf): _____ Amended soil depth (sf): _____

☐ **PHOTOGRAPH OF MEASURE AS INSTALLED IS ATTACHED**

Single Family Residential Stormwater Credit Application - Part 2

Sketch of property with SWMF shown. (Attach additional plans as needed)

All applicable local codes:
_____ (initial) I, the applicant, have complied with all local codes applicable to the installation of the SWMF.

Owner certification:
_____ (initial) I hereby certify that I own and live at the property and I further declare, under penalty of perjury, that the information provided by me in this application is the truth to the best of my knowledge and belief.

Applicant/Owner Signature:_____ Date: _____

Mail to:
City of Norfolk Public Works, Stormwater Utility, Attn: Stormwater Credit Applications
2233McKann Avenue, Norfolk VA 23509

City of Norfolk,

Stormwater Utility

2233 McKann Avenue

Norfolk, VA 23509

757.823.4010

www.norfolk.gov

THE CITY OF NORFOLK℠

PUBLIC WORKS

Adopted: October 2016

Stormwater Fee Reduction Renewal Tracking

Name	***Address (Link to File)***	***Parcel ID (Account #)***	***Email***	***Telephone***	***Accepted Practices***	***Credit (Link to Tab)***	***Date Credit Application Approved***	***Date Approved/Received 2018 Reinspection Report***	***Date Approved/Received 2019 Reinspection Report***
Ruth Amundsen	5614 Shenandoah Ave. Norfolk, VA 23509	49210700	rma@cox.net	757-858-8548	Cistern, Rain Garden, Permeable Pavement, & Green Roof	60%	1/18/2017	5/30/2018	5/2/2019
Peter Marshall & Diane Horowitz	934 Westover Ave. Norfolk, VA 23507	879005	marshall.p1@cox.net	757-623-7093	4 Rain Barrels	40%	4/3/2017	5/16/2018	5/1/2019
Thomas Scarpelli	923 Westover Ave. Norfolk, VA 23507	6718500	thomas.scarpelli@cox.net	757-627-3407	1 Rain Barrel	10%	4/12/2017	5/29/2018	5/8/2019
James & Josephine Cole	232 E. Westmont Ave. Norfolk, VA 23503	1530885205	jacole23@cox.net	757-588-8623	1 Rain Barrel & 1 Rain Garden	30%	4/11/2017	5/6/2018	5/29/2019
James & Rebekah Weckerly	5421 Powhatan Ave. Norfolk, VA 23508	1429224337	jamesweckerly@gmail.com	757-440-5276	1 Rain Barrel	10%	6/29/2017	6/4/2018	5/2/2019
Michael Phillips	3809 Abingdon Cir. Norfolk, VA 23513	1449203708	merrillmichaelphillips@gmail.com	757-620-2875	1 Rain Barrel	10%	6/30/2017	6/1/2018	
John & Ellen Seniuk	9608 Grove Ave. Norfolk, VA 23503	1540783898	ellenseniuk1@gmail.com	570-242-0175	1 Rain Barrel	10%	6/30/2017	6/1/2018	5/11/2019
Lucas Johnson	437 Rhode Island Ave., Norfolk, VA 23508	1438096855	lucasj24@gmail.com	703-216-4290	1 Rain Barrel, 1 Nutrient Management Plan, & 1 Rain Garden	40%	8/1/2017	5/29/2018	5/12/2019
Diane Ruhl	511 Suburban Pkwy., Norfolk, VA 23505	32810700	gldr@yahoo.com	757-531-9121	1 Rain Barrel & 1 Rain Garden	30%	8/11/2017		
Martha Versprille	525 Connecticut Ave. Norfolk, VA 23508	1438090761	mrth728@gmail.com	757-353-8787	1 Rain Barrel	10%	2/15/2018	N/A	
Dan Villanueva	8553 Old Ocean View Ave. Norfolk, VA 23503	1540164943	danvil924@gmail.com	757-232-6127	1 Rain Barrel	10%	4/16/2018	N/A	5/30/2019
Jennifer Torres	404 Ridgeley Rd Norfolk, VA 23505	1439043474	jenniferdauertorres@yahoo.com	757-286-1527	3 Rain Barrels	30%	5/14/2018	N/A	
Rachel Neese	1627 Ashland Ave Norfolk, VA 23509	1438671947	racheldneese@gmail.com	618-604-0301	1 Rain Barrel	10%	5/7/2018	N/A	
Matthew Hall	4810 Newport Ave Norfolk, VA 23508	14286010	mhall@odu.edu	757-338-0869	1 Rain Barrel	10%	8/23/2018	N/A	
Timothy Hixon	1409 Armistead Bridge Rd Norfolk, VA 23507	19490800	timandjanet@tenaj.net	757-630-9130	2 Rain Barrel's	20%	4/8/2019	N/A	N/A
Elizabeth Burns	9500 Hammett Parkway Norfolk, VA 23509	26129250	burns228@cox.net	757-409-1272	1 Rain Barrel	10%	6/18/2019	N/A	N/A

Appendix 9

10/1/18

Chemical Spill Response Training
By Sigma Consulting & Training - Instructor Chris Pappas
Location: City of Norfolk, 1176 Pineridge Rd, Norfolk, VA 23502

	Employee Name	Department	Signature
1	Arnold, Robert	PW Waste Management	
2	Baker, Rand	UTIL - Water Production	
3	Bass, Chris	PW Waste Management	
4	Belcher, James	UTIL - Waste Water	
6	Bolden, Thomas	UTIL - Water Production	
7	Boose, Tommie	PW Waste Management	
8	Broadnax, Carl	UTIL - Waste Water	
9	Brown, Priscilla	PW Waste Management	
10	Bryant, Jamanda	PW Operations Sweeping	
11	Bullock, Clarence	PW Waste Management	
12	Carey, Chris	UTIL - Water Production	
13	Cason, Willie ~~Ca~~son, Willie	PW Waste Management	
14	Carter, Donnie	PW Waste Management	
15	Cherry, Karl	UTIL - Water Distribution	
16	Davis, Freddie	UTIL - Water Distribution	
17	Delahaya, Robert	PW Operations Safety S&B	
18	DePietro, Joseph	RPOS/Cemeteries	
19	Dill, John	RPOS/Cemeteries	
20	Dodd, Eric	PW Waste Management	

	Employee Name	Department	Signature
21	Edwards, Brian	PW Waste Management	
22	Evans, Norman	UTIL - Waste Water	
23	Foster, Nathaniel	PW Operations Yard S&B	
25	Golden, Keith	RPOS/Cemeteries	
26	Gwin, Nate	UTIL - Water Production	
27	Hariston, Angela	UTIL - Water Distribution	
28	Hawkins, William	Parking	
29	Hudgins, Ryan	PW Operations Storm Water	
30	Hutton, David	PW Operations Yard S&B	
31	Ingram, Ryan	PW Operations Sweeping	
32	Jacocks, Greg	UTIL - Water Distribution	
33	James-Parson, Alfred	PW Waste Management	
35	Jefferson, Androse	PW Waste Management	
36	Johnson, Clifford	PW Waste Management	
37	Jones, Lonnie	PW Waste Management	
38	Jones, Vincent	Parking	
39	Jordan, James	UTIL - Waste Water	
40	King, Thomas	UTIL - Waste Water	
41	Latimer, Jasmine	PW Waste Management	
42	Mack, Peter	PW Operations Storm Water	

	Employee Name	Department	Signature
43	Magruder, Casey	PW Operations Storm Water	Casey Magruder
44	May, Pierre	PW Operations Sweeping	Pierre May
45	Mays, Joshua	PW Operations Sweeping	
46	McReynolds, Taylor	PW Operations Sweeping	Taylor McR
47	McReynolds, Trevor	UTIL - Water Production	
48	Mills, Jonathan	PW Waste Management	
49	Ming, Bruce	PW Waste Management	
50	Montgomery, Joseph	PW Operations Sweeping	
51	Mullings, Juan	PW Operations Yard S&B	
52	Patton, Steve	PW Operations Sweeping	
53	Perry, James	PW Waste Management	
54	Proffer, Scott	PW Operations Pump Station	
55	Quick, Kyle	PW Operations Storm Water	
56	Rawlings, Christopher	UTIL - Waste Water	
57	Ruffin, Clarence	PW Waste Management	
58	Serrano, Luis	PW Operations Storm Water	
59	Shafer, Justin	PW Operations Storm Water	
60	Sharp, Charles	PW Waste Management	
61	Siemering, Chris	PW Operations Storm Water	
63	Skinner, Javon	UTIL - Water Production	

	Employee Name	Department	Signature
64	Slater, Matthew	PW Waste Management	
65	Smith, Fred	PW Operations Sweeping	
66	Speller, Alan	PW Waste Management	
67	Stevens, Russell	UTIL - Water Distribution	
68	Stewart, Roeger	PW Operations Sweeping	
69	Stone, Claude	UTIL - Water Production	
70	Sutherby, Jacob	PW Waste Management	
71	Taylor, Christopher	PW Operations Storm Water	
72	Thetga, Joshua	RPOS/Cemeteries	
73	Thomas Shawn	PW Waste Management	
74	Tressler, Joseph	PW Waste Management	
75	VanLear, Christina	PW Operations Storm Water	
76	Vaughan, Alton	PW Operations Sweeping	
77	Wasson, Joshua	Parking	
78	Watford, Nathaniel	PW Operations Sweeping	
79	Whitehurst, June	PW Operations Storm Water	
80	Whittaker, Darrell	PW Operations Sweeping	
81	Williams, Elliot	PW Operations Sweeping	
82	Williams, James	PW Waste Management	
83	Williams, Thomas	PW Waste Management	

	Employee Name	Department	Signature
84	Wilson, Laurie	UTIL - Waste Water	
85	Wooten, Donte	PW Operations Storm Water	
86	Wynn, Barbara	PW Waste Management	
87	Kevin Smith	storm water	
88	Donte Wooten	Stom Water	
89	Shawn Henry	PW Operations StormWater	
90	Jeremiah Willis	Water Production	
91	Brooks Hodge	Water Production	
92	Michelle Williams	Storm Water	
93			
94			
95			
96			
97			
98			
99			
100			

69 Total

OSHA Level II Spill Response Training - October 4, 2018

Division	Emp ID #	Last Name	First Name	Signature
41200		Streets		
	129626	Bell	Karlton	
	117763	Benton	Kenneth	
	129255	Boone	Gregory	
	130419	Davis	Dionte	
	130364	Deloatch	Juan	
	129902	Drake	Jeffrey	
	129667	Evans	Hodari	
	126715	Jones	Michael	
	130309	Magnus	Brian	
	130327	Sappington	Craig	
	130395	Smith	Denon	
	130328	Spence	Adrian	
	123947	Watson	Joshua	
	129540	Williams	Anthony	
	126592	Wilson	Ryan	
	115931	Wilson	Everette	
41210		Bridges		
	114696	Arban	Mike	
	130420	Bell	Aikeen	
	130410	Carrington	David	
	128218	Moore	Christopher	
	129641	Morgan	Kenneth	
	129635	Muhammad	Khalid	
	124230	Patterson	Bryan	
	127599	Savelle	Paul	
		CITY OF NORFOLK		
	22605	Hutton, DAVID		

61001	Storm Water Environmental			
	129366	Berry	Thomas	
	126223	Butler	Deborah	
	130274	Perry	Mark	
	Chesapeake Garage			
		Foulkes	Albert	
		Gauthier	David	
	124765	Munley	Nate	
	Chesapeake Public Schools			
		Albertson	Stephanie	Stephanie Albertson
		Batts	John	
		Davenport	Jeremiah	
		Greiner	Zach	Zach Greiner
		Parker	Justin	Justin Parker
		Stanek	Jeff	
	City of Norfolk			
		Bell	Gary	
		Foster	Steven	
		Foster	Nathaniel	
		Januska	Mathew	
		Simone	Christopher	
		Smith	Bashond	
		Sutherby	Jacob	
42300	Waste Management			
	121953	Brown	Kindzell	
	114257	Hughes	Lillie	
	128885	Sanders	John	
	127523	Simmons	Tyrone	
	128470	Zemienieuski	Tyler	

Appendix 10

City of Norfolk - Public Works Operations Environmental Storm Water Management

DRY WEATHER MONITORING - FY19

Date	Address or Intersection	Findings	Resolution Date	Resolution
3/10/2017	1832 Church Street*	No findings	No need for resolution.	**Reinspection 5/1/2019 1 tie-in**
8/9/2018	2450 STRIBLING LN	No findings	No need for resolution.	
8/9/2018	2463 E LITTLE CREEK RD	No findings	No need for resolution.	
8/9/2018	2475 E LITTLE CREEK RD	No findings	No need for resolution.	
8/9/2018	4037 E LITTLE CREEK RD	No findings	No need for resolution.	
8/9/2018	7851 AZALEA GARDEN RD	No findings	No need for resolution.	
8/9/2018	7851 AZALEA GARDEN RD	No findings	No need for resolution.	
8/9/2018	7851 AZALEA GARDEN RD	No findings	No need for resolution.	
8/9/2018	913 HULLVIEW AVE	No findings	No need for resolution.	
10/24/2018	135 GLEN ECHO DR	No findings	No need for resolution.	
10/23/2018	1902 MONTCLAIR AVE	No findings	No need for resolution.	
10/24/2018	2215 E Indian River Road	No findings	No need for resolution.	
10/24/2018	2224 Springfield Avenue	No findings	No need for resolution.	
10/24/2018	2301 EUSTIS AVE	No findings	No need for resolution.	
10/24/2018	2400 E INDIAN RIVER RD	No findings	No need for resolution.	
10/24/2018	2400 E INDIAN RIVER RD	No findings	No need for resolution.	
10/24/2018	2403 E INDIAN RIVER RD	No findings	No need for resolution.	
10/24/2018	415 CAMPOSTELLA RD	No findings	No need for resolution.	
10/24/2018	425 Campostella Road	No findings	No need for resolution.	
10/24/2018	805 FORD DR	No findings	No need for resolution.	
11/29/2018	6319 CHESAPEAKE BLVD	No findings	No need for resolution.	
11/29/2018	8105 HAMPTON BOULEVARD	No findings	No need for resolution.	
1/8/2019	225 Peachtree Street	No findings	No need for resolution.	
2/1/2019	6222 E VIRGINIA BEACH BLVD	No findings	No need for resolution.	
2/2/2019	981 SCOTT STREET	No findings	No need for resolution.	
2/3/2019	985 INGLESIDE RD	No findings	No need for resolution.	
2/4/2019	9461 Dupre Avenue	No findings	No need for resolution.	
2/4/2019	200 W. Government Avenue	No findings	No need for resolution.	
2/4/2019	9489 1st View	No findings	No need for resolution.	
2/4/2019	218 W. Government Avenue	No findings	No need for resolution.	
2/5/2019	706 May Avenue	Discharge seen Hydrolic fluid on site and surrounding area.	2/5/2019	Spoke with owner and they were able to clean up hydrolic fluid and discharge of it properly.
3/8/2019	1253 Lake Taylor Drive	No findings	No need for resolution.	
3/8/2019	1211 Dewberry Lane	No findings	No need for resolution.	
3/27/2019	3434 Westminster Avenue	No findings	No need for resolution.	
3/29/2019	950 Anna Streeet	No findings	No need for resolution.	
3/29/2019	3544 Mangrove Avenue	No findings	No need for resolution.	
4/1/2019	1248 Granby Street	No findings	No need for resolution.	
4/3/2019	408 Debree Avenue	No findings	No need for resolution.	
4/3/2019	328 W. 20th Street	No findings	No need for resolution.	
5/3/2019	1015 E. Princesss Anne Road	No findings	No need for resolution.	
5/3/2019	1100 Princess Anne Road	No findings	No need for resolution.	
5/17/2019	952 Sutton Street	No findings	No need for resolution.	
5/17/2019	1401 Tidewater Drive	No findings	No need for resolution.	
5/23/2019	830 Goff Street	No findings	No need for resolution.	
6/3/2019	1424 South Main Street	No findings	No need for resolution.	
6/4/2019	201 E BERKLEY AVE	No findings	No need for resolution.	
6/5/2019	3805 COLLEY AVE	No findings	No need for resolution.	
6/6/2019	4201 COLLEY AVE	No findings	No need for resolution.	
6/7/2019	4201 COLLEY AVE	No findings	No need for resolution.	
6/8/2019	810 W 39TH STREET	No findings	No need for resolution.	

Appendix 11

Magruder, Casey

From: Whitehurst, June
Sent: Thursday, August 02, 2018 8:17 AM
To: Andrew Scott; Dail, Jennifer; Shafer, Justin; Armstrong, Christine; frank.fabian@vdot.virginia.gov; rfriend@rkk.com
Cc: Garner, Peter; Magruder, Casey; White, John M.
Subject: VDOT Coordination Meeting- Hampton Roads Bridge Tunnel Crossing

August 1, 2018, City of Norfolk staff met with VDOT project management team for the Hampton Roads Bridge Tunnel Crossing project. VDOT is searching for the potential to develop storm water best management practices on City land to offset the 30-100lbs of Phosphorus reductions in storm water management required by state code for redevelopment.

It is recommended by City staff to construct a retrofit and "bank" those nutrient credits for this project. DEQ allows entities to bank credits from one project to be used on another. This will ensure that LD activity that occurs for the retrofit will not be included in the overall storm water P load reduction requirements for the HRBT crossing project.

VDOT requested that the City provide a list of potential projects that may be considered for P-load reductions for this project. The city provided the following suggestions to help VDOT achieve the load reduction requirement:

- Mason Creek Retrofit – The City has completed a number of studies on this watershed that will be provided to VDOT for review. It is recommended that VDOT consider retrofitting this wet pond. This project is the most likely way for VDOT to meet the large amount of Phosphorus requirements in the most cost effective manner. Excess load reductions could be used for future development project mitigation or TMDL compliance for VDOT.
- Lake Whitehurst Retrofit– The City is in the very early states of developing a feasibility studying to retrofit this watershed for TMDL load reduction requirements. This is a challenging project with a number of stakeholders. This project would assist the City with meeting Little Creek TMDL load reduction requirements.
- CFI Pond Expansion – VDOT constructed a large wet pond at the corner of N. Military Hwy and E. Princess Ann. Although challenging due to possible contaminated soils, the pond may be able to be expanded to capture P load reductions.
- N. Military Hwy ramps to and from 264 – This area appears to have BMPs on the ramps that require significant maintenance. May be an opportunity for VDOT to retrofit these ponds to obtain credits with the added benefit of performing major maintenance to ponds that have been neglected over the years.
- Commodore Park – Sound barrier has caused some drainage problems for residents. May be an opportunity for VDOT to install a storm water feature to not only alleviate flooding for resident, but also obtain credits for P load reductions.
- Other Smaller Options
    - Stream Restoration – Identifying perennial streams in Norfolk may be challenging. If there is interest, the City will assist VDOT with identifying some of the potential sites.
    - Oyster Reefs – Instream treatment has not been approved as a crediting BMP for redevelopment at this time; however for the Bay TMDL, the EPA has continued to study.
    - Land Conservation / Reforestation – If this is an interest, Justin will assist with identifying potential sites.
    - Street Sweeping – If VDOT can get DEQ to approve, VDOT may be willing to purchase additional sweepers for City to clean streets for credit. Not much luck getting EPA to approve street sweeping as a BMP for nutrient removal; however DEQ may approve based on their current Bay TMDL guidance.
    - Vactor Truck – If VDOT can get DEQ to approve, VDOT may be willing to purchase an additional Vactor for structure cleaning for the City. The EPA does currently credit this for TMDL compliance.

- Manufactured Treatment Devices – The City suggested using some type of chambered system (Vortechnics) up stream of outfalls to obtain P credit for this project and also assist the City to addressing marine debris concerns. This is the easiest BMP for the City to maintain long-term. FYI - The City **does not** allow cartridge MTDs on City property for City crews to maintain. Please, do not consider this type of MTD for pollutant removal with the expectation that the City will maintain long-term.

City of Norfolk is relying on HRSD and SWIFT to assist the City with meeting the Chesapeake Bay TMDL requirements. Therefore the City does not require additional load reductions at this time, except in the Little Creek watershed.

If a BMP is identified on City land, a MOU/MOA will be developed between the City and VDOT for the project.

If you have questions regarding the meeting notes, please let me know.

Thanks:

June Whitehurst
Environmental Programs Manager
THE CITY OF NORFOLK
Department of Public Works
2233 McKann Avenue
Norfolk, VA 23509
757-823-4005 | 757-651-1965 mobile

Connect with us:
www.norfolk.gov

PUBLIC WORKS

HNTB Corporation
www.hntb.com

Project Name
I-64/I-264 Interchange Improvements Phase III

Date of Meeting
February 21, 2019

Study Team Meeting

Location
VDOT HR District
7511 Burbage Drive, Suffolk

VDOT Project No.
0264-122-342/ UPC 106693

Time
1:00 pm to 3:15 pm

HNTB Project No.
69693-ds-001

Participants
see sign-in sheet

MEETING MINUTES

Summary of Discussion

1. HNTB presented Alternatives A, B, and C, focusing on recent geometric and operational refinements made since the layouts were last distributed. It was noted that some of the roadway improvements currently under construction will not provide sufficient capacity for the 2044 design year being used for this study. The design year used for current construction projects is as much as nine years earlier than the 2044 design year used for this study. The later design year is associated with higher traffic volumes, which warrant a level of improvement beyond what is currently under construction.

2. It was noted that the traffic volumes used for Tier 2 analysis are, in some cases, significantly higher than those used for Tier 1 evaluations. Tier 1 volumes were derived from prior studies, and were used as a starting point for the current study. Tier 2 volumes were derived from the regional travel demand model, which reflects regionally accepted assumptions and projections regarding land use, commute patterns, and travel modes.

   Representatives of the City of Norfolk questioned the traffic volume projections, as well as the trip routing used in the travel demand model. VDOT will provide additional background information on traffic forecasting in a follow-up technical brief.

<u>VISSIM Analysis</u>

3. HNTB presented initial findings of VISSIM modeling for Alternatives A and B, noting that preliminary results for modeling of Alternative C would be available March 4. VISSIM modeling is being performed using PM peak hour volumes for screening purposes. Improvements are being refined through an iterative process using model results, with consideration of AM and PM peak hour volumes.

   a. In general, traffic operations on the interstates and ramps in Alternatives A and B operate well. Refinements are expected to continue.

   b. Conditions on I-64 and I-264 outside of the study area will constrain traffic flow entering the modeled network. Highway capacity of adjacent freeway segments will not be sufficient to accommodate projected demand. If left unimproved, those conditions will meter traffic flow into the study area. For the purposes of modeling operations within the study area under maximum demand, those constraints

have been removed. This approach ensures that improvements identified as part of this study will be sufficient to accommodate projected demand.

c. For Alternative A, the merge-weave area along the proposed WB I-264 outer C/D roadway between Newtown and I-64 will operate with relatively high densities and relatively low speeds. Additional modeling is needed to confirm operations in this area.

d. The three-lane WB I-64 mainline at Northampton Boulevard is noted to operate near capacity. Some model runs show this segment operating with high densities, while other model runs show this segment breaking down. Models will continue to show a three-lane section at this location.

Military Highway

e. Portions of the Military Highway corridor operate with high density, long delay, and heavy queuing. Specifically, the WB triple left-turn movement from Poplar Hall onto SB Military Highway is over capacity and improvements to Military Highway cannot be formulated without significant right-of-way impacts to developed commercial parcels. The short distance between the Poplar Hall and Hoggard intersections does not provide sufficient queuing capacity relative to demand. Accordingly, the Poplar Hall/Military Highway intersection will fail under all build scenarios.

Witchduck Road

f. All alternatives feature modifications to the Witchduck/Grayson intersection, including limited egress movements from Grayson to right-turns oriented to NB Witchduck Road;l through movements to the entrance ramp to EB I-264 and left turn movements to SB Witchduck Road would be relocated to Bonney Road. An alternative was considered that provided a new directional ramp from NB Witchduck onto EB I-264. This alternative was not carried forward because it too would require turn restrictions exiting Grayson, and had the potential for greater right-of-way impacts.

   Studies undertaken to support the I-64/I-264 Phase II improvements evaluated this intersection, and concepts to limit turn movements at this intersection were met with significant public opposition. City of Virginia Beach staff cautioned that the public is likely to have the same reaction to the potential recommendations from this current study.

g. North of I-264, the Witchduck corridor poses challenges relative to through traffic volumes and turning movements, especially at the Witchduck/Cleveland intersection. Three concepts were formulated and incorporated into Alternatives A, B, and C, respectively - the 'jug handle' concept, 'barbell' U-turns on Cleveland Street; and 'barbell' U-turns on Witchduck Road.

h. The jug handle concept operates well as part of the VISSIM model for Alternative A. City of Virginia Beach staff noted that the layout and operation of the concept is inconsistent with the desired street environment along Jersey Avenue, and noted that it would require reopening Admiral Wright Road, which has just been closed. The City does not support the jug handle concept.

i. The 'barbell' U-turns on Cleveland Street were demonstrated to operate well in Synchro analysis, but fail in VISSIM analysis of Alternative B to the extent that operations on I-264 are shown to be affected. To enable evaluation of the other aspects of Alternative B, operational constraints associated with the barbell layout were removed from the model. The 'barbell' U-turn concept on Cleveland Street is not recommended for further consideration.

j. The 'barbell' U-turn concept on Witchduck Road will be evaluated as part of the VISSIM model for Alternative C. City of Virginia Beach staff noted that the concept will force major geometric changes to the improvements currently under construction, and reverses the need to align Southern with the entrance ramp to WB I-264. City staff do not support this concept, further noting that it conflicts with a

current pending application for SmartScale funding.

k. The IMR will identify at least one improvement concept that provides acceptable operations in the Witchduck corridor. Further studies by others may be undertaken to identify alternative concepts for the Witchduck corridor that also provide suitable operations.

Stormwater Management

4. HNTB presented the methodology for evaluating stormwater management needs within the study area. All three alternatives have comparable impervious areas, which were totaled to calculate the total amount of detention and treatment required for the entire study area. Those needs were then proportioned across each drainage area. A minimum storage elevation of 10.0 was assumed. Areas for stormwater management facilities were identified based on known outfall locations, terrain elevations, constraints posed by the built environment, and the required facility size. Findings include the following:

   a. Layouts and siting of stormwater management facilities maximized use of eligible areas within existing right-of-way. Even so, right-of-way will likely need to be acquired beyond existing right-of-way to provide the required detention and treatment capacity. New facilities located outside of existing right-of-way are sited on undeveloped parcels, or undeveloped portions of developed parcels to reduce right-of-way costs and avoid the need for relocations.

   b. It may be possible to expand existing or planned stormwater management facilities to achieve required storage and/or treatment capacity. Layouts reflect the conservative approach that all stormwater management facilities will be separate from existing or planned facilities.

   c. Access requirements for stormwater management facilities will require special consideration. In some locations, access may need to be provided through noise walls, or via access roads developed within existing right-of-way.

   d. The location and size of required facilities inform the cost of meeting current stormwater management facilities across the study area. Those costs have been calculated and included in the overall cost estimates for each alternative layout.

   e. Layouts are conservative in that they do not reflect the potential to reduce required treatment up to 25% through purchase of nutrient credits.

Upcoming Activities

5. HNTB noted that work continues on the IMR document, which is being written by chapter as information becomes available through the study process.

6. HNTB identified activities to be undertaken during the next 60 days. These include completion of VISSIM modeling; cost estimating; evaluation of right-of-way and environmental impacts; evaluation of alternative layouts for compliance with design standards; and completion of the evaluation matrix.

7. The next study team meeting is anticipated to be held in late March. At that meeting, the study team will review the evaluation matrix, determine which component improvements are preferred, and determine if there is a need to develop and study a hybrid composite 'Alternative D'.

8. The April study team meeting is projected to include a review of the final modeling and evaluation results, and formally select a recommended alternative.

Study Team Meeting - Agenda

February 21, 2019

I-64/I-264 Interchange Improvements Phase III
City of Norfolk, Virginia
Project No. 0264-122-342 / UPC 106693

1) Opening remarks - VDOT

2) Composite Alternatives Concepts A, B, and C

3) Drainage/SWM
   a. Assessment methodology
   b. Initial observations and findings

4) Traffic Analysis
   a. Tier 1 vs. Tier 2 volumes
   b. Synchro modeling - status
   c. VISSIM modeling - observations and findings
   d. Outlook

5) IMR Status

6) Environmental

7) Schedule
   a. Current activities
   b. Outlook - next 0-60 days
   c. Next Study Team meetings

8) Open Discussion

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HNTB

VDOT

Study Team Meeting - Sign-In Sheet
February 21, 2019
I-64/I-264 Interchange Improvements, Phase III / Norfolk, Virginia
Project No. 0264-122-342/ UPC 106693

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COMMONWEALTH of VIRGINIA

DEPARTMENT OF TRANSPORTATION
7511 Burbage Dr.
SUFFOLK, VIRGINIA 23435

Purpose:	Annual MS4 Coordination Meeting with Phase 1 MS4 permittees, Satisfy MCM7
Date:	April 4, 2019
Location:	Hampton Roads Planning District Commission, Chesapeake VA
Attendees:	Reference sign-in sheet
VDOT Staff:	Chris Swanson, Scott Crafton, Michelle Fults, Jennifer Lightfoot, Tracey Harmon, Andrew Scott, Kun Dong, Jennifer Dail

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Agenda Items

1. Introductions

2. MS4 Program Plan Updates

3. Mapping

    a. Update
    b. Physically Interconnected
        i. Potential locations shared
        ii. Field assessments/Verification/Data Collection
        iii. Uploaded and reported annually with annual report

4. TMDL Update
    a. Potential Credit Opportunities
    b. Action plan updates
    c. Other Major Milestones/Implementation
        i. Skiffes Creek-Completed
        ii. I-64 Segment III
    d. Credit sharing potential opportunities
        i. I64/264 Interchange Improvements
        ii. HRBT

5. IDDE

    a. Update POC's for reporting IDDE's
    b. "VDOT Contacts for IDDE Reporting" handout
    c. High risk industrial facility updates?

6. Future Coordination Meetings

VirginiaDOT.org
WE KEEP VIRGINIA MOVING

VDOT Coordination Meeting

April 4, 2019

City of Norfolk Representation:
June Whitehurst, Environmental Programs Manager

VDOT:
Chris Swanson, Scott Crafton, Jennifer Dail, Michelle Fults, Jennifer Lightfoot, Tracey Harmon, Kun Dong

MS4 Program Plan updates

VDOT submitted the plan on Oct 1, 2018; DEQ had no comments or concerns about the plan. VDOT is waiting on letters for the TMDL Action Plan and/or annual report.

Norfolk had minor modifications to the MS4 Program Plan that were submitted to DEQ.

Mapping

VDOT in the process of reconciling data with MS4 interconnectivity. Requested that if any municipality has data, they would like to obtain a copy. VDOT has outfalls and other points of discharge mapped currently. VDOT continues to build and capture data in the field

Norfolk continues to update the GIS grid by grid, as well as with As-builts. GIS staff will coordinate to ensure the GIS layers of both VDOT and Norfolk are up to date.

TMDL Updates

VDOT submitted Ches Bay Action Plan Phase II as well as two local plans for bacterial and phosphorus. VDOT is in discussions with HRSD to try to figure out credit trading. VDOT is piloting some BMPs throughout the Bay watersheds that may be used as model projects for other retrofits. They would like to coordinate with Norfolk to try to do some shoreline projects.

VDOT also looking at possibly using Street Sweeping towards compliance requirements. Would like to coordinate with Norfolk about the sampling protocol for the Norfolk study that is being conducted. Norfolk will share the protocol with Tracy Harmon.

VDOT concerned about an error in the shoreline stabilization report. VDOT reached out to Urban Workgroup to have the report corrected. Through municipalities would also want to ensure the error is corrected.

VDOT is proposing to buy N credit if they cannot address them. They also want to utilize stream restoration and dry swale projects.

Norfolk submitted the Action Plan that included a multitude of types of retrofits. Norfolk awaiting DEQ approval from Central Office.

Norfolk Local TMDL action plan includes bacteria for the Elizabeth River. The BMPs are generally education & outreach with some boater pump out and enhanced dog waste. Norfolk also continues to coordinate with HRSD for source tracking. Norfolk suggested VDOT reach out to HRSD to see if they could partner to help with source tracking and sampling.

IDDE

VDOT provided an IDDE contact list to municipalities. Jennifer Dail requested that if there were changes with POCs for the municipalities to please e-mail them to her.

Norfolk mentioned that Kyle Quick has changed roles in Norfolk and would no longer be the POC for illicit discharges.

High Risk Facilities

VDOT requested that is there are any high risk facilities that connect to VDOT system to let them know if Norfolk finds any or has any mapped.

Off-site Support Activities for Construction Activity

VDOT mentioned that Chris Swanson reached out to Jaime at DEQ regarding the permitting for the VDOT construction site lay down areas for their construction projects. DEQ stated that VDOT had the right to require their contractor obtain separate permit for those activities. DEQ stated that it would fall under the "common plan of development" requirements.

Municipalities including Norfolk still argue that the local VSMP authorities should not be responsible for permitting a lay down area for a VDOT construction project. The municipalities are concerned because the lay down areas have the potential to be discharged into the local MS4 areas without permit coverage and could be a violation of the MS4 permits. Additionally, lay down areas do not go through the local site plan approval process. The contractors would be required to fulfill all the standard requirements to obtain separate coverage including SWPPP and post-construction requirements. Municipalities plan to have further discussions with DEQ on the matter. The Municipalities doe not believe they have or should have responsibilities and oversight over the lay down area of a state project.

VDOT/ Phase I MS4 COORDINATION MEETING SIGN-IN SHEET

April 4, 2019

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VDOT/ Phase I MS4 COORDINATION MEETING SIGN-IN SHEET

April 4, 2019

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VDOT/ Phase I MS4 COORDINATION MEETING SIGN-IN SHEET

April 4, 2019

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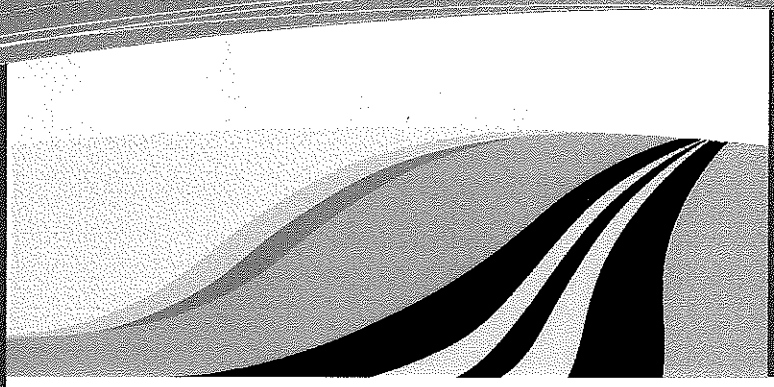
Allison Watts	Newport News	awatts@nnva.gov	757-933-2332
Kim Moshier	Newport News	MoshierKM@nnva.gov	757-604-2770

VDOT Contacts for IDDE Reporting



Discharges from Vehicular Accidents

VDOT's MS4 Permit specifies that spills from vehicular accidents are **NOT** tracked and reported as illicit discharges if they enter the VDOT storm sewer system.

If you have a spill from a vehicular accident that needs VDOT's attention, please contact the VDOT Customer Service Center at 1-800-FOR-ROAD (1-800-367-7623).

Additional Questions?

JJ Lightfoot
Central Office Illicit Discharge Coordinator

Phone: (804) 837-0022
Jennifer.Lightfoot@vdot.virginia.gov

General Contact Info

For incidents or concerns regarding illicit discharges to or from VDOT's MS4, please submit information to

IDDEReports@vdot.virginia.gov

If your incident requires VDOT's immediate attention, please use the local contacts below or contact the VDOT 24-hour Hotline at 1-800-FOR-ROAD (1-800-367-7623).

Local Contact Info

Jennifer Dail – Hampton Roads NPDES Coordinator
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Jennifer.Dail@vdot.virginia.gov

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Andy Winch - Regional Hazardous Materials Manager
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VDOT

Appendix 12

REGIONAL WATER QUALITY MONITORING PROGRAM
ANNUAL REPORT

FISCAL YEAR 2018-2019

This effort was included in the HRPDC Work Program for FY 2018-2019, approved by the Commission at its Executive Committee Meeting on May 17, 2018

Prepared by the staff of the
Hampton Roads Planning District Commission
in cooperation with the
Regional Stormwater Workgroup

September 2019

REPORT DOCUMENTATION

TITLE
Regional Water Quality Monitoring Program
Annual Report

REPORT DATE
September 2019

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GRANT/SPONSORING AGENCY
LOCAL FUNDS

ABSTRACT

This document describes activities and findings related to the Regional Water Quality Monitoring Program. The program was developed to better inform scientific models in the Coastal Plain for the purposes of Chesapeake Bay Total Maximum Daily Load (TMDL) compliance. Six Phase I MS4 permittee holders in Hampton Roads participate in this program for permit compliance.

ACKNOWLEDGMENTS

The Hampton Roads Planning District Commission, in cooperation with the Regional Stormwater Workgroup, the US Geological Survey (USGS) and the Hampton Roads Sanitation District (HRSD) prepared this report.

Preparation of this report was included in the HRPDC Unified Planning Work Program for FY 2018-2019, approved by the Commission at its Executive Committee Meeting of May 17, 2018.

The seventeen member local governments through the HRPDC Regional Stormwater Management Program provided funding.

September, 2019

Regional Water Quality Monitoring Program Annual Report

Introduction

In order to characterize nutrient and sediment concentrations related to urban stormwater, the six Phase I MS4 localities within Hampton Roads, in partnership with the U.S. Geological Survey (USGS) and the Hampton Roads Sanitation District (HRSD), created a regional stormwater monitoring network. This network is dual-purposed, simultaneously addressing local water quality issues and fulfilling MS4 permit requirements, while providing useful data to support Chesapeake Bay Program modeling efforts. This report was developed to fulfill the requirements stated in the Phase I localities' MS4 permits. The Chesapeake Bay Program's watershed model is responsible for estimating loads of total nitrogen (TN), total phosphorus (TP), and total suspended solids (TSS) throughout the Bay watershed. However, there are no calibration stations within the Coastal Plain, nor stations that reflect urban centers, and therefore no verifiable loading rates of these constituents. Monitoring began with the non-tidal network (NTN), which primarily monitors rural areas. USGS now has multiple sites to inform future versions of the Bay model, representing a range of percent impervious land cover (Fig. 1). In 2018, localities agreed to another five-year commitment of monitoring to obtain a long-term data series. 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 model.

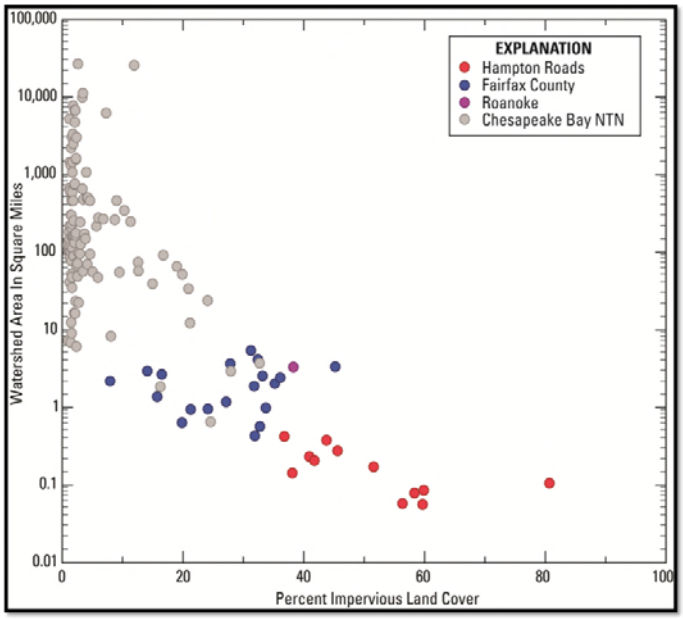

Figure 1. Representation of USGS monitoring stations within the Chesapeake Bay watershed, including the non-tidal network (NTN), based on percent impervious land cover.

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. 2; Table 1). Site selection was also based on the goal of having very few, if any, best management practices (BMPs) upstream of the sampling area. By characterizing the range in loadings that are typical of a given land-use type that do not yet have BMPs implemented, variability can be assessed within land use types, and meaningful comparisons can be made between the three dominant land use types in the region. This should significantly enhance the understanding of how management activities can be directed efficiently in the future.

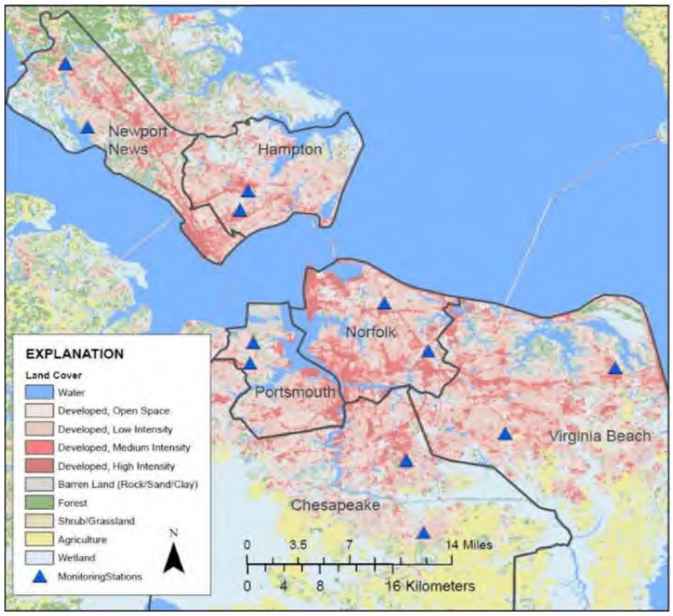

Figure 2. Locations of the 12 water quality monitoring stations, overlaid on land cover, in Hampton Roads, VA.

Table 1. Locality names, station names, and land use types for all localities participating in the monitoring program.

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 for quarterly 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. 3). Continuous flow is measured at 5 minute intervals and flow meters are connected to the data logger and satellite telemetry system to provide data in near real time. Instruments are operated in accordance to manufacturer guidance, and USGS guidance (see http://water.usgs.gov/osw/pubs.html). Continuous water quality monitors measure water temperature, specific conductance, and turbidity and are operated in accordance to standard protocol (Wagner et al. 2006).

Figure 3. Ruggedized housing and components present at each stormwater monitoring station.

Discrete sampling for nutrients and sediment are triggered by the datalogger when stormflow conditions exist (as indicated by flow and water quality conditions). Samples are retained in the refrigerated sampler (≤ 6°C) until retrieved by HRSD field staff. Samples are retrieved within 24 hours of collection, transported in coolers (≤ 6°C), and delivered to the laboratory for preservation and analysis. The analytes measured have defined laboratory methods within 40 CFR Part 136 and TN is calculated as the sum of TKN and nitrate + nitrite. Detailed standard operating procedures for nutrient and sediment analysis are maintained at HRSD's CEL and are available upon request.

All data collected for this monitoring program, including continuous time series data and discrete sample data, is retained in the USGS National Water Information System (NWIS) and made publicly available online via NWISweb (http://waterdata.usgs.gov/HRStormwater).

Continuous data from the flow meter and water quality monitors are transmitted via GOES satellite hourly and uploaded directly into NWIS via automated processes. These data are made publicly available on NWISweb within minutes of the hourly transmission. Discrete sample data is entered into the Laboratory Information Management System (LIMS) at HRSD. These data are electronically transferred monthly to USGS for entry into NWIS, at which time they are publicly accessible via NWISweb.

Results

Monitoring station installation began in April 2015 with all stations on-line and collecting data by December 2016. Between July 1, 2018 and June 30, 2019, over 380 event-triggered samples were collected for nutrients, over 1,000 discrete sampling events were logged, inclusive of baseline and event-triggered sampling, and thousands of continuous monitoring data points have been collected and evaluated. In addition, meteorological data was collected from the Norfolk International Airport. Even though rain totals were high along the mid-Atlantic region, 2018 was considered normal for the Hampton Roads region (Fig. 4).

As observed in the previous year's analysis, the greatest amount of stormflow is associated with stations that have the greatest amount of impervious surface within the watershed (Fig. 5). Commercial sites had the greatest amount

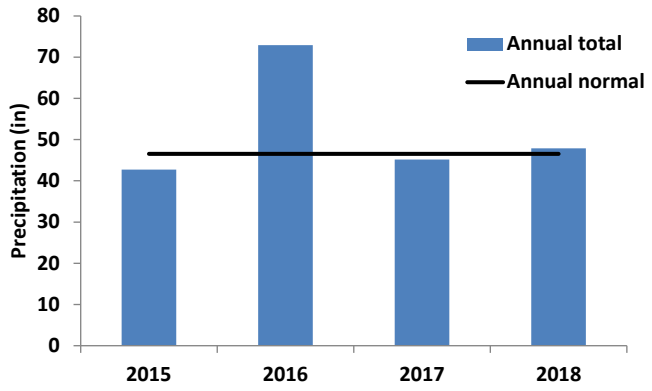

Figure 4. Total annual precipitation from Norfolk International Airport (NOAA; blue bars) and the annual normal (solid line).

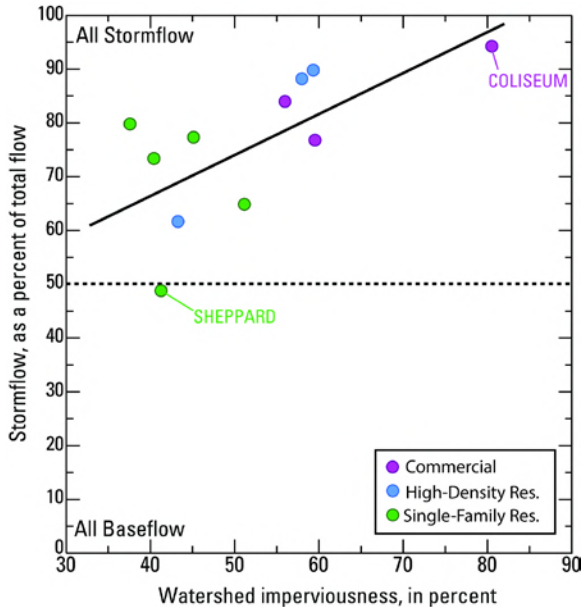

Figure 5. Average stormflow (as a % of total flow) over the duration of the monitoring program versus % watershed imperviousness for each station, grouped by land use.

of impervious surface compared to other land use types with turf grass and tree cover. In addition to stormflow data, continuous base flow data is also gathered and has allowed for a better understanding of the influence of groundwater. 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. In the Hampton Roads network, groundwater accounts for 5-55% of total flow.

Continuing with trends found in previous years, even though commercial sites generated more streamflow per acre, TN concentrations were greater in the single-family and high density residential land use compared to commercial land use (Fig. 6). However, normalized annual TN yields (lbs/acre) were slightly higher on commercial landscapes but not significantly different between land use types on average (Fig.7). TN composition shifted slightly with land use type, similar to last year's findings. Organic N made up the bulk of TN in all sites and was greatest in the commercial sites (Fig. 8). Inorganic N (mainly nitrate plus nitrite) comprised almost half of the TN pool in the residential sites (Fig. 8).

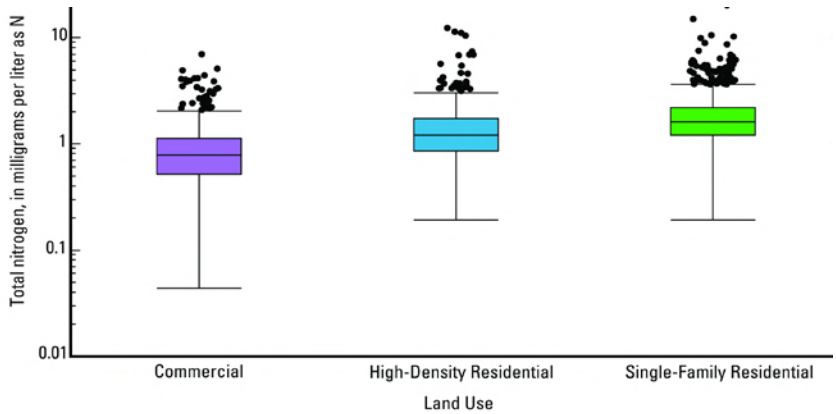

Figure 6. Box and whisker plots of TN concentrations for the three land use types. Outliers (black dots) denote concentrations outside error bars from higher discharge events.

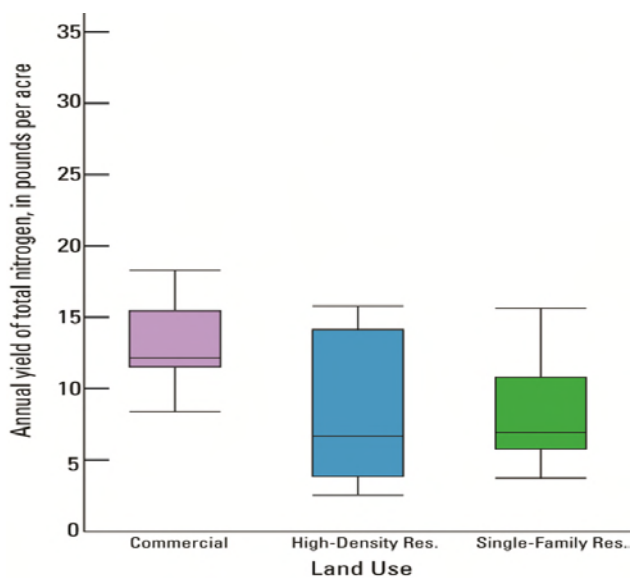

Figure 7. Box and whisker plots of TN yield (lbs/acres) for the three land use types.

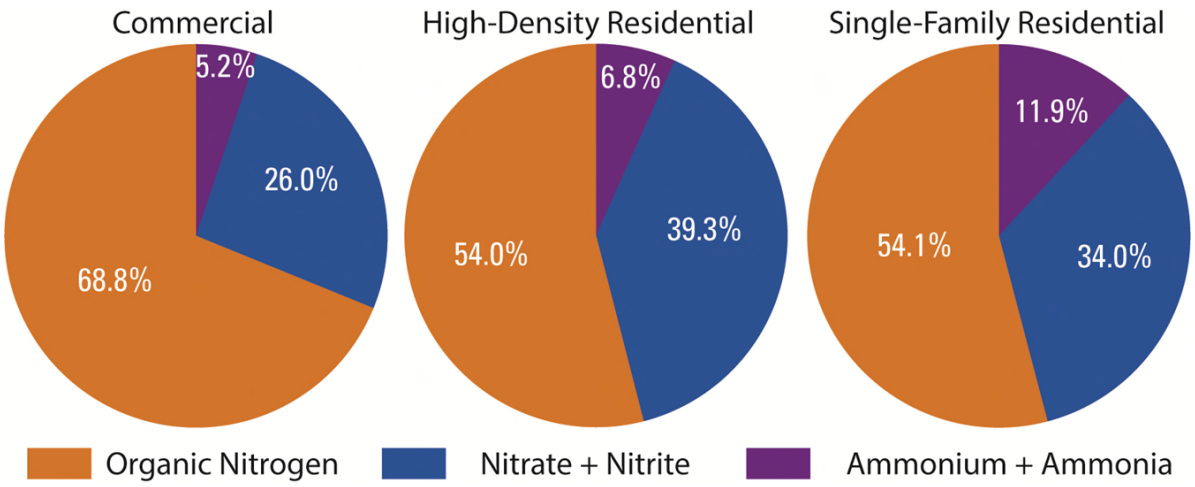

Figure 8. Percent composition of organic nitrogen, nitrate + nitrite, and ammonium + ammonia for each land use type.

Comparisons were made to look at the composition of nitrogen in baseflow (dry weather conditions) versus stormflow (wet weather conditions). While TN did not vary by hydrologic condition, inorganic N comprised the bulk of the TN pool in dry weather and organic N comprised the bulk of the TN pool in stormflow (Fig. 9). Nitrate yields were greater during baseflow conditions in residential sites and during stormflow conditions in commercial sites (Fig. 10A). Organic N yields were greater during stormflow conditions in all land use types (Fig. 10B).

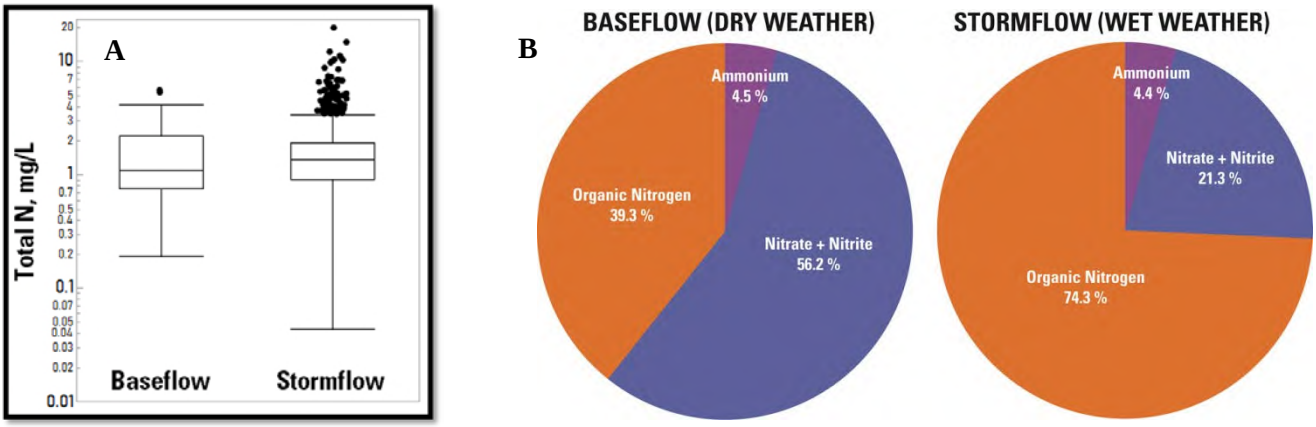

Figure 9. Total N load in baseflow and stormflow conditions (A). Percent composition of organic nitrogen, nitrate + nitrite, and ammonium during baseflow and stormflow conditions (B).

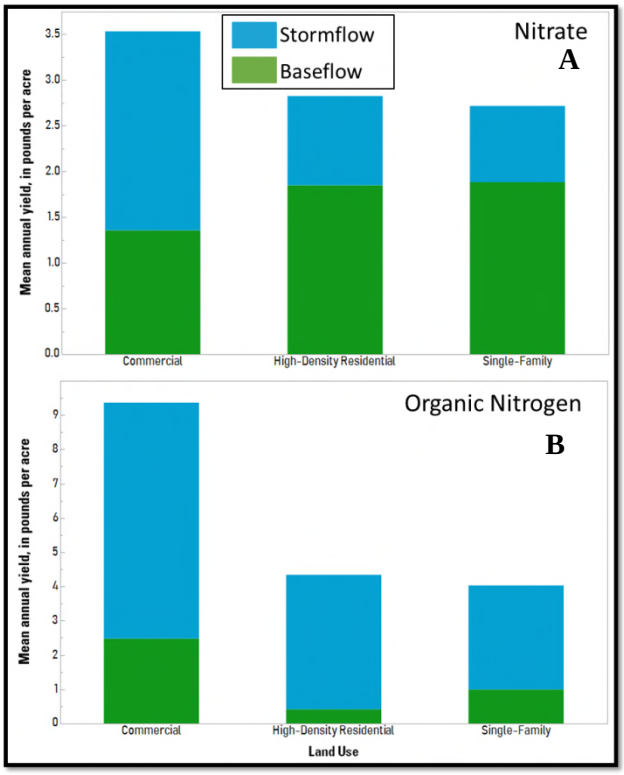

Figure 10. Mean annual yield (lbs/acre) for nitrate (A) and organic N (B) during stormflow (blue bars) and baseflow (green bars) according to land use type.

Annual TP and TSS yields were slightly greater in commercial land use types (Fig. 11); similar to trends of annual TN yields. TP was greatest in stormflow samples across land use types (Fig. 12). And similar to TN speciation, the majority of the phosphorus pool was made up

of organic or particulate P, with the composition shifting slightly based on land use type (Fig. 13). Commercial land use TP was comprised mostly of particulate and dissolved organic P while the single-family residential land use was almost evenly divided among the species.

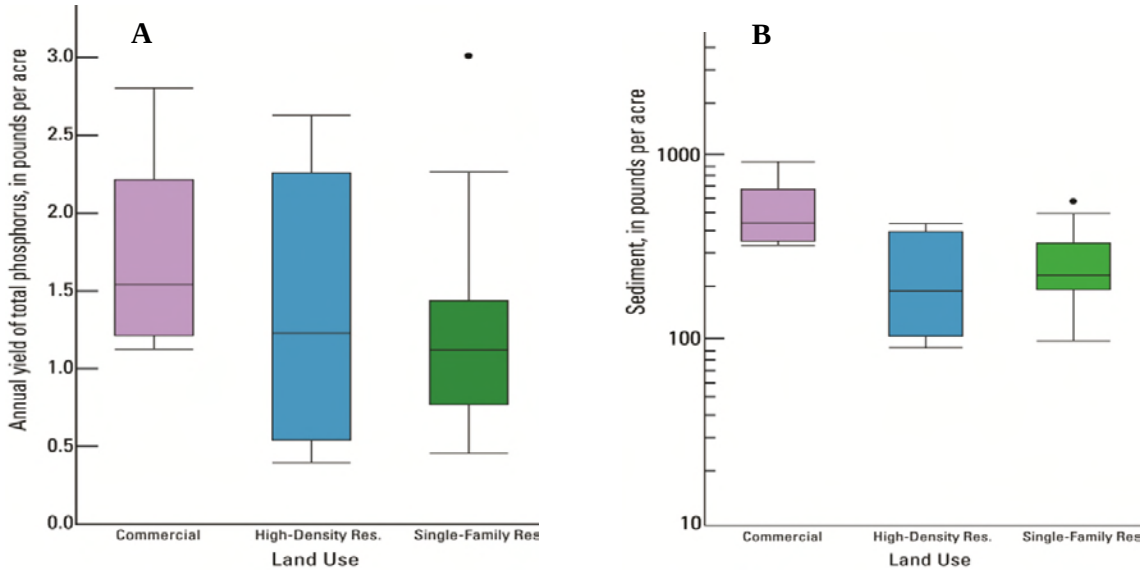

Figure 11. Mean annual yield (lbs/acre) for TP (A) and TSS (B) according to land use type.

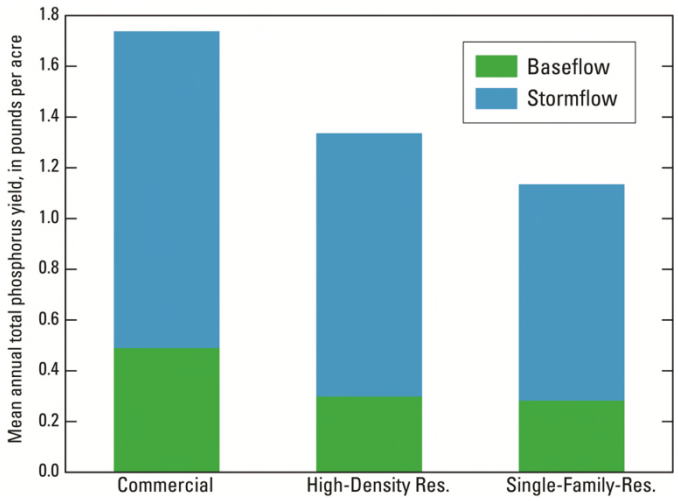

Figure 12. Mean annual yield (lbs/acre) for TP in stormflow (blue bars) and baseflow (green bars) condition according to land use type.

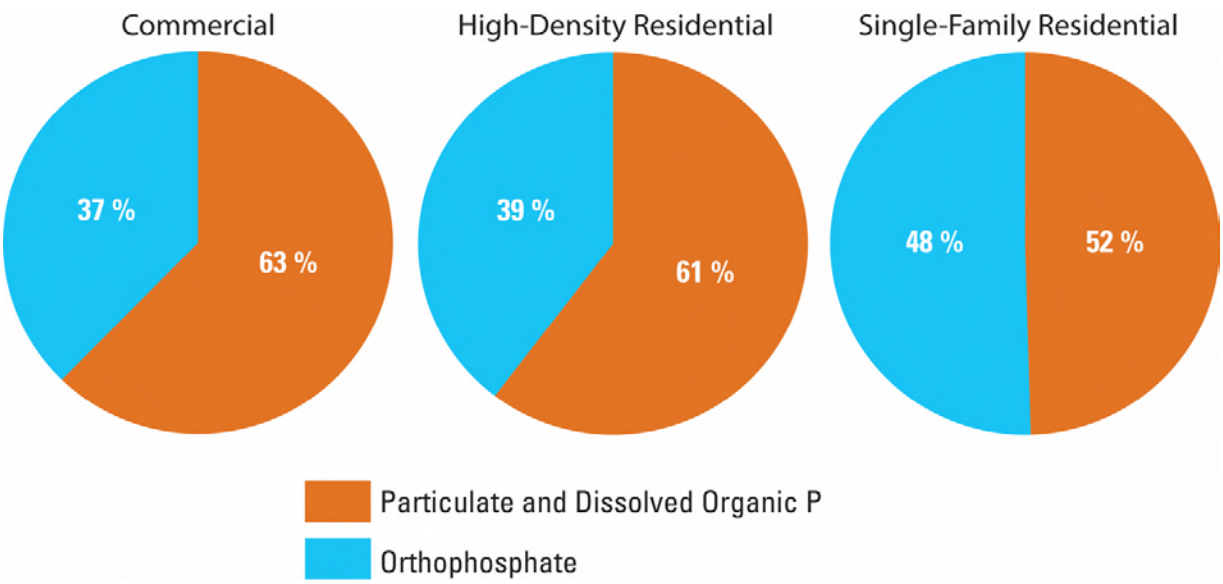

Figure 13. Percent composition as a total of TP for particulate and dissolved organic P and orthophosphate according to land use type.

Discussion

The Regional Water Quality Monitoring Program has almost four years of data collected and each year of analysis confirms findings from the previous year while also prompting new questions. Annual discharges as well as nutrient concentration variability among land use types is still evident. Generally, 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 may be due to runoff volume rather than the concentration of inputs. It is likely that high inorganic N found at residential sites is simply getting diluted during stormflow events.

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. Other monitoring programs run by USGS capture the baseflow of natural streams. Runoff or stormflow is mostly comprised of organic N and storms can account for nearly 50% of the total annual flow in the monitoring system. Organic N also makes up the bulk of the TN pool in the high yield commercial sites, likely because more groundwater containing nitrate is present in residential sites compared to the

commercial sites. Therefore, 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). 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. Once bioavailability is determined, managing for organic N on commercial sites for stormflow versus inorganic N on residential sites could be a valuable strategy. Available BMPs do not have load reduction estimates for specific forms of nitrogen, they only account for TN 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.

Like TN, TP loads are generated at higher yields from commercial sites and are also being transported during storm events compared to the baseflow. Also like TN, with less imperviousness there is less particulate and dissolved organic P. Inorganic P can come from a variety of sources, like fertilizer, mineralization of organic materials, and desorption from soil particles. 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 better the sources of organic P, whether or not it is tied to particles or dissolved, and its bioavailability in relation to TN would be helpful to understand for management purposes. Conversely, TSS did not vary from site to site. In comparison to other monitoring programs across the state conducted by the USGS, TSS concentrations are much lower in the Coastal Plain.

This monitoring program is allowing us to see a more holistic picture of baseflow and runoff for the region and the importance of TN versus TP across different land uses. Through continued monitoring and research, we 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 of time to establish demonstrable loading rates in the Coastal Plain. This will provide valuable data to a future version of the Chesapeake Bay watershed model (Phase 7) and contribute to current calibrations of the Phase 6 model. Over the course of the next few years, localities will continue to collaborate with USGS and HRSD to collect data and evaluate loading rates over the long term.

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Appendix 13

Whitman, Requardt & Associates, LLP
Engineers · Architects · Environmental Planners Est. 1915

MEMORANDUM

Date: September 9, 2019

To: Norfolk Department of Public Works
Environmental Stormwater Management
2233 McKann Avenue
Norfolk, VA 23509

From: Whitman, Requardt & Associates, LLP

Subject: Year 2 Street Sweeping Sample Data Summary

Work Order Number: 19515.003

Contract Number: 27566

Project: Norfolk WO.3 Street Sweeping Sampling – Year 2 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 first two years of the sampling program for inclusion in the City's Annual Report to the Virginia**.** WRA has compiled and summarized the data collected and reported to date for the period starting in Q3 2017.

As this is a multi-year, multi-site sampling program, there is limited data to provide a thorough evaluation regarding trends or to provide rigorous data reduction at this time. Summary tables of the data reported to date are attached. These tables summarize the reported data regarding both sweeper waste and street dirt samples for concentrations of Total Phosphorus (TP) and Total Nitrogen (TN) by soil grain size fraction. Also provided is a table summarizing the sieve results of collected samples into fine-, medium-, and coarse-grained soil fractions.

A brief summary of the findings to date is presented below.

STREET DIRT SIZE CHARACTERIZATION

All native samples collected in the field, both sweeper waste samples and street dirt samples, were subjected to geotechnical sieve analysis for fractionation into three grain size ranges prior to chemical analysis. A summary of the results is provided in each representative summary table of analytical laboratory results.

Table 1 summarizes the nature of street dirt both before and after sweeping operations. For four (4) of the six (6) sweeping zones sampled to date (i.e., Site 1 – Zones N-2 and N-5, Site 2 – Zone E-3, Site 3 – Zone S-2/S-3) a consistent pattern of street dirt removal is apparent. In these four (4) locations, the primary fraction of street dirt removed appears to be independent of the sweeping equipment used. In other words, for Zone N-2, the medium-grained fraction is the primary fraction removed using both broom and vacuum sweepers. Street dirt removal in these zones appears to be associated more with site characteristics. No consistent pattern can be discerned for Site 3 – Zone S-9 or Site 4 – Zone S-1.

It is noteworthy that the fine-grained soil fraction of most street dirt samples is fairly low as a percent of the total sample weight. This could represent the effects of even mild rainfall events generating sufficient energy to mobilize these very small particles from the street between sweeping operations.

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Table 1. Size Characterization of Street Dirt Samples

Site No.	Sweeping Zone	Sweeping Equipment	Sample collected before or after sweeping	Sample ID	Percent of Sample		
					Fine	Medium	Coarse
1	N-2	Broom	Before sweeping	17-Q4-N2-B-SD-B	9.8	86.1	4.1
			After sweeping	17-Q4-N2-B-SD-A	15.4	71.6	13
		Vacuum	Before sweeping	17-Q4-N2-V-SD-B	23.3	55.2	21.5
			After sweeping	17-Q4-N2-V-SD-A	26.9	48.3	24.8
	N-5	Broom	Before sweeping	18-Q2-N5-B-SD-B	12	80	8
			After sweeping	18-Q2-N5-B-SD-A	4.5	87.5	8
		Vacuum	Before sweeping	18-Q2-N5-V-SD-B	13.6	84.7	1.7
			After sweeping	18-Q2-N5-V-SD-A	0	88.1	11.9
2	E-3	Broom	Before sweeping	18-Q1-E3-B-SD-B	15	81.3	3.7
			After sweeping	18-Q1-E3-B-SD-A	20.3	79.5	0.2
		Vacuum	Before sweeping	18-Q1-E3-V-SD-B	15.3	73.3	11.4
			After sweeping	18-Q1-E3-V-SD-A	32.2	67.1	0.7
3	S-2/S-3	Broom	Before sweeping	18-Q4-S23-B-SD-B	22.2	73.9	3.9
			After sweeping	18-Q4-S23-B-SD-A	4.2	91.7	4.1
		Vacuum	Before sweeping	18-Q4-S23-V-SD-B	21.7	73.6	4.7
			After sweeping	18-Q4-S23-V-SD-A	16.8	74.6	8.6
	S-9	Broom	Before sweeping	18-Q3-S9-B-SD-B	7.3	87.3	5.4
			After sweeping	18-Q3-S9-B-SD-A	9.3	87.2	3.5
		Vacuum	Before sweeping	18-Q3-S9-V-SD-B	4.9	90.4	4.7
			After sweeping	18-Q3-S9-V-SD-A	0.3	94.5	5.2
4	S-1	Broom	Before sweeping	19-Q2-S1-B-SD-B	6	87.5	6.5
			After sweeping	19-Q2-S1-B-SD-A	6.6	84.5	8.9
		Vacuum	Before sweeping	19-Q2-S1-V-SD-B	11.5	82.7	5.8
			After sweeping	19-Q2-S1-V-SD-A	7	88.2	4.8

TOTAL PHOSPHORUS (TP)

Monitoring to Meet Objective 1:

Objective 1 of the monitoring plan is to collect data from both regenerative air vacuum sweepers and mechanical broom sweepers to permit comparisons between sweepers and against previous expert panel findings. Sweeper waste samples have been collected at all five sampling sites. More than thirty (30) sweeper waste sample have been collected to date. Across all five sites and for both sweeper types, the medium grained soil fraction (passing the #18 sieve, retained on the #200 sieve) is the predominant grain-size fraction present in the samples. A summary of total phosphorus (TP) concentrations present in sweeper waste samples is provided in ***Table 2.***

Generally, the fraction of fine-grained soils (passing the #200 sieve) is less in the sweeper waste samples than in the street dirt samples. This illustrates the difficulty in obtaining representative composite samples of sweeper waste across the spectrum of grain size distributions, i.e., it is likely that the fines are present in the sweeper hopper, but they are difficult to obtain. Sweepers are washed daily following operations and experience has shown that a great deal of the material being washed out appears fine-grained in nature.

Table 2 illustrates that in the absence of fine-grained material in the sample, the coarse-grained soil fraction (passing the #4 sieve, retained on the #18 sieve) from both vacuum and broom sweeper wastes have concentrations in excess of the medium-grained soil fraction in nearly every instance There were only three sweeper waste samples with sufficient volume to permit analysis of TP in fine-grained soils (passing the #200 sieve). These samples are all from Site 1 and represent both broom and vacuum sweeper waste samples. The TP concentrations in these samples range between 800 and 31,200 mg/kg. While these concentrations are generally well above those present in medium- and coarse-grained sample fractions, they have little impact on the weighted sample concentration as they typically represent a relatively small portion of the overall sample weight.

Monitoring to Meet Objectives 2 and 3:

Objective 2 of the monitoring plan is to collect data to enable assessment of the efficiency of operational practices by performing multiple passes with a sweeper. Objective 3 of the monitoring plan is to collect data to assess material on the street prior to sweeping and material remaining on the street following sweeping operations. Both these objectives are accomplished by collecting street dirt samples. Street dirt samples are presently available for sampling Sites 1, 2, 3 and 4. These samples were collected by vacuuming the streets with a HEPA vacuum both prior to and following sweeping by either broom or vacuum sweepers as applicable. A summary of total phosphorus (TP) concentrations present in street dirt samples is provided in ***Table 3.***

Across all sites and for both sweeper types, the fine-grained soils exhibited the highest TP concentration in 15 of 19 samples when all three soil fractions were present. In the absence of fine-grained soils, the maximum concentration was split with equal frequency between medium- and coarse-grained soils. As with the sweeper waste samples, while the concentrations in the fine-grained soils were generally above those present in medium- and coarse-grained sample fractions, they have little impact on the weighted sample concentration as they again represent a relatively small portion of the overall sample weight.

Table 2. Sweeper Waste Total Phosphorous (TP) Concentrations

Site No.	Sweeping Zone	Sweeping Equipment	Sample ID	TP Concentration (mg/kg)			Percent of Sample			Weighted Conc. (mg/kg)
				Fine	Medium	Coarse	Fine	Medium	Coarse	
1	N-2	Broom	17-Q4-N2-B-SW	800	313	705	27.1	52.5	20.4	525
	N-3		18-Q1-N3-B-SW		100	100	7.5	61.5	31	100
	N-5		18-Q2-N5-B-SW		336	541	6.3	33.1	60.6	469
	N-6		18-Q3-N6-B-SW		148	386	5.2	72.8	22	203
	S-4		18-Q4-S4-B-SW		215	575	2.2	58.9	38.9	358
	W-2		19-Q1-W2-B-SW-1P		132	254	6.4	36.5	57.1	206
	W-2		19-Q1-W2-B-SW-2P		321	328	6.2	23.8	70	326
	W-3		19-Q2-W3-B-SW		387	448	2.4	59.6	38	411
	N-2	Vacuum	17-Q4-N2-V-SW	859	244	526	8.5	69.4	22.1	359
	N-5		18-Q2-N5-V-SW	31,200	354	544	1.5	90	8.5	833
2	E-1	Broom	18-Q4-E1-B-SW		318	401	3.1	49.5	47.4	359
	E-1		17-Q3-E1-B-SW		361	647	0.1	91.7	8.2	384
	E-2		19-Q1-E2-B-SW		16	313	4	39.1	56.9	192
	E-2		17-Q4-E2-B-SW		200		4.6	93.2	2.2	200
	E-3		18-Q1-E3-B-SW		300	700	2.1	24	73.9	602
	E-3		19-Q2-E3-B-SW		372	1,090	0.6	60.6	38.8	652
	S-5		18-Q2-S5-B-SW		244	220	4.7	36.7	58.6	229
	W-1		18-Q3-W1-B-SW-1P		236	429	11.8	74.8	13.4	265
	W-1		18-Q3-W1-B-SW-2P		378	416	8.9	82.4	8.7	382
	E-3	Vacuum	18-Q1-E3-V-SW		200	200	13.6	29	57.4	200
3	S-2/S-3	Broom	18-Q4-S23-B-SW		380	436	5.4	69.9	24.7	395
	S-6		19-Q1-S6-B-SW		93	441	4.2	25.8	70	347
	S-6		17-Q4-S6-B-SW		200		6.9	92.1	1	200
	S-7		18-Q1-S7-B-SW		200	200	9.6	77	13.4	200
	S-7		19-Q2-S7-B-SW		291	470	3	43.5	53.5	390
	S-8		18-Q2-S8-B-SW		180	191	5.7	41.6	52.7	186
	S-9		18-Q3-S9-B-SW		234	378	4.8	67.5	27.7	276
	S-2/S-3	Vacuum	18-Q4-S23-V-SW		481	457	1.1	68.8	30.1	474
	S-9	Vacuum	18-Q3-S9-V-SW		359	361	0.4	82.5	17.1	359
4	S-1	Broom	18-Q4-S1-B-SW-2P		258	227	0.6	44.3	55.1	241
	S-1		17-Q3-S1-B-SW		300	300	0.1	91.7	8.2	300
	S-1		18-Q4-S1-B-SW-1P		395	386	0.8	47.5	51.7	390
	S-1		19-Q2-S1-B-SW		613	702	2.2	65.8	32	642
	S-1	Vacuum	19-Q2-S1-V-SW		487	1,330	1.5	46.4	52.1	933
5	S-DTN	Vacuum	17-Q4-SDTN-V-SW		200		13.7	83.5	2.8	200
	S-DTN		19-Q1-SDTN-V-SW		247	519	3.7	51.1	45.2	375

Table 3. Street Dirt Total Phosphorous (TP) Concentrations

Site No.	Sweeping Zone	Sweeping Equipment	Sample collected before or after sweeping	Sample ID	TP Concentration (mg/kg)			Percent of Sample			Weighted Conc. (mg/kg)
					Fine	Medium	Coarse	Fine	Medium	Coarse	
1	N-2	Broom	Before	17-Q4-N2-B-SD-B	1,200	468	728	9.8	86.1	4.1	550
			After	17-Q4-N2-B-SD-A		504	523	15.4	71.6	13.0	507
		Vacuum	Before	17-Q4-N2-V-SD-B	492		745	23.3	55.2	21.5	613
			After	17-Q4-N2-V-SD-A	527		603	26.9	48.3	24.8	563
	N-5	Broom	Before	18-Q2-N5-B-SD-B	974	838	2,820	12.0	80.0	8.0	1,013
			After	18-Q2-N5-B-SD-A	1,230	354	214	4.5	87.5	8.0	382
		Vacuum	Before	18-Q2-N5-V-SD-B	687	329	289	13.6	84.7	1.7	377
			After	18-Q2-N5-V-SD-A	446	229	104	0.0	88.1	11.9	214
2	E-3	Broom	Before	18-Q1-E3-B-SD-B	600	400	700	15.0	81.3	3.7	441
			After	18-Q1-E3-B-SD-A		300		20.3	79.5	0.2	300
		Vacuum	Before	18-Q1-E3-V-SD-B	700	300	400	15.3	73.3	11.4	373
			After	18-Q1-E3-V-SD-A	600	300	300	32.2	67.1	0.7	397
3	S-2/S-3	Broom	Before	18-Q4-S23-B-SD-B	834	288	261	22.2	73.9	3.9	408
			After	18-Q4-S23-B-SD-A	723	210	418	4.2	91.7	4.1	240
		Vacuum	Before	18-Q4-S23-V-SD-B	1,180	290	1,100	21.7	73.6	4.7	521
			After	18-Q4-S23-V-SD-A	1,100	690	596	16.8	74.6	8.6	751
	S-9	Broom	Before	18-Q3-S9-B-SD-B	877	761	232	7.3	87.3	5.4	741
			After	18-Q3-S9-B-SD-A	848	937	374	9.3	87.2	3.5	909
		Vacuum	Before	18-Q3-S9-V-SD-B	549	413	528	4.9	90.4	4.7	425
			After	18-Q3-S9-V-SD-A		450	310	0.3	94.5	5.2	443
4	S-1	Broom	Before	19-Q2-S1-B-SD-B	180	427	272	6.0	87.5	6.5	402
			After	19-Q2-S1-B-SD-A	1,550	678	1,280	6.6	84.5	8.9	789
		Vacuum	Before	19-Q2-S1-V-SD-B	1,720	1,320	823	11.5	82.7	5.8	1,337
			After	19-Q2-S1-V-SD-A	4,550	769	814	7.0	88.2	4.8	1,036

TOTAL NITROGEN (TN)

Total Nitrogen (TN) is the sum of Total Kjehldahl Nitrogen (TKN) and Nitrate/Nitrite. TN concentrations for the sampling effort are summarized in ***Table 4*** and ***Table 5*** for sweeper waste and street dirt samples, respectively.

Monitoring to Meet Objective 1:

Sweeper waste samples have been obtained at all five sampling sites. Again, more than thirty (30) sweeper waste sample have been collected to date across all five sites for both sweeper types with the medium grained soil fraction (passing the #18 sieve, retained on the #200 sieve) being the predominant grain-size fraction present in the samples.

Table 4 illustrates that in the absence of fine-grained material in the sample, the coarse-grained soil fraction (passing the #4 sieve, retained on the #18 sieve) from both vacuum and broom sweeper wastes have concentrations in excess of the medium-grained soil fraction in nearly every instance There were only three sweeper waste samples with

sufficient volume to permit analysis of TN in fine-grained soils (passing the #200 sieve). These samples are all from Site 1 and represent both broom and vacuum sweeper waste samples. The TN concentrations in these samples range between 3,670 and 118,165 mg/kg. Again, while these concentrations are generally well above those present in medium- and coarse-grained sample fractions, they have little impact on the weighted sample concentration as they typically represent a relatively small portion of the overall sample weight. In the absence of fine-grained material, the TN concentration in the coarse-grained fraction exceeds that of the medium-grained fraction in nearly every instance.

Monitoring to Meet Objectives 2 and 3:

Street dirt samples are available for sampling Sites 1, 2, 3 and 4 at the present time and limited data are available for each sweeper type. A summary of total phosphorus (TP) concentrations present in street dirt samples is provided in ***Table 5***.

Across all sites and for both sweeper types, the coarse-grained soils exhibited the highest TN concentration in 9 of 17 samples when all three soil fractions were present. In the absence of fine-grained soils, the coarse-fraction exhibited higher TN concentrations in both samples having a medium-grained fraction. Similarly, the coarse-fraction exhibited higher TN concentrations in both samples having a fine-grained fraction in the absence of a medium-grained fraction. Based on the available data, it appears that unlike TP, TN concentrations (and hence removal) are generally influenced by the coarse-grained soil fraction.

DISCUSSION AND FUTURE EFFORTS

The City has learned a great deal during the first two years of street sweeping sampling and continues to modify and improve sampling and analysis activities. Based on early performance issues, a change in analytical laboratories has been made and performance has stabilized. Composite sweeper waste sampling poses unique challenges and the City will continue to adapt its efforts to collect representative composite samples. For example, while the City has previously furnished approximately one-gallon samples to the laboratories for analysis, it adjusted operations to collect two-gallon samples to improve the likelihood of providing sufficient sample volume for all required geotechnical and analytical laboratory analyses.

Table 4. Sweeper Waste Total Nitrogen (TN) Concentrations

Site No.	Sweeping Zone	Sweeping Equipment	Sample ID	TN Concentration (mg/kg)			Percent of Sample			Weighted Conc. (mg/kg)
				Fine	Medium	Coarse	Fine	Medium	Coarse	
1	N-2	Broom	17-Q4-N2-B-SW	3,670	1,850	2,860	27.1	52.5	20.4	2,549
	N-3		18-Q1-N3-B-SW		1,090	1,940	7.5	61.5	31	1,375
	N-5		18-Q2-N5-B-SW		2,495	2,830	6.3	33.1	60.6	2,712
	N-6		18-Q3-N6-B-SW		776	3,240	5.2	72.8	22	1,348
	S-4		18-Q4-S4-B-SW		3,020	3,070	2.2	58.9	38.9	3,040
	W-2		19-Q1-W2-B-SW-1P		1,910	1,710	6.4	36.5	57.1	1,788
	W-2		19-Q1-W2-B-SW-2P		2,630	2,810	6.2	23.8	70	2,764
	W-3		19-Q2-W3-B-SW		976	2,660	2.4	59.6	38	1,632
	N-2	Vacuum	17-Q4-N2-V-SW	4,200	3,190	1,100	8.5	69.4	22.1	2,814
	N-5		18-Q2-N5-V-SW	118,165	3,377	2,820	1.5	90	8.5	5,051
2	E-1	Broom	17-Q3-E1-B-SW		2,390	5,310	0.1	91.7	8.2	2,630
	E-1		18-Q4-E1-B-SW		3,400	4,110	3.1	49.5	47.4	3,747
	E-2		17-Q4-E2-B-SW		861		4.6	93.2	2.2	861
	E-2		19-Q1-E2-B-SW		2,240	1,440	4	39.1	56.9	1,766
	E-3		19-Q2-E3-B-SW		2,350	10,400	0.6	60.6	38.8	5,492
	E-3		18-Q1-E3-B-SW		3,290	5,502	2.1	24	73.9	4,960
	S-5		18-Q2-S5-B-SW		1,350	2,060	4.7	36.7	58.6	1,787
	W-1		18-Q3-W1-B-SW-1P		2,820	3,790	11.8	74.8	13.4	2,967
	W-1		18-Q3-W1-B-SW-2P		3,310	4,750	8.9	82.4	8.7	3,448
	E-3	Vacuum	18-Q1-E3-V-SW		1,513	1,853	13.6	29	57.4	1,739
3	S-2/S-3	Broom	18-Q4-S23-B-SW		1,710	801	5.4	69.9	24.7	1,473
	S-6		17-Q4-S6-B-SW		971		6.9	92.1	1	971
	S-6		19-Q1-S6-B-SW		3,940	4,610	4.2	25.8	70	4,430
	S-7		18-Q1-S7-B-SW		1,170	1,570	9.6	77	13.4	1,229
	S-7		19-Q2-S7-B-SW		1,610	4,040	3	43.5	53.5	2,950
	S-8		18-Q2-S8-B-SW		736	1,200	5.7	41.6	52.7	995
	S-9		18-Q3-S9-B-SW		1,280	3,770	4.8	67.5	27.7	2,005
	S-2/S-3	Vacuum	18-Q4-S23-V-SW		5,921	6,820	1.1	68.8	30.1	6,194
	S-9		18-Q3-S9-V-SW		2,890	4,500	0.4	82.5	17.1	3,166
4	S-1	Broom	17-Q3-S1-B-SW		1,311	2,021	0.1	91.7	8.2	1,369
	S-1		18-Q4-S1-B-SW-2P		1,692	8,817	0.6	44.3	55.1	5,642
	S-1		18-Q4-S1-B-SW-1P		3,844	5,900	0.8	47.5	51.7	4,915
	S-1		19-Q2-S1-B-SW		8,451	4,912	2.2	65.8	32	7,293
	S-1	Vacuum	19-Q2-S1-V-SW		4,795	16,500	1.5	46.4	52.1	10,986
5	S-DTN	Vacuum	17-Q4-SDTN-V-SW		691	691	13.7	83.5	2.8	691
	S-DTN		19-Q1-SDTN-V-SW		2,720	4,940	3.7	51.1	45.2	3,762

Table 5. Street Dirt Total Nitrogen (TN) Concentrations

Site No.	Sweeping Zone	Sweeping Equipment	Sample collected before or after sweeping	Sample ID	TN Concentration (mg/kg)			Percent of Sample			Weighted Conc. (mg/kg)
					Fine	Medium	Coarse	Fine	Medium	Coarse	
1	N-2	Broom	Before	17-Q4-N2-B-SD-B		1,710		9.8	86.1	4.1	1,710
			After	17-Q4-N2-B-SD-A		2,691		15.4	71.6	13.0	2,691
		Vacuum	Before	17-Q4-N2-V-SD-B	2,242		4,931	23.3	55.2	21.5	3,532
			After	17-Q4-N2-V-SD-A	2,471		2,999	26.9	48.3	24.8	2,724
	N-5	Broom	Before	18-Q2-N5-B-SD-B	6,324	6,260	21,300	12.0	80.0	8.0	7,471
			After	18-Q2-N5-B-SD-A	4,588	2,540	1,852	4.5	87.5	8.0	2,577
		Vacuum	Before	18-Q2-N5-V-SD-B	3,116	6,980	12,900	13.6	84.7	1.7	6,555
			After	18-Q2-N5-V-SD-A		1,630	2,240	0.0	88.1	11.9	1,703
2	E-3	Broom	Before	18-Q1-E3-B-SD-B	4,780	4,620	8,630	15.0	81.3	3.7	4,792
			After	18-Q1-E3-B-SD-A		2,340		20.3	79.5	0.2	2,340
		Vacuum	Before	18-Q1-E3-V-SD-B	4,370	3,330	4,632	15.3	73.3	11.4	3,638
			After	18-Q1-E3-V-SD-A	4,020	2,580	9,210	32.2	67.1	0.7	3,090
3	S-2/S-3	Broom	Before	18-Q4-S23-B-SD-B	5,173	4,070	3,537	22.2	73.9	3.9	4,294
			After	18-Q4-S23-B-SD-A	2,680	135	5,140	4.2	91.7	4.1	447
		Vacuum	Before	18-Q4-S23-V-SD-B	7,800	6,651	2,974	21.7	73.6	4.7	6,728
			After	18-Q4-S23-V-SD-A	5,162	1,594	4,490	16.8	74.6	8.6	2,442
	S-9	Broom	Before	18-Q3-S9-B-SD-B	3,974	4,326	4,710	7.3	87.3	5.4	4,321
			After	18-Q3-S9-B-SD-A	4,002	6,590	3,550	9.3	87.2	3.5	6,243
		Vacuum	Before	18-Q3-S9-V-SD-B	2,960	2,744	1,570	4.9	90.4	4.7	2,699
			After	18-Q3-S9-V-SD-A		2,491	4,120	0.3	94.5	5.2	2,576
4	S-1	Broom	Before	19-Q2-S1-B-SD-B	599	2,310	1,854	6.0	87.5	6.5	2,178
			After	19-Q2-S1-B-SD-A	6,506	4,897	7,351	6.6	84.5	8.9	5,221
		Vacuum	Before	19-Q2-S1-V-SD-B	8,894	9,600	11,000	11.5	82.7	5.8	9,600
			After	19-Q2-S1-V-SD-A	16,323	5,534	11,804	7.0	88.2	4.8	6,590

Appendix 14

Cumulative Progress Towards Compliance Targets Through June 2019

James River Basin

Description	Pollutant of Concern (POC) (lb/yr)		
	TN	TP	TSS
Required POC Reductions:			
Baseline Requirement	540	144.6	68,195
Additional 15% Requirement	81	21.7	10,229
Total Reduction Requirement	**621**	**166.3**	**78,424**
Reduction Credits:			
BMPs Installed on Unregulated Lands	313	53.6	41,804
BMPs Installed to Meet Redevelopment Requirements	823.4	188.2	115,800
BMPs Installed Prior to July 1, 2009	325	82	46,146
BMPs Retrofitting Prior Developed Lands	980	202.4	171,518
POC Reductions by Street Sweeping	22,283	8,913	2,673,922
Total Reduction Credits	**24,724**	**9,439**	**3,049,190**

Cumulative Progress Towards Compliance Targets Through June 2019

Little Creek Watershed & Chesapeake Bay Beaches

Description	Pollutant of Concern (POC) (lb/yr)		
	TN	TP	TSS
Required POC Reductions:			
Baseline Requirement	129.8	29.4	11,345
Additional 15% Requirement	19.5	4.4	1,702
Total Reduction Requirement	**149.3**	**33.8**	**13,047**
Reduction Credits:			
BMPs Installed on Unregulated Lands	184.8	24.1	7,991
BMPs Installed to Meet Redevelopment Requirements	194.6	26.8	10,576
BMPs Installed Prior to July 1, 2009	1,003	158	54,491
BMPs Retrofitting Prior Developed Lands	156.5	52.4	3,199
POC Reductions by Street Sweeping	4,892	1,957	586,958
Total Reduction Credits	**6,431**	**2,218**	**663,215**

Control Measures Implemented During FY19 Reporting Period

Site ID	SWMF ID	Site Title	Street Number	Street Name	Zip	HUC	Date Online	SWMF Type	Phosphorus Removed (lbs/yr)	Nitrogen Removed (lbs/yr)	Sediment Removed (lbs/yr)	Retrofit Type (if applicable)
11-0074	11-0074.1	Global Friendship House	1241	43RD STREET	23508	JL56	12/28/2018	Detention Basin	0.26	0.14	240.41	
12-0064	12-0064.1	Gethsemane Community Fellowship Baptist Church Bldg Addition	1317	E BRAMBLETON AVENUE	23504	JL54	07/09/2018	Constructed Stormwater Wetland	0.04	0.68	112.50	
15-0001	15-0001.1	Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	23503	CB26	11/02/2018	Infiltration 1	0.03	0.40	22.44	
15-0001	15-0001.2	Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	23503	CB26	11/02/2018	Infiltration 1	0.08	0.91	30.85	
15-0001	15-0001.3	Carlton Homes LLC ROW Improvements	1100	VIRGILINA AVENUE	23503	CB26	11/02/2018	Infiltration 1	0.08	0.96	39.27	
15-0014	15-0014.1	Jeff Robertson Park Stormwater Wetland	1500	ARMISTEAD BRIDGE ROAD	23507	JL56	10/10/2018	Constructed Stormwater Wetland	8.40	13.82	2295.79	New SWM Retrofit
15-0038	15-0038.1	Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	23502	JL54	10/29/2018	Bioretention 1	0.42	4.80	495.67	
15-0038	15-0038.2	Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	23502	JL54	10/29/2018	Bioretention 1	0.49	4.10	589.44	
15-0038	15-0038.3	Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	23502	JL54	10/29/2018	Bioretention 1	0.57	4.77	678.75	
15-0038	15-0038.4	Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	23502	JL54	10/29/2018	Bioretention 1	0.43	3.58	513.53	
15-0038	15-0038.5	Woodlawn Memorial Gardens	6309	E VIRGINIA BEACH BOULEVARD	23502	JL54	10/29/2018	Bioretention 1	0.60	4.98	714.48	
15-0048	15-0048.1	Food Bank Paving Addition	800	TIDEWATER DRIVE	23504	JL54	07/19/2018	Bioretention 1	0.15	0.65	66.98	
15-0048	15-0048.2	Food Bank Paving Addition	800	TIDEWATER DRIVE	23504	JL54	07/19/2018	Detention Basin	0.22	0.73	120.83	
16-0037	16-0037.1	14th Bay Street Residential	9547 9553	14th Bay Street	23503	CB26	04/22/2019	Bioretention Urban	0.14	1.19	0.94	
16-0037	16-0037.2	14th Bay Street Residential	9547 9553	14th Bay Street	23503	CB26	04/22/2019	Bioretention Basins	0.03	0.21	0.21	
16-0037	16-0037.3	14th Bay Street Residential	9547 9553	14th Bay Street	23503	CB26	04/22/2019	Bioretention Urban	0.03	0.21	0.21	
16-0037	16-0037.3	14th Bay Street Residential	9547 9553	14th Bay Street	23503	CB26	04/22/2019	Bioretention Urban	0.03	0.21	0.21	
16-0037	16-0037.4	14th Bay Street Residential	9547 9553	14th Bay Street	23503	CB26	04/22/2019	Bioretention Urban	0.03	0.21	0.21	
16-0052	16-0052.1	Arts Apartments	123	W VIRGINIA BEACH BOULEVARD	23510	JL56	04/15/2019	Detention Basin	0.16	0.51	83.96	
16-0065	16-0065.1	Harbor Park Picnic Area	150	PARK AVENUE	23510	JL54	02/14/2019	Manufactured BMP Systems	0.35	0.75	125.00	
16-0075	16-0075.1	Dune Street Stormwater Wetland	420	DUNE STREET	23503	JL57	6/1/2019	Constructed Stormwater Wetland	6.40	23.40	5628.00	New SWM Retrofit
16-0093	16-0093.1	Beach Avenue Living Shoreline	3836	BEACH AVENUE	23504	JL56	8/17/2018	Other SWMF- Shoreline Management	4.50	74.40	15115.50	Shoreline Restoration
16-0094	16-0094.1	ODU Barry Art Museum	1075	43RD STREET	23510	JL56	08/15/2018	Bioretention 1	0.20	1.64	89.31	
16-0094	16-0094.2	ODU Barry Art Museum	1075	43RD STREET	23510	JL56	08/15/2018	Wet Pond 1	0.35	1.11	183.33	
16-0097	16-0097.1	1855 Kingston Ave. Duplex	1855	KINGSTON AVENUE	23503	CB26	06/07/2019	Infiltration 2	0.12	0.94	33.66	
16-0097	16-0097.2	1855 Kingston Ave. Duplex	1855	KINGSTON AVENUE	23503	CB26	06/07/2019	Infiltration 1	0.02	0.14	14.02	
16-0098	16-0098.1	St. Paul's Apartments	494	SAINT PAULS BOULEVARD	23510	JL56	04/02/2019	Permeable Pavement 1	0.04	0.26	26.79	
16-0098	16-0098.2	St. Paul's Apartments	494	SAINT PAULS BOULEVARD	23510	JL56	04/02/2019	Permeable Pavement 1	0.04	0.22	22.33	
16-0098	16-0098.3	St. Paul's Apartments	494	SAINT PAULS BOULEVARD	23510	JL56	04/02/2019	Infiltration 1	1.96	8.60	888.63	
16-0098	16-0098.4	St. Paul's Apartments	494	SAINT PAULS BOULEVARD	23510	JL56	04/02/2019	Infiltration 1	1.12	4.93	509.06	
16-0098	16-0098.5	St. Paul's Apartments	494	SAINT PAULS BOULEVARD	23510	JL56	04/02/2019	Other SWMF- Credit Purchase	3.92	9.46	NA[1]	
16-0102	16-0102.1	1424, 1426, & 1428 W Ocean View Ave.	1426	W OCEAN VIEW AVENUE	23503	CB26	05/01/2019	Infiltration 1	0.24	1.60	106.58	
16-0115	16-0115.1	Royal Farms	5516	RABY ROAD	23502	JL54	12/28/2018	Detention Basin	0.97	3.16	524.99	
16-0115	16-0115.2	Royal Farms	5516	RABY ROAD	23502	JL54	12/28/2018	Detention Basin	0.67	2.18	362.49	
16-0115	16-0115.3	Royal Farms	5516	RABY ROAD	23502	JL54	12/28/2018	Detention Basin	0.67	2.18	362.49	
16-0115	16-0115.4	Royal Farms	5516	RABY ROAD	23502	JL54	12/28/2018	Other SWMF- Credit Purchase	1.49	3.28	NA[1]	
16-0115	16-0115.5	Royal Farms	5516	RABY ROAD	23502	JL54	12/27/2018	Other SWMF- Oil-Water Serperator	NA[2]	NA[2]	NA[2]	
17-0012	17-0012.1	Valley Self Storage Additional Buildings	1117	VALLEY DRIVE	23502	JL54	11/26/2018	Infiltration 1	0.55	3.65	183.08	
17-0012	17-0012.2	Valley Self Storage Additional Buildings	1117	VALLEY DRIVE	23502	JL54	11/26/2018	Infiltration 1	0.49	3.20	160.76	
17-0014	17-0014.1	IKEA	6000	NORTHAMPTON BOULEVARD	23502	CB26	04/04/2019	Infiltration 2	10.37	73.41	1464.09	
17-0014	17-0014.2	IKEA	6000	NORTHAMPTON BOULEVARD	23502	CB26	04/04/2019	Infiltration 2	20.43	144.57	3034.75	
17-0015	17-0015.1	2714-2718 Pleasant Ave Duplex	2714	PLEASANT AVENUE	23518	CB26	04/18/2019	Infiltration 2	0.18	1.29	52.32	
17-0016	17-0016.1	Sunshine Villas	1218	W OCEAN VIEW AVENUE	23503	CB26	11/02/2018	Bioretention Basins	0.01	0.10	8.41	
17-0019	17-0019.1	Virginia Zoo Exhibit Building Renovation	3500	GRANBY STREET	23504	JL56	02/04/2019	Bioretention 1	0.13	1.10	84.84	
17-0021	17-0021.1	Cook Out	720	E LITTLE CREEK ROAD	23518	JL57	01/11/2019	Manufactured BMP Systems	0.22	0.70	116.66	
17-0021	17-0021.2	Cook Out	720	E LITTLE CREEK ROAD	23518	JL57	01/11/2019	Other SWMF- Quantity Only	NA[2]	NA[2]	NA[2]	
17-0039	17-0039.1	Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	23502	JL54	10/15/2018	Manufactured BMP Systems	0.40	2.46	408.33	
17-0039	17-0039.2	Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	23502	JL54	10/15/2018	Manufactured BMP Systems	2.01	6.52	1083.31	
17-0039	17-0039.3	Checkered Flag Honda Expansion	6539	E VIRGINIA BEACH BOULEVARD	23502	JL54	10/15/2018	Other SWMF- Credit Purchase	0.53	1.97	NA[1]	
17-0043	17-0043.1	3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	23503	CB26	08/20/2018	Bioretention 1	0.09	0.74	45.02	
17-0043	17-0043.2	3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	23503	CB26	08/20/2018	Bioretention 2	0.13	0.93	35.84	
17-0043	17-0043.3	3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	23503	CB26	08/20/2018	Permeable Pavement 1	0.02	0.14	6.96	
17-0043	17-0043.4	3 SFR - 1100 Virgilina Ave	1100	VIRGILINA AVENUE	23503	CB26	08/20/2018	Permeable Pavement 2	0.04	0.29	10.46	
17-0052	17-0052.1	2607 Colonial Ave.	2607	COLONIAL AVENUE	23517	JL56	02/11/2019	Other SWMF- Quantity Only	NA[2]	NA[2]	NA[2]	
17-0052	17-0052.2	2607 Colonial Ave.	2607	COLONIAL AVENUE	23517	JL56	02/11/2019	Other SWMF- Credit Purchase	0.29	0.64	NA[1]	
17-0068	17-0068.3	3 SFR Columbia Avenue	1636	COLUMBIA AVENUE	23509	JL56	06/14/2019	Detention Basin	0.09	0.29	47.92	
17-0072	17-0072.1	8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	23503	JL57	03/14/2019	Bioretention 2	0.07	0.69	19.83	
17-0072	17-0072.2	8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	23503	JL57	11/27/2018	Bioretention 2	0.07	0.69	19.83	
17-0072	17-0072.3	8802 Chesapeake Blvd - 3 SFR	8802	CHESAPEAKE BOULEVARD	23503	JL57	02/13/2019	Bioretention 2	0.07	0.69	19.83	
17-0074	17-0074	9544 14th Bay Street Duplex	9544	14TH BAY STREET	23518	CB26	10/22/2018	Rainwater Harvesting	0.14	0.99	19.63	
17-0077	17-0077.1	Didlake Expansion	8131	SHORE DRIVE	23518	CB26	01/18/2019	Wet Swale 1	0.42	2.93	121.69	
17-0077	17-0077.2	Didlake Expansion	8131	SHORE DRIVE	23518	CB26	01/18/2019	Wet Swale 1	0.10	0.88	82.70	
17-0080	17-0080.1	Salvation Army Parking Lot	5525	RABY ROAD	23502	JL54	05/30/2019	Wet Pond 1	0.36	1.15	868.85	

Control Measures Implemented During FY19 Reporting Period

Site ID	SWMF ID	Site Title	Street Number	Street Name	Zip	HUC	Date Online	SWMF Type	Phosphorus Removed (lbs/yr)	Nitrogen Removed (lbs/yr)	Sediment Removed (lbs/yr)	Retrofit Type (if applicable)
17-0080	17-0080.2	Salvation Army Parking Lot	5525	RABY ROAD	23502	JL54	05/30/2019	Other SWMF- Credit Purchase	0.27	0.59	NA[1]	
17-0081	17-0081.1	13th Bay Street Duplex	9538	13TH BAY STREET	23518	CB26	11/06/2018	Other SWMF- Credit Purchase	0.15	0.91	NA[1]	
18-0000	18-0000.1	Retreat at Harbor Pointe	350	CAMPOSTELLA ROAD	23523	JL54	12/21/2018	Other SWMF- Credit Purchase	7.10	15.62	NA[1]	
18-0002	18-0002.1	General Aviation CBP Facility	6101	BURTON STATION ROAD	23518	CB26	07/30/2018	Other SWMF- Credit Purchase	0.99	8.52	NA[1]	
18-0010	18-0010.3	VB Blvd Improvements at Newtown Rd	6602	E VIRGINIA BEACH BOULEVARD	23502	JL54	12/12/2018	Other SWMF- Credit Purchase	0.49	1.08	NA[1]	
18-0014	18-0014.5	941 Hillside Ave Subdivision	941	HILLSIDE AVENUE	23503	CB26	01/23/2019	Other SWMF- Credit Purchase	0.04	0.34	NA[1]	
18-0031	18-0031.1	Granby St and Bayview Blvd Intersection Improvements	105	W BAYVIEW BOULEVARD	23503	JL57	10/18/2018	Other SWMF- Credit Purchase	0.10	0.22	NA[1]	
18-0034	18-0034.1	Maker's Craft Brewery	735	E 23RD STREET	23504	JL56	10/12/2018	Other SWMF- Credit Purchase	0.73	6.28	NA[1]	
18-0036	18-0036.1	Chenman Project	629	W 24TH STREET	23517	JL56	10/24/2018	Other SWMF- Credit Purchase	0.11	0.24	NA[1]	
18-0051	18-0051	Telecommunications Tower	1539	JOHNSTONS ROAD	23518	CB26	09/30/2018	Other SWMF- Credit Purchase	1.72	0.20	NA[1]	
18-0059	18-0059.1	Dollar General	3350	CHESAPEAKE BOULEVARD	23513	JL56	12/18/2018	Other SWMF- Credit Purchase	0.08	0.69	NA[1]	
18-0061	18-0061-.3	River Tower at Harbor's Edge	1	COLLEY AVENUE	23510	JL54	01/02/2019	Other SWMF- Credit Purchase	1.31	17.88	NA[1]	
18-0066	18-0066.1	20 Rivanna Building Canopy & Drive Aisle	6315	NORTH CENTER DRIVE	23502	JL54	05/02/2019	Permeable Pavement 1	0.10	0.62	22.44	
18-0077	18-0077.1	Rock Gym	7405	SEWELLS POINT ROAD	23513	JL56	02/08/2019	Other SWMF- Credit Purchase	0.89	7.66	NA[1]	
18-0104	18-0104.3	4535 E Princess Anne Road-Tidewater Tech parking expansion	4535	E PRINCESS ANNE ROAD	23502	JL54	04/23/2019	Other SWMF- Credit Purchase	0.50	1.10	NA[1]	
18-0104	18-0104.4	4535 E Princess Anne Road-Tidewater Tech parking expansion	4535	E PRINCESS ANNE ROAD	23502	JL54	04/12/2019	Other SWMF- Credit Purchase	1.15	2.53	NA[1]	
19-0006	19-0006.1	WNOR Tower Replacement	600	E INDIAN RIVER ROAD	23523	JL54	06/07/2019	Other SWMF- Credit Purchase	0.10	0.00	NA[1]	

1- Credit Purchase. No TSS Reduction Provided

2- Quantity or Oil Management Practice

Control Measures Expected to be Implemented and Cumulative Progress Through FY20

Redevelopment construction activity and associated pollutant reductions are expected to remain steady in Norfolk through FY20. In addition, several retrofit projects are in various stages of construction, which is anticipated to complete in FY20. Below are redevelopment and retrofits projects currently under construction which should reach completion. Other small projects may start and complete in FY20, but cannot be estimated at this time. Assuming the project below all complete construction, by end of FY20 Norfolk will have achieved 9,989 lbs/yr TP, 27,071 lbs/yr TN, and 3,250,291 lbs/yr TSS in the James River watershed. In the Little Creek and Chesapeake Bay Beaches watershed Norfolk will have achieved 2244 lbs/yr TP, 6,569 lbs/yr TN, and 672,017 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 Description	HUC	SWMF Type	TP Removal (lb/yr)	TN Removal (lb/yr)	TSS Removal (lb/yr)
16-0034	16-0034.1	Grandy Village Phase VI	JL54	Bioretention Basins	7.59	62.68	2163.03
16-0034	16-0034.2	Grandy Village Phase VI	JL54	Vegetated Filter Strip	5.44	43.12	1551.03
16-0034	16-0034.3	Grandy Village Phase VI	JL54	Constructed Wetland 1	9.81	57.45	3322.06
16-0048	16-0048.1	Sunset Dr. at Chesapeake Blvd Drainage	CB26	Manufactured BMP Systems	1.74	10.18	588.83
16-0055	16-0055.1	Roberts Road Retention Pond Retrofit	JL56	Wet Pond 2	21.20	62.80	1576.90
16-0060	16-0060.1	Kennebaeck Ave Azalea Garden Rd Drainage	JL56	Manufactured BMP Systems	0.71	4.16	240.77
16-0099	16-0099.1	Villa Circle Living Shoreline	JL56	Shoreline Management	8.40	137.70	41351.00
17-0004	17-0004.1	Lake Taylor Retention Pond Retrofit	JL54	Wet Pond 2	466.70	1681.30	63465.00
17-0023	17-0023.1	Hermitage East Living Shoreline	JL56	Shoreline Management	5.80	95.50	60262.00
17-0030	17-0030.1	Apple Retail Properties	CB26	Wet Pond 1	6.13	19.50	2104.09
17-0044	17-0044.2	Sentara Leigh Cancer Center	JL54	Manufactured BMP Systems	1.13	6.61	382.09
17-0044	17-0044.3	Sentara Leigh Cancer Center	JL54	Manufactured BMP Systems	2.30	13.49	779.88
17-0051	17-0051.1	Norfolk Square Contractor's Office	JL54	Infiltration 2	0.53	4.79	143.02
17-0063	17-0063.1	Hermitage West Living Shoreline	JL56	Shoreline Management	7.80	128.60	24300.00
18-0006	18-0006.1	EVMS Ed. & Admin. Bldg	JL54	Bioretention 1	0.53	4.39	151.46
18-0009	18-0009.2	1718 EOV Duplex	JL56	Detention Basin	0.08	0.45	26.17
18-0009	18-0009.3	1718 EOV Duplex	CB26	Other SWMF	0.18	1.04	60.19
18-0049	18-0049.1	Kempsville Behavioral Health Additions	CB26	Bioretention 2	0.57	5.26	152.02
18-0049	18-0049.2	Kempsville Behavioral Health Additions	JL54	Detention Basin	0.08	0.45	26.17
18-0085	18-0085.1	Villa Marina Apartments	JL54	Permeable Pavement 1	0.56	4.44	159.87
18-0085	18-0085.2	Villa Marina Apartments	CB26	Permeable Pavement 1	0.16	1.25	44.88
19-0025	19-0025.1	Tru-Hotel Property	CB26	Wet Pond 1	6.09	35.66	2062.22
S53	S53.1	Central Business Park Retention Pond Retrofit	JL56	Wet Pond 2	11.40	38.80	1201.00
S72	S72.1	Continous Flow Intersection	CB26	Extended Detention Basin	11.19	65.53	3789.46
				Total Expected FY20 Removal	**576.12**	**2485.17**	**209903.14**
					TP (lbs/yr)	TN (lbs/yr)	TSS (lbs/yr)

Appendix 15

Elizabeth River Bacteria TMDL Implementation

July 2018 - June 2019

In FY19 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 FY19 is included below.

Illicit Discharge Detection & Elimination Activities:

In FY19 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 756,561 linear feet of sanitary sewer pipe to identify deficiencies likely to lead to overflows and addressed 31 sanitary sewer overflows. Department of Public Works (DPW) staff visually inspected 2006 stormwater system structures, including more than 50 under dry weather conditions, and addressed 55 illicit discharges in the stormwater system. DPW also inspected 11 high risk commercial/industrial facilities and expanded its use of remote-operated camera for pipe inspection.

Programmatic and Monitoring Activities:

Norfolk continued its extensive education and outreach program in FY19, including presentations to 24 school groups, 4 summer camps, 4 civic leagues, and 7 other outreach events that touched directly on management of pet waste and wildlife to reduce bacteria pollution. 36 other outreach events, social media posts, or mailers focused on other stormwater topics, where pet or wildlife waste may also have been partially addressed. Staff focused heavily on the topic of "backyard" pet waste. While residents have grown better at picking up after their pets on walks, many are surprised to hear that not picking up in their backyard or other places away from paved roads can still have a negative impact on water quality. To address this knowledge gap, Norfolk and community partners such as Elizabeth River Project began developing outreach tools such as videos and fliers on the topic for a focused outreach starting spring 2020. 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 year round, the City and partners have continued to review and implement several options. Vegetated buffers are now required for all stormwater pond upgrades or shoreline restorations to discourage congregation of geese in these areas where they frequently feed. In June, the city's Watershed Management Task Force discussed the topic of increased educational signage to discourage feeding of wildlife. The collected staff and community partners felt that feeding was declining with the current generation and that widescale implementation of signage was not necessary. Participants agreed to keep an eye out for problem areas with any of their projects where signs could be appropriate in the future.

In FY19 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 FY19 in Norfolk, the program provided education to over 100 people, conducted 964 pump outs, and collected 13,521 gallons of sewage that may otherwise have found it's way into local waters due to equipment failure or discharge.

While septic systems represent a very small percentage of sewer treatment in Norfolk, the City and it's partners continue to work towards removal or better management of these systems. In FY19 nine properties converted from septic systems to City-maintained sanitary sewer, reducing the risk of potential drain field overflows. The Norfolk Health Department sent letters to 23 properties with septic systems as part of their five-year cycle of confirming management of the system. To date the Health Department has heard back from 11 of those properties showing they have had their systems inspected and/or pumped out. One property also applied and was approved to upgrade to an advanced treatment system.

Norfolk continued partnership with Hampton Roads Sanitation District in FY19 on HRSD's bacterial source tracking program, with focus on Broad Creek in the Eastern Branch of the Elizabeth River and Haven Creek in the Lafayette River. In Haven Creek the program identified a major illicit discharge due to an improper sanitary connection, which was promptly addressed, after which monitoring showed no further impairment in both Haven Creek and nearby Knitting Mill Creek. The monitoring effort in Broad Creek was continuation of an ongoing multi-year study. Results to date have identified one sanitary overflow during dry-weather, but otherwise suggest pet waste or wildlife may represent the majority of bacterial load in the watershed. Wet weather monitoring and analysis continues in FY20.