
Municipal Separate Storm Sewer System (MS4) 2015-2016 Annual Report for Permit No. VAR040104

In Compliance with the General VPDES Permit for Discharges of
Stormwater from Small Municipal Separate Storm Sewer Systems

October 1, 2016



Fairfax County Public Schools
Department of Facilities Management
Sideburn Support Center
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Fairfax, Virginia 22032



**General VPDES Permit for
Small Municipal Separate Storm Sewer Systems
Permit No. VAR040104**

Year 3 Annual Report
July 1, 2015 – June 30, 2016

Fairfax County Public Schools

Submitted by:

Fairfax County Public Schools
Department of Facilities Management
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**Year 3 Annual Report
July 1, 2015 – June 30, 2016 Reporting Period
Fairfax County Public Schools**

TABLE OF CONTENTS

1. INTRODUCTION	1
2. BACKGROUND INFORMATION	2
3. STATUS OF COMPLIANCE WITH PERMIT YEAR 2 CONDITIONS	4
3.1 PUBLIC EDUCATION AND OUTREACH (MCM #1).....	5
BMP 1.A – Watersheds: Local Water Quality and Volume Management.....	6
BMP 1.B – Chesapeake Bay Nutrients.....	6
BMP 1.C – Nonpoint Source Pollution Prevention: Impacts of Polluted Stormwater on Streams.	7
BMP 1.D – General Education and Outreach.....	7
3.2 PUBLIC INVOLVEMENT/PARTICIPATION (MCM #2).....	8
BMP 2.A – Public Notice and Participation	8
BMP 2.B – Promote and Support Student Volunteer Activities	8
3.3 ILLICIT DISCHARGE DETECTION AND ELIMINATION (MCM #3).....	10
BMP 3.A – Storm Sewer Infrastructure Map.....	11
BMP 3.B – Prohibition on Illicit Discharges.....	11
BMP 3.C – Written Procedures for Suspected Illicit Discharges and Illegal Dumping, and Complaint Response Tracking and Reporting.....	11
BMP 3.D – Dry Weather Outfall Screening and Tracking.....	11
BMP 3.E – Storm Drain Marking Program.....	12
BMP 3.F – Promote Recycling to Reduce Trash.....	13
3.4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL (MCM #4)	14
BMP 4.A – Legal Authorities Utilized to Ensure Compliance	14
BMP 4.B – Plan Review and Approval Procedures.....	15
BMP 4.C – Inspection and Enforcement Procedures.....	15
BMP 4.D – Public Complaint Reporting Mechanism	15

BMP 4.E – Land Disturbing Activities Tracking System	15
3.5 POST-CONSTRUCTION STORMWATER MANAGEMENT (MCM #5).....	17
BMP 5.A – Long Term Operation and Maintenance of BMP Facilities.....	17
BMP 5.B – Stormwater Facility BMP Tracking Database.....	18
3.6 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS (MCM #6).....	19
BMP 6.A – Sweeping Projects.....	20
BMP 6.B – Good Housekeeping Standard Operating Procedures for Daily Operations	20
BMP 6.C – Stormwater Pollution Prevention Plans for High-Priority Facilities.....	21
BMP 6.D – Turf and Landscape Nutrient Management Plans	21
BMP 6.E – Training on Recognition and Reporting of Illicit Discharges by Field Personnel.....	21
BMP 6.F – Training on Good Housekeeping and Pollution Prevention for Maintenance, Public Works, and Recreation Facility Staff	22
BMP 6.G – Certification for Pesticide and Herbicide Applicators	22
BMP 6.H – Proper State Certification for Erosion and Sediment Control.....	22
BMP 6.I – Spill Response Training for Emergency Personnel	22
BMP 6.J – Contractor Oversight Procedures.....	22
4. RESULTS OF INFORMATION COLLECTED AND ANALYZED.....	23
5. SUMMARY OF YEAR 4 PLANNED ACTIVITIES.....	23
6. CHANGES IN IDENTIFIED BMPS OR MEASURABLE GOALS.....	24
7. RELIANCE ON OTHER GOVERNMENT ENTITIES.....	24
8. APPROVAL STATUS OF QUALIFYING LOCAL PROGRAMS	25
9. SPECIAL CONDITIONS ASSOCIATED WITH APPROVED TMDLS.....	25
10. EVALUATION AND ASSESSMENT OF BMPS.....	25

APPENDICES

Appendix A

Summary of School Curriculum
NVRC Clean Water Partners Reports

Appendix B

MS4 Webpage Screen Capture
Get2Green Webpage Screen Capture and List of Events
Summary of FCPS Events
Schoolyard Stewardship Mini Grant Information and Projects Awarded
NoVA Outside School Environmental Action Showcase Information

Appendix C

Dry Weather Outfall Screening Results
Track Down Reports
Storm Drain Marking Information
Get2Green Recycling Webpage and Dashboard Example

Appendix D

Stormwater Management Facilities Brought Online

Appendix E

Nutrient Management Plan Locations and Planning Status
Custodial “Notice” No Dumping Poster
Pollution Prevention and Good Housekeeping Training Tracking Sheet
Pesticide applicator certifications

Appendix F

Letter of Continued Support from Fairfax County

1. Introduction

This 2015-2016 MS4 Permit Annual Report (annual report) has been prepared by Fairfax County Public Schools (FCPS) Office of Facilities Management (OFM) in accordance with the requirements of the General Permit for Discharges of Stormwater from Municipal Separate Storm Sewer Systems (general permit). FCPS was originally issued General Permit Number VAR040104 on July 8, 2003. The Virginia Department of Environmental Quality (DEQ) re-issued the current five-year permit effective July 1, 2013.

Under the terms of the general permit, FCPS has developed a Municipal Separate Storm Sewer System (MS4) Program Plan (program plan) to implement six minimum control measures (MCMs) aimed at reducing the discharge of pollutants to the maximum extent practicable (MEP). Minimum control measures include:

MCM #1 Public Education and Outreach	MCM #4 Construction Site Runoff Control
MCM #2 Public Involvement / Participation	MCM #5 Post-Construction Stormwater Management
MCM #3 Illicit Discharge Detection and Elimination	MCM #6 Pollution Prevention / Good Housekeeping

This annual report is organized to address required elements as stated in Section II E of the permit. In addition, each MCM contains specific annual reporting requirements. The following is a summary of key annual reporting items that are addressed in this annual report:

- A list of the education and outreach activities conducted during the reporting period for each high-priority water quality issue, the estimated number of people reached, and an estimated percentage of the target audience or audiences reached.
- A list of the education and outreach activities that will be conducted during the next reporting period for each high-priority water quality issue, the estimated number of people that will be reached, and an estimated percentage of the target audience or audiences that will be reached.
- A web link to the program plan and annual report and documentation of compliance with public participation requirements.
- A list of any written notifications of physical interconnection given to other MS4 operators.
- The number of illicit discharges identified during the reporting period and a narrative of how they were controlled or eliminated.
- The total number of outfalls screened, the screening results, and detail of any necessary follow up actions.
- Regulated land-disturbing activities data tracked under Section II 4, including total regulated activities, number of acres disturbed, and inspections conducted.
- A summary of enforcement actions taken, including the total number and type of enforcement actions taken during the reporting period for land-disturbing activities.
- All known permanent stormwater management facility data tracked under Section II B 5 b (6) submitted in a database format to be prescribed by DEQ.

- The total number of stormwater management facility inspections completed.
- A summary report on the development and implementation of daily operating procedures, required stormwater pollution prevention plans (SWPPPs), turf and landscape nutrient management plans (NMPs), and training plans.

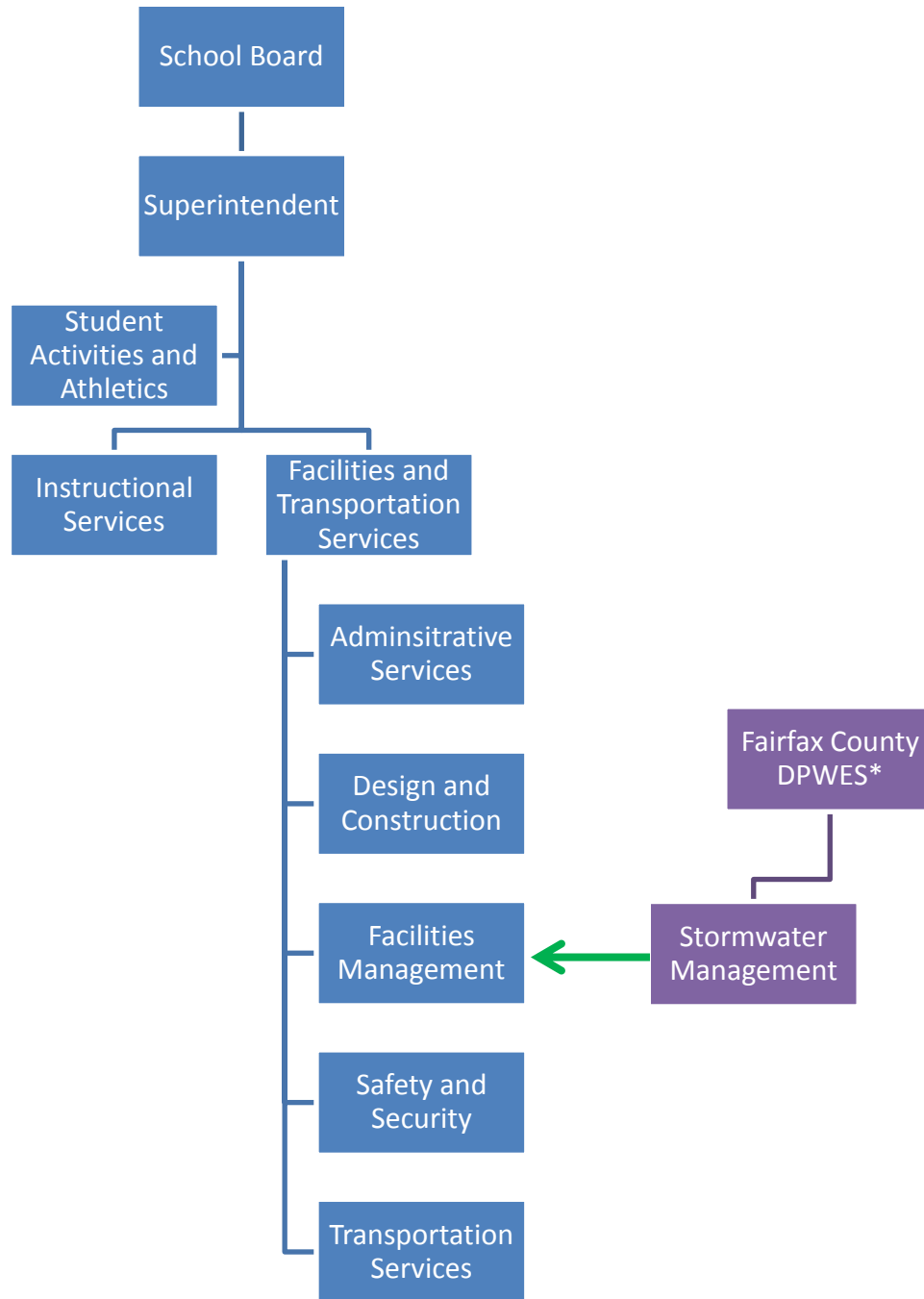
2. Background Information

This section provides background information as required by Part II E 3.a of the General Permit. The signed certification is located at the front of this document.

Name of Operator:	Reporting Period:	Permit Number:
Fairfax County Public Schools	Permit Year 2 (July 1, 2014 – June 30, 2015)	VAR040104
Modifications to Roles and Responsibilities: None		
New MS4 Outfalls: None		

The organizational chart on the following page outlines FCPS departments and agencies with major stormwater management functions or responsibilities that are referenced in this annual report. The Office of Facilities Management is the primary lead on MS4 compliance activities. Support is also provided by Fairfax County through the Department of Public Works and Environmental Services, Stormwater Management. There have been no changes to FCPS departments or agencies that affect the program plan. Additional information about each department is found in the program plan.

Stormwater Management Organizational Chart



**DPWES – Department of Public Works and Environmental Services*

3. Status of Compliance with Permit Year 2 Conditions

The following sections provide the status of best management practices (BMPs) implemented during Permit Year 3 (PY3) for each of the six MCMs as provided in the program plan. FCPS has updated the program plan according to the schedule provided in general permit Table 1. The program plan is included in this submittal under separate cover.

Each MCM has its own section, which begins with a summary table describing the task, the implementation year, the measurable goal as described in the program plan, and task status. Following the summary table is a more detailed discussion of the implementation status of each task and a description of the measure of effectiveness. BMPs to be implemented in subsequent permit years are not included in this section. However, Section 5 provides a summary report of BMPs that will be implemented in PY4 as required in Section II E 3 d of the general permit.

3.1 Public Education and Outreach (MCM #1)

The following table is a summary of ongoing activities and new activities performed during the 2015 – 2016 reporting period for MCM #1 and their completion status.

BMP/Task	Year	Measurable Goal	Status
1.A – Watersheds: Local Water Quality and Volume Management			
Implement the “Ecosystems” unit in the curriculum for all 4 th and the “Fields of Science” unit in all 5 th grade classrooms.	All	The estimated number of individuals reached by all efforts will be compared to the size of the target audience of approximately 20,500 4 th and 5 th grade students and a percentage reached will be reported.	Complete
1.B – Chesapeake Bay Nutrients			
Implement “Investigations in Environmental Science” course for all 7 th grade students.	All	The estimated number of individuals reached by all efforts will be compared to the size of the target audience of approximately 10,000 7 th grade students and a percentage reached will be reported.	Complete
Participate in the NVRC Clean Water Partners program regional efforts.	2-5	FCPS will provide the summary of results of program efforts conducted by the NVRC Clean Water Partners and a summary of any survey results that measure the effectiveness of campaign.	Complete
BMP 1.C – Nonpoint Source Pollution Prevention: Impacts of Polluted Stormwater on Streams			
Implement AP and IB Geosystems and Oceanography courses for 11 th and 12 th grade students.	All	The estimated number of individuals reached by all efforts will be compared to the size of the target audience of approximately 26,000 11 th and 12 th grade students and a percentage reached will be reported.	Complete
BMP 1.D – General Education and Outreach			
Provide general education for students through participation in the NVRC Clean Water Partners program regional efforts.	2-5	FCPS will provide the summary of results of program efforts conducted by the NVRC Clean Water Partners and a summary of any survey results that measure the effectiveness of campaign.	Complete

For the next permit year (2016 – 2017), FCPS will continue to offer the same curriculum to reach the target audience as outlined in the MS4 Program Plan. The number of students enrolled in each grade varies slightly from year to year but is not expected to change substantially from 2015-2016: 20,500 4th and 5th graders, 10,000 7th graders and 26,000 11th and 12th graders. The percentage reached through this curriculum is anticipated to remain consistent; it is estimated that 100% of 4th, 5th and 7th graders and 25% of 11th and 12th graders will participate in the course offerings presented in the MS4 Program Plan.

FCPS will also continue to support the NVRC Clean Water Partners education campaign that is structured to reach 20% of the identified target audience annually. The anticipated number of people to be reach is estimated to remain similar to the number reached in the 2015 - 2016 campaign: 415,000 through the TV and Cox.com/Xfinity.com campaign for dog owners.

BMP 1.A – Watersheds: Local Water Quality and Volume Management

FCPS identified 4th and 5th grade students as the target audience for education and outreach efforts and provides the following science curriculum that focuses on this high-priority water quality issue:

- FCPS will continue to implement the Ecosystems unit in the curriculum for all 4th grade classrooms and the Fields of Science unit for all 5th grade classrooms. In these units, students investigate the Earth's natural resources and how to protect them, research the Potomac River watershed and its water resources, and examine public policy decisions related to the environment.



Measure of Effectiveness

All of the 20,500 (approximate total) 4th and 5th grade FCPS students (100%) participated in the Ecosystems and Fields of Science units during the 2015-2016 school year. Appendix A provides a summary of the curriculum for these classes.

BMP 1.B – Chesapeake Bay Nutrients

FCPS identified middle school students as the target audience for education and outreach efforts on this high-priority water quality issue and provides the following science curriculum and regional efforts:

- Seventh grade students participated in the Investigations in Environmental Science course. This course builds upon the science curriculum introduced in upper-elementary grades. Students study basic ecological concepts and how excess nutrients from over-fertilizing can be washed into the storm sewer during a rain event and impact the ecology of local waterways and the Chesapeake Bay. Process skills related to scientific investigation, reasoning, and logic are integrated throughout the course as students carry out investigations, collect and analyze data, and formulate conclusions.
- FCPS participated in the NVRC Clean Water Partners program to provide outreach about the water quality impacts of nutrients in fertilizers. See BMP 1.D for information on FCPS participation in this program.

Measure of Effectiveness

All of the 10,000 (approximate total) 7th grade FCPS students (100%) participated in the Investigations in Environmental Science unit during the 2015-2016 school year. Appendix A provides a summary of the curriculum for these classes.

BMP 1.C – Nonpoint Source Pollution Prevention: Impacts of Polluted Stormwater on Streams

FCPS identified 11th and 12th grade students as the target audience for this BMP. At least 20 percent of all 11th and 12th graders are enrolled in Advanced Placement (AP) Environmental Science, International Baccalaureate (IB) Environmental Systems and Society, and Geosystems. Reaching students at this level continues to build on stormwater quality concepts introduced in previous grade levels. Through participation at these high school grade levels, after the majority of students have progressed through the elementary school and middle school courses, student knowledge of stormwater quality issues will be enhanced even further.

- There were approximately 7,700 11th and 12th grade FCPS students in AP and IB environmental study course offerings that cover topics including non-point source pollution and stormwater studies. Geosystems integrates content from geology, astronomy, oceanography, and meteorology with various forms of technology, social and environmental issues, and hands-on experiments.

Measure of Effectiveness

There were 25,800 (approximate total) 11th and 12th grade FCPS students in 2015-2016. Students were registered in the following environmental course offerings:

- Approximately 5,800 in Geosystems
- Approximately 1,900 in AP and IB Environmental Studies

An approximate total of 7,700, or 30 percent, of 11th and 12th grade students participated in the AP and IB Environmental studies and Geosystems units during the 2015-2016 school year. The Geosystems curriculum follows state standards and the AP and IB courses follow standards set forth by those organizations.

BMP 1.D – General Education and Outreach

FCPS participated in the NVRC Clean Water Partners program. This program focuses on nutrients (see BMP 1.B) as well as other pollutants, including bacteria. Specifically, the program is designed to reach pet owners on the proper disposal of pet waste. The program uses radio, TV, print and online media to reach pet owners across the region. FCPS will also continue to maintain the MS4 Program webpage at <https://www.fcps.edu/node/27814>.

Measure of Effectiveness

A summary of the Clean Water Partners campaign and a summary of any survey results is provided in Appendix A.

3.2 Public Involvement/Participation (MCM #2)

The following table is a summary of ongoing activities and new activities performed during the 2015 - 2016 reporting period for MCM #2 and their completion status.

BMP/Task	Year	Measurable Goal	Status
BMP 2.A – Public Notice and Participation			
Update MS4 Program Plan annually in conjunction with preparation of the annual report.	All	Updated program plan attached to annual report.	Complete
Post MS4 Program Plan within 30 days of submittal to DEQ.	All	Weblink to program plan.	Complete
Post annual report and retain copies of each annual report online for duration of the permit.	All	Weblink to annual reports.	Complete
BMP 2.B – Promote and Support Student Volunteer Activities			
Sponsor a minimum of four student activities annually.	All	Summary of at least four local activities that are promoted, supported, sponsored, and/or publicized by FCPS. The summary will include the name of the activity, the date, the number of students participating, and a measure of the activity (e.g., number of storm drains marked), if applicable.	Complete

BMP 2.A – Public Notice and Participation

The updated program has been submitted with this annual report under separate cover. As required in the general permit, the final updated program plan and the PY3 annual report will be posted on the MS4 Program webpage on the FCPS website within 30 days of submittal to DEQ at <https://www.fcps.edu/node/27814>.

Measure of Effectiveness

The PY3 annual report and updated program plan will be posted to the MS4 Program webpage within 30 days of submittal to DEQ as required.

BMP 2.B – Promote and Support Student Volunteer Activities

FCPS continues to support and promote volunteer activities to improve water quality through the Get2Green program. Get2Green was started as a FCPS project in December 2010 to further FCPS's goal to graduate environmental stewards, with more than 60% of schools registered as Eco-Schools under the program. More information on the FCPS Get2Green program is provided in Appendix B and can be accessed on the FCPS webpage <http://get2green.fcps.edu/index.html>.

Additional activities are offered to students through the Schoolyard Stewardship Mini Grant

(SSMG) program, which facilitates projects that engage students in environmental stewardship activities. The mini grants provide up to \$3,000 per school for one project during the fiscal year.

FCPS also participates in the NoVA Outside School Environmental Action Showcase (SEAS). The SEAS program is an exhibition and celebration of the environmental stewardship efforts of students, teachers, schools and non-profits. FCPS participated on April 9, 2015.

Measure of Effectiveness

During this reporting period, over 5,500 students and over 500 adults participated in Get2Green and other environmental activities, which included planting projects, water testing and learning activities. A spreadsheet summary of the activities is provided in Appendix B.

In FY2016, 24 schools were awarded SSMG funding to implement projects that include erosion prevention, rain barrels, creek and wetland classroom project, gardens, wildlife habitats, and others. A summary of the projects and schools receiving awards is provided in Appendix B.

Over 500 students and 200 adults attended the SEAS event this year on April 6, 2016. More information is provided in Appendix B.



3.3 Illicit Discharge Detection and Elimination (MCM #3)

The following table is a summary of ongoing activities and new activities performed during the 2015 - 2016 reporting period for MCM #3 and their completion status.

BMP/Task	Year	Measurable Goal	Status
3.A - Storm Sewer Infrastructure Map			
Maintain an updated storm sewer system map.	All	Summarize any changes to the database and map.	Complete
Identify any new physical interconnections and notify the connected MS4.	2-5	Summarize notifications of interconnections during the requisite annual report.	Complete
3.B - Prohibition on Illicit Discharges			
Implement prohibition on illicit discharges.	All	Document any changes to policies, notices, and directives in the appropriate annual report.	Complete
3.C - Written Procedures for Suspected Illicit Discharges and Illegal Dumping, and Complaint Response Tracking and Reporting			
Develop and implement written suspected illicit discharge procedures.	All	Document any changes to the written procedures.	Complete
Operate a public complaint system.	All	Document the 24-hour emergency response hotline operated by FCPS during the reporting period.	Complete
3.D - Dry Weather Outfall Screening and Tracking			
Develop and implement written dry weather screening procedures.	All	Document any changes to the written procedures.	Complete
Perform annual dry weather screening of 50 outfalls.	All	Summarize all dry weather screening activities and follow-up investigations.	Complete
Maintain tracking database.	All	Document the follow up activities from the tracking database.	Complete
3.E - Storm Drain Marking Program			
Implement storm drain marking program.	All	Report the number of storm drains marked and the number of volunteers participating in the marking program.	Complete
3.F - Promote Recycling to Reduce Trash			
Promote and facilitate recycling.	All	Document recycling promotion efforts and the amount of recycling collected during each school year.	Complete

BMP 3.A – Storm Sewer Infrastructure Map

Fairfax County DPWES continues to maintain and update the storm sewer and outfall map for FCPS. FCPS has access to the storm sewer and outfall map and utilizes it to better understand the system.

No new interconnections with a downstream MS4 were identified. As a result, no written notifications were required

Measure of Effectiveness

Updates to the map are integrated into the storm sewer mapping systems as projects are complete.

BMP 3.B – Prohibition on Illicit Discharges

FCPS continues to use policies, notices, and regulations (directives) to effectively prohibit illicit discharges to the storm sewer system and to conduct necessary enforcement in the case of an illicit discharge. FCPS is also subject to local ordinances in the respective jurisdiction regarding stormwater pollution and the prohibition on illicit discharges.

Measure of Effectiveness

No changes to FCPS policies, notices, and regulations were required during the reporting period to address illicit discharges. These prohibitions are contained in Fairfax County's Stormwater Management Ordinance, which can be found at https://www.municode.com/library/va/fairfax_county/codes/code_of_ordinances?nodeId=THCOCOFVI1976_CH124STMAOR.

Town of Herndon Code addressing illicit discharges can be found at https://www.municode.com/library/va/herndon/codes/code_of_ordinances?nodeId=PTIICOOR_CH26EN_ARTVIIIITMA and Town of Vienna Code addressing illicit discharges can be found at https://www.municode.com/library/va/vienna/codes/code_of_ordinances?nodeId=PTIICOOR_C_H16STSI. The current FCPS Student Rights and Responsibilities, which can be used to enforce prohibitions on illicit discharges, can be found at <https://www.fcps.edu/about-fcps/policies-regulations-and-notices/student-rights-and-responsibilities>.

BMP 3.C – Written Procedures for Suspected Illicit Discharges and Illegal Dumping, and Complaint Response Tracking and Reporting

FCPS has standardized its response to suspected illicit discharges and illegal dumping so that proper data is collected and the appropriate staff is contacted for follow up if needed.

Measure of Effectiveness

- FCPS developed written standard operating procedures (SOPs) for “Suspected Illicit Discharges” and a standardized field form during PY1 as part of the update to the program plan.
- FCPS continues to operate the 24-hour emergency response telephone hotline.

BMP 3.D – Dry Weather Outfall Screening and Tracking

FCPS developed written procedures and began outfall screening for this permit cycle in accordance with the MS4 Program Plan.

- FCPS developed a written SOP for dry weather screening during PY1.

- Dry weather screening was conducted at 51 outfalls during the reporting period.

Measure of Effectiveness

Dry weather flow was observed at nine outfalls and retests of these outfalls initiated track down procedures for five of the outfalls. Track down at two of these outfalls (Carson Middle and Lorton Station Elementary) concluded that the source was groundwater seepage into the pipe and further investigation was not necessary. These track down reports are included in Appendix C. Track down evaluations are continuing at three outfalls at Langley, Oakton and Westfield. A summary of the dry weather screening results is provided in Appendix C.

Summary of illicit discharge investigations

Location	Date observed	Resolution	Date closed
Carson Middle School, Outfall STMN0244515329	6/8/16	Track down investigation found source was groundwater seepage	7/11/16
Lorton Station Elementary School, Outfall STMN1074052345	5/26/16	Track down investigation found source was groundwater seepage	6/14/16
Langley High School, Outfall STMN0223405550	6/8/16	Track down ongoing	Pending
Westfield High School, Outfall STMN0432513605	6/9/16	Track down ongoing	Pending
Oakton High School, Outfall STMN0481035072	6/7/16	Track down ongoing	Pending
Brookfield Elementary School	2/24/16	Illicit discharge of transformer oil observed. Virginia Power conducted clean up and replaced transformer that day.	2/24/16

BMP 3.E – Storm Drain Marking Program

FCPS continued to promote its storm drain marking program in an effort to engage volunteers and reduce the incidence of direct dumping of materials down storm drains.

Measure of Effectiveness

During the reporting period, 412 storm drains were marked by 8 volunteers. An article on storm drain marking at Waples Mill Elementary is provided in Appendix C.

BMP 3.F – Promote Recycling to Reduce Trash

FCPS continued to encourage recycling by students through the Get2Green program to reduce trash generation. The Get2Green website (<http://get2green.fcps.edu/recycle.html>) showcases FCPS efforts to encourage recycling through posters and dashboards for each school that track recycling efforts by percent of trash and pounds collected.

Measure of Effectiveness

During the 2015 – 2016 school year, FCPS recycled 6,311,470 pounds of material. Screen shots of the Get2Green Recycling webpage and a recycling dashboard example are included in Appendix C.



3.4 Construction Site Stormwater Runoff Control (MCM #4)

The following table is a summary of ongoing activities and new activities performed during the 2015 - 2016 reporting period for MCM #4 and their completion status.

BMP/Task	Year	Measurable Goal	Status
4.A - Legal Authorities Utilized to Ensure Compliance			
Comply with all local legal authorities.	All	Comply with all local legal authorities, as applicable.	Complete
4.B - Plan Review and Approval Procedures			
Comply with all local plan review and approval procedures.	All	Locality where project is occurring is responsible for plan review and approval.	Complete
4.C - Inspection and Enforcement Procedures			
Comply all local inspection and enforcement procedures.	All	Locality where project is occurring is responsible for inspecting projects.	Complete
4.D - Public Complaint Reporting Mechanism			
Post permit and contact information as required by regulation and assist with reported complaints.	All	Complaints of land disturbing activities are received and tracked by the locality in which the activity takes place.	Complete
4.E - Land Disturbing Activities Tracking System			
Provide information about land disturbing activities to the appropriate local government for their annual reports.	All	Land disturbing activities are regulated and tracked by the locality where the activities occur.	Complete

BMP 4.A – Legal Authorities Utilized to Ensure Compliance

Land-disturbing activities performed by FCPS are treated the same way as a private entity by the locality in which the activity is occurring. This includes reviewing all FCPS erosion and sediment control plans, inspecting construction projects, and enforcement action against non-compliant construction and land disturbing activities. FCPS includes language in bid specifications requiring the onsite contractor to provide adequate erosion and sediment control measures and meet applicable regulatory requirements.

Measure of Effectiveness

FCPS complied with all local legal authorities, as applicable, and included language in bid specifications as a legal requirement. A sample bid specifications document is provided in the program plan.

BMP 4.B – Plan Review and Approval Procedures

Localities consider FCPS as a private entity for the purpose of reviewing and approving construction site stormwater runoff controls. FCPS plan submission and review must adhere to the same plan review and approval procedures as private developers.

Measure of Effectiveness

FCPS site development plans are reviewed and approved by the locality where the project is occurring.

BMP 4.C – Inspection and Enforcement Procedures

Localities inspect FCPS projects for compliance with local ordinance requirements. Inspection reports are provided to the onsite contractor. FCPS designates the onsite contractor as the responsible land disturber for capital projects in accordance with Title 62.1, Chapter 3.1, Article 2.4 of the Code of Virginia.

Measure of Effectiveness

FCPS staff performs random inspections of construction projects as part of contract oversight; however, they do not conduct inspections to meet construction general permit, Virginia Erosion and Sediment Control Program (VESCP), Virginia Stormwater Management Program (VSMP), or MS4 requirements. The locality where the project occurs is responsible for inspecting FCPS projects for compliance with state and local erosion and sediment control and VSMP regulations and provides reports to the onsite contractor.

BMP 4.D – Public Complaint Reporting Mechanism

FCPS complies with public notice requirements in Part II C of the construction general permit by conspicuously posting a copy of the notice of coverage letter near the main entrance of the construction activity upon commencement of land disturbance. In addition, many localities maintain a public complaint reporting mechanism that the public can use to report erosion and sediment control or pollution prevention issues originating from land-disturbing activities.

Measure of Effectiveness

Complaints for land-disturbing activities are maintained by the locality where the project is occurring.

BMP 4.E – Land Disturbing Activities Tracking System

As with private developers, information regarding land-disturbing activities associated with FCPS projects are tracked by the locality where they occur.

Measure of Effectiveness

FCPS projects are regulated and tracked by the locality in which the land-disturbing activity occurs. These land disturbing activities have not been reported in previous annual reports to avoid double-counting. DEQ requested this information be submitted in the PY2 annual report in a comment letter dated February 5, 2016.

While DEQ has requested this information from FCPS, it is important to note that FCPS is not a VESCP or VSMP authority and therefore, does not administer a VESCP or VSMP. FCPS complies with the construction requirements of the VESCP/VSMP authority in which a FCPS construction project occurs. Therefore, the VESCP/VSMP authorities (Fairfax County, Towns of

Herndon and Vienna, etc.) include the data for FCPS construction projects in their VESCP, VSMP and MS4 annual reports.

The numbers reported below are based on Fairfax County records and will also be included in the numbers reported in the County's MS4 annual report. No land disturbing activities took place during the reporting period in other VESCP/VSMP authorities.

Total number of regulated land-disturbing activities (per administering authority):	Fairfax County: 23
Total number of acres disturbed (per administering authority):	Fairfax County: 188.2
Total number of inspections conducted (per administering authority):	Fairfax County: 650
Number and type of enforcement actions taken (per administering authority):	Fairfax County: <ul style="list-style-type: none"> ○ 28 E&S Inspection Reports with specific items to correct ○ 22 VSMP Inspection Reports with specific items to correct ○ 2 VSMP Violations

3.5 Post-Construction Stormwater Management (MCM #5)

The following table is a summary of ongoing activities and new activities performed during the 2015 - 2016 reporting period for MCM #5 and their completion status

BMP/Task	Year	Measurable Goal	Status
5.A - Long Term Operation and Maintenance of BMP Facilities			
Implement Fairfax County SOP for long-term operation and maintenance of stormwater facilities.	2-5	Review and implement the SOP.	Complete
Inspect all stormwater facilities in accordance with Fairfax County requirements.	2-5	Report the number of stormwater facilities inspected each year and the number and type of facilities maintained, if applicable.	Complete
5.B - Stormwater Facility BMP Tracking Database			
Maintain the stormwater facility tracking database.	All	Provide a list of new stormwater facilities brought online during the reporting period.	Complete
Update the stormwater facility database to include new information required by the permit.	2-5	Report on progress of updating existing facility information.	Complete

BMP 5.A – Long Term Operation and Maintenance of BMP Facilities

Fairfax County DPWES inspects FCPS ponds every two years and non-ponds annually per the Maintenance and Stormwater Management Division (MSMD) SOP provided in the updated program provided with this submittal under separate cover, which captures this “Alternative Schedule”. The County performs maintenance of stormwater facilities, which includes removing trash, sediment, and debris from the trash rack, control structures, and all inflow channels leading to control structures.

Measure of Effectiveness

This table provides the number of stormwater facilities inspected and maintained. Since Fairfax County DPWES inspects and ensures that FCPS stormwater management facilities are properly maintained, no enforcement actions were taken.

Number of facilities inspected:	108
Number and type of facilities maintained (routine maintenance):	196 (35 ponds, 37 bioretention facilities, 113 Filterra/Treebox Filter facilities, 5 vegetated swales and 6 permeable pavement facilities)
Number and type of facilities maintained (non-routine maintenance):	20 (1 pond, 3 bioretention facilities, 11 Filterra/Treebox Filter facilities, 4 sand filters and 1 underground detention facility)

BMP 5.B – Stormwater Facility BMP Tracking Database

Fairfax County STW maintains the tracking database on behalf of FCPS. The County's database was developed to track all permanent stormwater facilities and collects necessary information for inspecting and reporting.

Measure of Effectiveness

A table providing the stormwater facilities that FCPS implemented during the current reporting period is provided in Appendix D. This spreadsheet will also be provided to the Department electronically as required by Section II.B.5.e of the General Permit (Stormwater management facility tracking and reporting requirements).

3.6 Pollution Prevention/Good Housekeeping for Municipal Operations (MCM #6)

The following table is a summary of ongoing activities and new activities performed during the 2015 - 2016 reporting period for MCM #6 and their completion status

BMP/Task	Year	Measurable Goal	Status
6.A - Sweeping Projects			
Annual parking lot sweeping.	All	Provide an estimate of total material collected during the reporting period.	Complete
6.B – Good Housekeeping Standard Operating Procedures for Daily Operations			
Develop daily operations SOPs.	2	Include written SOPs in the PY3 annual report.	Complete
6.C – Stormwater Pollution Prevention Plans for High-Priority Facilities			
Develop list of high-priority facilities requiring SWPPPs.	1	Provide list and status of SWPPP development.	Complete
6.D - Turf and Landscape Nutrient Management Plans			
Develop list of locations requirement NMPs.	1	Provide list of NMP locations.	Complete
Develop and implement NMPs.	2-5	Summary report on the development and implementation of NMPs, including the total acreage of land requiring NMPs and acreage upon which NMPs have been implemented.	Complete
6.E - Training on Recognition and Reporting Illicit Discharges			
Provide training on illicit discharges.	2 and 4	List of training events, dates, number of staff attending and objectives.	Complete
6.F - Training on Good Housekeeping and Pollution Prevention			
Provide training on pollution prevention and good housekeeping.	3 and 5	List of training events, dates, number of staff attending and objectives.	Complete
6.G - Certification for Pesticide and Herbicide Applicators			
Ensure proper training or certification for pesticides and herbicides.	All	Provide list of staff and associated certification(s), as applicable.	Complete
Contract language or written certification for contractors.	2-5	Provide revised Friends of the Field agreements	Complete

6.H - Proper State Certification for Erosion and Sediment Control			
Ensure designation of Registered Land Disturber for projects.	All	Confirm compliance with erosion and sediment control program requirements and designation of an RLD for all FCPS projects.	Complete
6.I - Spill Response Training for Emergency Personnel			
Ensure applicable spill training or certification for emergency response staff.	All	List of training events held, the training date, and the number of employees attending or certification program completed.	Complete
6.J – Contractor Oversight Procedures			
Revise contractor language for SOPs.	3-5	Following development of SOPs for Daily Operations (PY3 program plan update), document revised contractual language.	Complete

BMP 6.A – Sweeping Projects

FCPS continued to implement sweeping using a Fairfax County DPWES contract on FCPS properties as an effective way to remove trash and particulates from impervious surfaces that could enter the storm sewer system.

Measure of Effectiveness

During PY3, approximately 546 cubic yards were collected through sweeping operations at FCPS facilities. Using an estimated conversion factor of 0.34 ton per cubic yard based on an analysis of Arlington County’s street sweeping program, the 546 cubic yards is approximately equivalent to 186 tons of debris recovered.

BMP 6.B – Good Housekeeping Standard Operating Procedures for Daily Operations

FCPS developed SOPs for daily operations during PY 2. These SOPs will be implemented in PY3 – PY5 and training will be incorporated into the biennial pollution prevention and good housekeeping training (BMP 6.F).

Measure of Effectiveness

During PY2, SOPs were developed for the following:

- Outdoor Storage
- Equipment Maintenance
- Landscape and Grounds

These SOPs are included in the program plan.

BMP 6.C – Stormwater Pollution Prevention Plans for High-Priority Facilities

FCPS has identified one high-priority facility that requires the development and implementation of a SWPPP.

Measure of Effectiveness

A SWPPP was developed and implemented at the Woodson Complex in accordance with the schedule provided in the program plan. SWPPP training was held on March 19, 2015

BMP 6.D – Turf and Landscape Nutrient Management Plans

FCPS has developed a list of turf and landscape areas greater than one contiguous acre that receive nutrients and for which nutrient management plans (NMPs) will be developed. This list is provided in the program plan. During this permit year, FCPS has continued to refine the list of locations and acreage where NMPs are required through field mapping and tracking of FCPA and Friends of the Field nutrient applications. The list has also been revised to remove turf fields when they are replaced with new synthetic fields. The latest version of the list is more detailed, with the required information tracked for each playing field greater than one acre where nutrients are applied. This allows for better tracking of changes in nutrient application status for each field. The latest list is in the program plan.

Measure of Effectiveness

FCPS is developing and implementing NMPs in accordance with the schedule provided in the program plan. In PY3, NMPs must be developed for no less than 40% of identified acres. A list of the FCPS facilities where NMPs have been completed is included in Appendix E.

School Type	Total Identified Acreage by School Type	Completed NMP Acreage by School Type	Percent complete
Elementary	29.59	24.17	82%
Middle	10.68	7.78	73%
High/Secondary	94.82	21.82	23%
Other	4.44	4.44	100%
Total	139.53	58.21	42%

BMP 6.E – Training on Recognition and Reporting of Illicit Discharges by Field Personnel

FCPS provides information on illicit discharges to bus drivers and custodians through the distribution of posters around the workplace. Training on Recognition and Reporting of Illicit Discharges is conducted biennially in PY2 and PY4. This training was not performed in PY3.

Measure of Effectiveness

A copy of the Custodial “Notice” poster is provided in Appendix E.

BMP 6.F – Training on Good Housekeeping and Pollution Prevention for Maintenance, Public Works, and Recreation Facility Staff

FCPS provides training on good housekeeping and pollution prevention through an on-line video course for maintenance, public works and recreation facility staff. This training is biennial and provided in PY3 and PY5.

Measure of Effectiveness

FCPS trained 67 staff in good housekeeping and pollution prevention through the on-line course. Documentation of the staff enrollment and completion is provided in Appendix E.

BMP 6.G – Certification for Pesticide and Herbicide Applicators

FCPS ensures that staff, as well as community groups and contractors that may apply pesticides and herbicides receive the proper state certification through the Virginia Department of Agriculture and Consumer Services (VDACS).

Measure of Effectiveness

FCPS has met this requirement. Pesticide applicator certifications are provided in Appendix E.

BMP 6.H – Proper State Certification for Erosion and Sediment Control

FCPS ensures that applicable staff and site contractors hold the proper erosion and sediment control certifications from the state. A responsible land disturber must be designated for all FCPS projects in order for a site permit to be issued by the locality in which the project is located. Contractors submit paperwork with the appropriate locality to become the responsible land disturber once they are under contract.

Measure of Effectiveness

Certifications for applicable FCPS staff are maintained on file and available to DEQ for inspection.

BMP 6.I – Spill Response Training for Emergency Personnel

FCPS provides spill response training to staff with the Office of Safety and Security annually.

Measure of Effectiveness

Training was conducted on June 9, 2016 for two staff.

BMP 6.J – Contractor Oversight Procedures

FCPS will ensure that contractors performing work on behalf of FCPS use appropriate pollution prevention and good housekeeping measures.

Measure of Effectiveness

FCPS developed good housekeeping SOPs in PY2 (see BMP 6.B). FCPS provides the SOPs to contractors that perform work related to outdoor storage, equipment maintenance and landscape and grounds maintenance. FCPS reviewed its bid documents and determined that the current

wording is sufficient to ensure that contractors follow state and local regulations. The bid document wording is as follows: ““This solicitation is subject to all state and local laws, policies, resolutions, regulations, and all accepted rules, regulations and limitations imposed by legislation of the Federal Government.”

4. Results of Information Collected and Analyzed

No information, including monitoring data, was required to be collected or analyzed under the FCPS PY3 requirements.

5. Summary of Year 4 Planned Activities

Part II E 3 of the general permit requires a summary of the stormwater activities that FCPS plans to undertake during the next reporting cycle to meet PY4 measureable goals. The following table summarizes by MCM the new planned activities to meet PY4 requirements. FCPS will also continue to implement all ongoing activities as described in this annual report and the updated MS4 program plan.

Permit Requirement	Year	BMP/Task
Minimum Control Measure #1 – Public Education and Outreach		
Permit Section II B.1.	4	<ul style="list-style-type: none"> Continue to implement ongoing activities.
Minimum Control Measure #2 – Public Involvement / Participation		
Permit Section II B.2.	4	<ul style="list-style-type: none"> Continue to implement ongoing activities.
Minimum Control Measure #3 – Illicit Discharge Detection and Elimination		
Permit Section II B.3.	4	<ul style="list-style-type: none"> Continue to implement ongoing activities.
Minimum Control Measure #4 – Construction Site Stormwater Runoff		
Permit Section II B.4.	4	<ul style="list-style-type: none"> Continue to implement ongoing activities.
Minimum Control Measure #5 – Post Construction Stormwater Management		
Permit Section II B 5	4	<ul style="list-style-type: none"> Continue to implement ongoing activities.
Minimum Control Measure #6 – Pollution Prevention and Good Housekeeping		
Permit Section II B 6.	4	<ul style="list-style-type: none"> Continue to implement ongoing activities. Conduct biennial training on recognition and reporting of illicit discharges. Conduct annual spill response training
Special Conditions – Chesapeake Bay TMDL and Other Approved TMDLs		
Permit Section I B.	4	<ul style="list-style-type: none"> Implement TMDL action plans.

6. Changes in Identified BMPs or Measurable Goals

The updated version of the program plan is provided with this annual report under separate cover. FCPS will continue to update the program plan based on the Table 1 schedule in the permit and provide the updates with the associated annual reports. The following table provides a cross-reference to the associated subsections of the program plan where the updates are addressed:

Special Conditions	
<i>Subsection</i>	<i>Update</i>
Appendices G and I	<ul style="list-style-type: none"> • Appendix G, Benthic TMDL Action Plan was updated to incorporate the Benthic TMDL for Difficult Run, Virginia approved by the Board on April 27, 2009 • Appendix I, Bacteria TMDL Action Plan was added to address bacteria TMDLs approved after July 9, 2008: <ul style="list-style-type: none"> ○ Bacteria TMDL for the Difficult Run Watershed ○ Bacteria TMDLs for the Hunting Creek, Cameron Run, and Holmes Run Watersheds ○ Bacteria TMDL for the Lower Accotink Creek Watershed ○ Bacteria TMDLs for Popes Head Creek, Broad Run, Kettle Run, Little Bull Run, Bull Run and the Occoquan River
MCM #5 – Pollution Prevention / Good Housekeeping	
<i>Subsection</i>	<i>Update</i>
BMP 5.A and Appendix C	<ul style="list-style-type: none"> • Update of post-construction stormwater inspection and maintenance policies and procedures
MCM #6 – Pollution Prevention / Good Housekeeping	
<i>Subsection</i>	<i>Update</i>
BMP 6.A	<ul style="list-style-type: none"> • Update of responsibility for sweeping program from Fairfax County to FCPS
BMP 6.D	<ul style="list-style-type: none"> • Update of locations requiring an NMP to reflect better information on acreage where nutrients are applied.

7. Reliance On Other Government Entities

FCPS participates with local governments and other public entities through the Northern Virginia Regional Commission (NVRC) Clean Water Partners program to conduct regional educational and outreach. This effort is discussed in Section 3 under BMP 1.A. FCPS relies on the assistance of Fairfax County DPWES to perform dry weather outfall screening discussed in Section 3 under BMP 3.C. Additionally, FCPS relies on Fairfax County STW for stormwater management facility inspections and database management, and to access a contract to conduct sweeping projects discussed in Section 3 under BMP 5.A and BMP 6.A, respectively. A letter of continued support is included in this Annual Report as Appendix F while both Fairfax County and FCPS work towards a final MOU.

8. Approval Status of Qualifying Local Programs

Unlike a locality, FCPS does not have state enabling authority to regulate land-disturbing activities, administer an erosion and sediment control program, or adopt ordinances and other enforcement mechanisms. FCPS is regulated in the same manner as a private developer by the locality where the land-disturbing activity is taking place and must comply with all local codes and ordinances. Therefore the locality where the project is taking place administers local erosion and sediment control and VSMP requirements for land disturbing activities through review of required plan elements, along with inspection and enforcement of a site-specific stormwater pollution prevention plan (SWPPP) for the project.

9. Special Conditions Associated with Approved TMDLs

Section I of the MS4 permit requires FCPS to develop action plans to address TMDLs where a wasteload allocation (WLA) has been assigned to the FCPS MS4.

The Chesapeake Bay TMDL Action Plan is included in the updated program plan provided under separate cover. FCPS is also subject to five separate TMDL WLAs for sediment in two segments of Bull Run, a segment on Difficult Run and two segments of Popes Head Creek as well as a WLA for polychlorinated biphenyls (PCBs) for the Tidal Potomac River. FCPS developed one action plan for the sediment TMDLs and one action plan for the PCB TMDL included in the updated program plan.

In PY3, FCPS developed an action plan for bacteria to address *E. coli* TMDL WLAs approved for segments of Difficult Run, Lower Accotink Creek, Hunting Creek, Cameron Run, Hunting Creek, Popes Head Creek and Bull Run. The action plan identifies best management practices and other interim milestone activities that will be implemented during the permit term. Any new or modified requirements will be considered and incorporated as applicable.

It is anticipated that FCPS will work cooperatively with Fairfax County to meet the Chesapeake Bay TMDL and other TMDL requirements. In addition, the sediment TMDL action plans for Bull Run, Difficult Run and Popes Head Creek will be coordinated with the total suspended solids (TSS) component of the Chesapeake Bay TMDL Action Plan.

FCPS has already integrated efforts into the updated program plan related to public outreach about bacteria pollution from anthropogenic sources.

10. Evaluation and Assessment of BMPs

In accordance with Section II E.3.b of the MS4 permit, FCPS has reviewed and assessed the BMPs established to meet the requirements of the permit and program plan for this reporting period and have found them to be appropriate and effective. Required updates to the program plan are summarized in Section 6. The updated program plan is submitted with this annual report under separate cover.

APPENDIX A

Summary of School Curriculum

NVRC Clean Water Partners Reports

APPENDIX B

MS4 Webpage Screen Capture

Get2Green Webpage Screen Capture and List of Events

Summary of FCPS Events

Schoolyard Stewardship Mini Grant Information and Projects Awarded

NoVA Outside School Environmental Action Showcase Information

APPENDIX C

Dry Weather Outfall Screening Results

Track Down Reports

Storm Drain Marking Information

Get2Green Recycling Webpage and Dashboard Example

APPENDIX D

Stormwater Management Facilities Brought Online

APPENDIX E

Nutrient Management Plan Locations and Planning Status

Custodial “Notice” No Dumping Poster

Pollution Prevention and Good Housekeeping Training Tracking Sheet

Pesticide applicator certifications

APPENDIX F

Letter of Continued Support from Fairfax County

APPENDIX A

Summary of School Curriculum

NVRC Clean Water Partners Reports

Fourth Grade Science

Year at a Glance

Living Systems

Plants

- Physical Characteristics.
- Life Needs.
- Life Cycle.

Photosynthesis Pollination

- Flower Structure.

Germination

- Seed Structure.
- Dormancy.

Ecosystem

- Adaptations.
- Community.
- Food Web.

Earth and Space

Weather

- Forecast.
- Instruments.
- Clouds.
- Storms.
- Water cycle.

Earth patterns, cycles and changes

- Revolution.
- Rotation.
- Seasons.
- Phases of the moon.

Virginia's Natural Resources

- Watershed.
- Animals and plants.
- Forests.
- Rocks, soils, and minerals.

Physical

Electricity

- Circuits.
- Conductors.
- Insulators.
- Magnets.
- Electromagnets.

Objects in Motion

- Direction and speed.
- Force.
- Friction.

Investigation

Observation

- Tools.

Experimentation

- Hypothesis.
- Variables.
- Constant.
- Control.
- Repeated trial.

Prediction Data Collection

- Classification.
- Graphing.
- Note-taking.
- Inference and conclusion.

Measurement

Nonstandard

Standard

- Metric system.
- English system.

Temperature

- Celsius.
- Fahrenheit.

Time

- Second.
- Minute.
- Hour.
- Day.
- Month.
- Year.

7th Grade Science

Cells

- [Cells alive](#)

Exploring Heredity and Diversity

- [DNA and Genetics](#)

Understanding Populations and Ecosystems

- [Biomes](#)
- [More about biomes](#)

Chesapeake Bay

- [The Chesapeake Bay Foundation](#)
- [Chesapeake Bay Program](#)
- [The Bay Journal](#)

Fifth Grade Science

Year at a Glance

Living Systems

Plant Cell

- Structure.
- Function.

Animal Cell

- Structure.
- Function.

Kingdoms

- Eubacteria.
- Archaeobacteria.
- Protista.
- Fungi.
- Plantae.
- Animalia.

Earth and Space

Earth

- Layers.
- Pangaea.
- Fossils.
- Plate tectonics.
- Earthquakes.
- Volcanoes.
- Rock cycle.

Oceans

- Geological characteristics.
- Physical characteristics.
- Ecosystems.

Weathering

- Acid rain.
- Erosion.

Physical

Light

- Visible spectrum.
- Refraction
- Reflection
- Opaque
- Transparent
- Translucent
- Optical Tools

Sound

- Frequency
- Waves
- Vibration

Matter

- Solid, liquid, and gas.
- Mixture.
- Solution.
- Compound.

Investigation

Observation

- Tools.

Experimentation

- Hypothesis.
- Variables.
- Constant.
- Control.
- Repeated trial.

Prediction Data Collection

- Classification.
- Graphing.
- Note-taking.
- Inference and conclusion.

Measurement

Nonstandard

Standard

- Metric system.
- English system.

Temperature

- Celsius.
- Fahrenheit.

Time

- Second.
- Minute.
- Hour.
- Day.
- Month.
- Year.

Stay updated with what's happening at FCPS with *News You Choose*

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7th Grade Science

Cells

- [Cells alive](#)

Exploring Heredity and Diversity

- [DNA and Genetics](#)

Understanding Populations and Ecosystems

- [Biomes](#)
- [More about biomes](#)

Chesapeake Bay

- [The Chesapeake Bay Foundation](#)
- [Chesapeake Bay Program](#)
- [The Bay Journal](#)



Northern Virginia Clean Water Partners

2016 Summary

WORKING TOGETHER FOR HEALTHY STREAMS AND RIVERS

Polluted stormwater runoff is the number one cause of poor water quality in streams and rivers in Northern Virginia. When it rains, the water runs off streets, yards and parking lots and picks up pesticides, grass clippings, fertilizer, bacteria, and oil from driveways and parking lots. All of this pollution enters the storm drains on the street and is discharged directly to a stream. The runoff is not filtered or sent to a wastewater treatment facility.

To reduce the impacts of stormwater pollution, the Northern Virginia Clean Water Partners came together to change human behaviors through a public education campaign.

About the Partnership

The Northern Virginia Clean Water Partners is comprised of a group of local governments, drinking water

and sanitation authorities, and businesses working together to inform individuals about the pollution potential of common activities, so that individuals can take direct action to reduce pollution.

To meet this goal, the Partners work together to:

- Identify high priority water quality issues for the region;
- Identify the target audience(s) for outreach;
- Educate the region's residents on simple ways to reduce pollution around their homes;
- Monitor changes in behavior through surveys and other data collection techniques; and
- Pilot new cost-effective opportunities for public outreach and education.

Membership is voluntary and each member pays annual dues to fund

the program. By working together the partners are able to leverage their funds to develop and place bilingual educational products with common messages and themes, thereby extending the campaign's reach.

Only Rain Down the Storm Drain is the motto of the partnership.

The 2016 campaign satisfied MS4 (Municipal Separate Storm Sewer System) Phase I and Phase II permit requirements for stormwater education and documenting changes in behavior.

For more information visit www.onlyrain.org



2016 Campaign Overview and Accomplishments

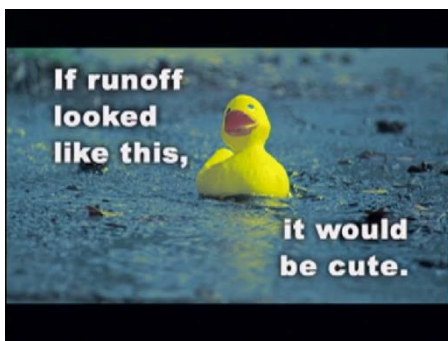
In 2016, the Northern Virginia Clean Water Partners selected the following three high priority water quality issues to focus on for the Campaign:

- bacteria,
- nutrients, and
- illicit discharge of chemical contaminants.

The Partners identified the target audiences for these issues as pet owners, homeowners with a lawn or garden, and home mechanics.

The Campaign used television, print, internet advertising and the Only Rain Down the Storm Drain website to distribute messages linked to specific stormwater problems, such as proper pet waste disposal, over fertilization of lawns and gardens and proper disposal of motor oil.

In addition to the multi-channel media campaign, partners participated in local events to raise awareness and encourage positive behavior change in residents. The television and internet ads featured the well known national symbol of non-point source pollution; the rubber ducky.



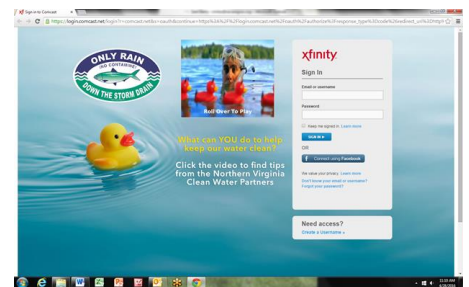
16,750,236	Total household television impressions*
1,381,317	Total digital impressions (internet banner ads and in-stream video ads)
41,434	Number of times the ads aired on July 2015- June 2016
37,489	Visits to the www.onlyrain.org website
500	Online Annual Survey Responses
75%	Percent of target audience reached

**Impressions are the number of times an ad appeared on a single television or computer screen.*

Throughout the campaign year, the Partners made the following efforts to educate the public and promote awareness of stormwater pollution:

- From July 2015 through June 2016, aired four Public Service Announcements on 32 English language cable TV channels, and four Spanish speaking channels a total of 41,434 times. The ads featured messages on the importance of picking up pet waste and general household stormwater pollution reduction measures aired
- The campaign also featured banner ads on Xfinity.com and Cox.com websites that promote the same messages as the cable TV ads.

- Featured two full day, full page ads for Only Rain on the sign-in pages for Xfinity.com.



- Conducted an online survey of 500 Northern Virginia residents to determine the effectiveness of the ads, aid in directing the future efforts of the campaign, and to reveal any changes in behavior.
- Continued to update and maintain the Northern Virginia Clean Water Partners website.

Annual Survey Highlights

Findings in the 2016 survey include:

- 16% of respondents recalled seeing the ad after watching the video.
- Of those who recalled the ads, 18 percent state they now pick up their pet waste more often, eight percent state that they now properly dispose of motor oil, and 14 percent state they plan to fertilize fewer times per year.
- When shown the Only Rain Down the Storm Drain logo, 61 percent of the respondents recognized it compared to 54 percent in 2013. This increase is statistically significant and indicates that awareness of the logo has increased over time.
- The two channels that were most strongly associated with recall of the ad were Cartoon Network and Animal Planet. In fact, the highest numbers of impressions (2.8 million) were delivered on Cartoon Network.
- In a new question for 2016 to understand the barriers to taking action, 40 percent of the respondents felt they were most prevented from taking action to protect clean water because they didn't know what to do.
- In another new question added in 2016, approximately one-third (34%) indicated that email newsletters with reminders and quick tips and/or online resources would help them take action to protect clean water.
- Interestingly, the number of respondents who prefer to receive information from online sources has decreased from a high of 57 percent in 2012 to 40 percent in 2016. Television (19%), newspaper and community newsletters were equally preferred information sources. This suggests that a future outreach effort might include reaching homeowners through their Community Associations.

Understanding Behaviors

In addition to capturing responses to questions regarding the effectiveness of the campaign, this year's survey honed in on the current behaviors and attitudes of Northern Virginia residents as they relate to pet waste management, lawn care, and motor oil disposal. Responses to these questions support the development of future messages and targeted promotion.



Main cause of water pollution...

Survey respondents ranked fertilizers and pesticides as the #1 cause of water pollution.



Where stormwater goes...

79 percent of residents surveyed stated that stormwater goes to the Potomac River, the Chesapeake Bay, or to local streams.

90% stated the actions of individuals are important in protecting water quality in local streams, the Potomac River, and the Chesapeake Bay.

70% would be more likely to take actions to reduce the amounts of pollutants they personally put into storm drains, after learning that polluted water runoff is the number one cause of local water pollution.

95% believe it is important for local governments to spend more money on protecting water quality.

The most important reason dog owners are motivated to pick up their pet's waste is because "It's what good neighbors do". The number of respondents choosing "It causes water pollution" as the most important reason to pick it up has fluctuated but remains the third most common reason.

Consistent with the past five years, almost a third of lawn and garden owners fertilize their lawns two or more times per year. An equal number never fertilize their lawns. Among those who fertilize once a year, 18 percent fertilize in the spring and only seven percent fertilize in the fall. This suggests that there is room to educate residents of Northern Virginia that fertilizing in the fall is better for local waterways.

About half of the respondents reported using an herbicide to treat weeds in their lawn or garden.

Among those who fertilize their lawn, 70 percent have never had or were not sure if their soil had been tested for fertility or pH and fifty nine percent reported using a slow release fertilizer.

Consistent with the past five years, the majority of respondents take their vehicle to a service station for oil changes (79%) or take used oil to a gas station or hazmat facility for recycling (13%). Three percent of Northern Virginians reported storing used motor oil in their garage, placing it in the trash or dumping it down the storm drain.



**Only Rain
Down the
Drain**

www.onlyrain.org

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2016 Northern Virginia Clean Water Partners

- Fairfax County | Arlington County | Loudoun County | Stafford County | Fairfax Water | City of Alexandria | Loudoun Water | City of Fairfax | Town of Herndon | City of Falls Church | Town of Leesburg | Town of Vienna | Town of Dumfries | Doody Calls | Northern Virginia Regional Commission | George Mason University | Virginia Coastal Zone Management Program | Northern Virginia Community College | Fairfax County Public Schools | Prince William County Public Schools | Northern Virginia Soil and Water Conservation District



Northern Virginia Regional Commission

Documentation of reaching desired targets for “Only Rain” Campaign.

Advertising during period of July 1, 2015 through June 30, 2016

August 16, 2016



Prepared by Patrick Castro
Research Supervisor, Comcast Spotlight -Washington DC

NORTHERN VIRGINIA REGIONAL COMMISSION

This document provides support that 20% of each target audience has been reached by the advertising campaign enacted by the Northern Virginia Regional Commission.

This is the third year that the Northern Virginia Regional Commission “Clean Water Partners” have partnered with Comcast Spotlight to target localities in Virginia. In support of the “Only Rain” campaign, we have targeted localities in the following counties:

- Alexandria
- Arlington
- Fairfax County
- Fairfax City
- Falls Church
- Loudoun County
- Stafford County

In targeting these areas, the Potomac geographic super zone, Alexandria trade zone, Fairfax County-Reston trade zone and the Fairfax North, South and West trade zones were used to reach target customers for three segments of residential customers:

- Lawn Care (fertilizers)
- Personal Auto Care (oils and lubricants)
- Pet Waste (dog waste)

In this campaign, English Language Networks, Spanish Language Networks and the digital platforms Xfinity.com, Cox.com, ERN (Extended Reach Network) and CSV+ were used to further reach customers within these segments across each locality. For high impact placement, unique opportunities such as Home Page Takeovers, Sports and the Olympics. However, due to limitations of data, only the English Language Networks and Xfinity.com are included for in-depth analysis.

Please note that Dumfries receives coverage from the Potomac super zone, but is not included in the analysis due to a limitation of data.

We will be reference the 2015 analysis provided to the Northern Virginia Regional Commission as “the 2015 study.” Additionally, the 2015 points of analysis have been included in the appendix.

Trade Zone Definitions:

The Fairfax County trade zone represents Cox Cable households in the county of Fairfax and independent cities of Fairfax City and Falls Church. This trade zone additional represents Comcast households in the city of Reston.

Northern Virginia Regional Commission

The Fairfax Zone (syscode 9794) trade zone used in the 2015 study represented Verizon FiOS households in the county of Fairfax and independent cities of Fairfax City and Falls Church. In Fall 2016, the Fairfax Zone trade zone was restructured into the following three (3) strategic trade zones for enhanced geographic targeting:

- Fairfax North
- Fairfax South
- Fairfax West

The Potomac super zone represents all Verizon FiOS households across the Greater Washington DC Region. This differs from the Fairfax trade zones in that the network offerings are expanded. For this analysis, we are limiting our scope of data to the counties/ independent cities of Arlington, Fairfax County, Fairfax City, Falls Church, Loudoun and Stafford

The Alexandria trade zone represents Comcast households in the independent city of Alexandria.

Northern Virginia Regional Commission

Table of Contents:

1. Advertising Response for Target Groups
2. Selection of Advertising Properties
3. Overall Campaign Delivery
4. Overall Campaign Performance – 20% reach of Target
5. Summary

Northern Virginia Regional Commission

Advertising Response for Target Groups

Similar to the analysis provided in both 2014 and 2015, an evaluation of advertising response was provided for each of the three targeted attribute groups in support of the “Only Rain” campaign. While not specific to waste disposal, these attribute groups should represent overall behavior by advertising medium.

The survey questions are from Ad-ology (a nationwide syndicated data service) and are phrased: “Where have you seen/heard an ad in the past 12 months that led you to take action? In 2015 and 2016, Ad-ology’s question requested response in the “past 12 months.” For the 2014 study, the question was “past 30 days.”

“Take action” is defined as: clicking on a banner ad, doing an Internet search, going to the advertiser's website, buying the product advertised, or calling/visiting the advertiser.

As the exact target attribute is not available, the most similarly defined attributes were used.

For Dog Waste: “Dog Owners” was used

For Lawn Care: “Personal Yard Care/ Landscaping Enthusiast” was used

For Auto Care: “Personal Car Maintenance/Restoration” was used

<u>Media</u>	<u>Dog Owners</u>		<u>Personal Yard Care/Landscaping Enthusiasts</u>		<u>Personal Car Maintenance /Restoration</u>	
	<u>Audience %</u>	<u>Rank</u>	<u>Audience %</u>	<u>Rank</u>	<u>Audience %</u>	<u>Rank</u>
Television (over-the-air, online, mobile or tablet)	63.6%	1	60.1%	2	67.6%	1
Ads/Coupons in your mailbox	60.8%	2	65.0%	1	64.5%	2
Sponsored search result (like on Google, Yahoo or Bing)	51.1%	3	48.3%	5	59.7%	3
Emailed ad or newsletter	50.1%	4	50.4%	4	54.4%	5
Newspaper (print, online, mobile or tablet)	49.6%	5	51.4%	3	54.5%	4
Ad on a social network	48.1%	6	40.2%	9	49.6%	10
Daily Deals (like Groupon or LivingSocial)	46.1%	7	43.8%	7	50.2%	8
Radio (over-the-air, online, mobile or tablet)	46.0%	8	41.1%	8	54.0%	6
Magazine (print, online, mobile or on tablet)	45.6%	9	37.9%	10	50.9%	7
Mobile smartphone app or text message	45.0%	10	43.9%	6	49.6%	9

Northern Virginia Regional Commission

In both 2015 and 2016, television advertising (over-the-air, online, mobile or tablet) ranked either #1 or #2 among each of the three attribute groups. In the 2014 study, television ranked #1 and internet banner advertising ranked #4 for each of the three attributes. Differences in the advertising response year over year may have been influenced by how the question is asked with more recent studies reflecting a multiscreen environment.

Selection of advertising properties (networks/platforms)

With television media and internet display and video advertising being among the advertising solutions that Comcast Spotlight offers our clients, we analyzed the three target attributes using the Scarborough Research syndicated data set for the Washington DC DMA (March 2015-March 2016 survey period). In conjunction to pricing this provides guidance on the networks to use. For Dog Waste, we used the attribute of “Own a Dog.” We limited the analysis to the geographic scope identified by Clean Water Partners. This analysis is to show the selected properties helped achieve the target goal of 20% by attribute.

County Of Residence: Alexandria City, VA OR Arlington, VA OR Fairfax City, VA OR Fairfax, VA OR Falls Church City, VA OR Loudoun, VA OR Stafford, VA

TARGET	A18+ Intab 2016
Lifestyle Characteristics: Own a Dog	513
Household Activities: Lawn Care	880
Unpaid/ Personal Labor: Anti-Freeze/Coolant OR Oil Filter/Oil Change	231

SOURCE: Scarborough Research- Washington DC DMA (Base Adults 18+), March 2015-March 2016 survey period.

The above survey respondents in tabulation (“Intab”) are considered significant and therefore can be used for analysis.

Network	Lifestyle Characteristics			Leisure Activities Past 12 Months			Auto Repairs Past Year: Unpaid Labor		
	Own a Dog			Lawn Care			Anti-Freeze/Coolant OR Oil Filter/Oil Change		
	A18+ Reach	Reach %	Index	A18+ Reach	Reach %	Index	A18+ Reach	Reach %	Index
AEN -TV	95,372	23.0%	139	144,064	21.3%	129	37,160	17.8%	108
AMC -TV	65,741	15.9%	122	106,923	15.8%	121	26,060	12.5%	96
APL -TV	36,775	8.9%	81	70,894	10.5%	96	38,718	18.6%	169
BRVO-TV	44,098	10.6%	125	63,215	9.3%	110	24,718	11.8%	139
CMT -TV	12,271	3.0%	126	19,839	2.9%	125	3,924	1.9%	80
CNN -TV	106,002	25.6%	104	196,988	29.1%	118	38,918	18.6%	76
CSNM-TV	27,875	36.0%	138	50,450	65.1%	154	12,644	16.3%	125

COX.COM	28,893	7.0%	203	50,871	7.5%	219	16,223	7.8%	226
DIY -TV	25,664	6.2%	133	52,554	7.8%	167	3,145	1.5%	32
DXD -TV	415	0.1%	68	1,170	0.2%	118	0	0.0%	0
ENT -TV	44,492	10.7%	142	38,490	5.7%	75	20,487	9.8%	130
ESPN-TV	146,023	35.2%	122	249,236	36.9%	128	43,793	21.0%	73
FOOD-TV	79,411	19.2%	118	135,151	20.0%	123	37,621	18.0%	111
FS1 -TV	47,118	11.4%	119	95,678	14.2%	148	25,754	12.3%	129
FX -TV	50,407	12.2%	91	97,893	14.5%	108	30,246	14.5%	108
FXNC-TV	74,571	18.0%	114	159,221	23.5%	149	25,629	12.3%	78
HALL-TV	42,765	10.3%	105	64,170	9.5%	97	18,562	8.9%	91
HIST-TV	94,280	22.7%	107	183,554	27.1%	127	40,178	19.2%	90
HLN -TV	11,112	2.7%	77	25,174	3.7%	107	5,667	2.7%	78
LMN -TV	15,257	3.7%	88	25,632	3.8%	91	8,043	3.9%	93
MNBC-TV	32,839	7.9%	83	82,372	12.2%	128	7,539	3.6%	38
MTV2-TV	7,318	1.8%	81	12,579	1.9%	85	3,364	1.6%	74
NGC -TV	54,402	13.1%	92	107,860	16.0%	112	22,551	10.8%	76
NICK-TV	5,837	1.4%	29	13,283	2.0%	40	15,806	7.6%	155
OWN -TV	9,941	2.4%	78	19,035	2.8%	92	6,971	3.3%	109
OXYG-TV	11,242	2.7%	98	10,162	1.5%	54	3,238	1.6%	56
SPK -TV	16,161	3.9%	57	61,619	9.1%	134	16,099	7.7%	114
SYFY-TV	26,627	6.4%	69	83,472	12.3%	132	24,853	11.9%	128
TOON-TV	5,085	1.2%	29	22,143	3.3%	77	10,021	4.8%	112
TRU -TV	18,615	4.5%	103	35,418	5.2%	121	5,040	2.4%	56
TVL -TV	25,075	6.0%	119	33,721	5.0%	98	7,338	3.5%	69
USA -TV	93,837	22.6%	130	108,098	16.0%	92	41,425	19.8%	114
VH1 -TV	15,455	3.7%	70	18,445	2.7%	51	6,193	3.0%	56
WETV-TV	7,074	1.7%	81	11,141	1.6%	78	4,906	2.4%	112
XFINITY/Comcast	67,988	16.4%	67	90,093	13.3%	54	42,016	20.1%	82

These 31 television networks and online digital properties were used to reach NVRC's desired targeted groups. These commercials did not air on each network simultaneously, and differed by trade zone and by month.

The Spanish language networks of Galavision (GALA), CNN en Español (CNNE), ESPN Deportes (ESPD) and FOX Deportes (FOX) were utilized to target the Hispanic audiences within the target localities.

Additionally, CSV+ was utilized in conjunction with Xfinity.com. Cox.com and Verizon.net to reach the target audiences. CSV+, a video ad network, provides another opportunity to reach all audiences regardless of Internet Service Provider. Both Spanish language networks and CSV+ were excluded from this analysis.

Northern Virginia Regional Commission

The networks selected for the campaign either over-index or provide a large number of targeted viewers, who were reached at least one time. If a network indexes over 100 for an attribute, it suggests that the network is more likely to deliver that attribute compared to the general population. It is treated as an indicator of value and helps ensure that the campaign will deliver its message to a more qualified audience.

For television networks, the question is positioned as “viewed network past 7 days.” For Xfinity.com and Cox.com the question is positioned as” visited site past 30 days.” The data is collected via self-reporting by 5,767 respondents and is therefore treated as suggestive.

Overall Campaign Delivery

In order to understand performance, the overall number of television homes that viewed a commercial (household impressions) and the number of persons who were exposed to the digital display (person impressions) was analyzed for the period of July 1, 2015 to June 30, 2016.

The television household impressions are taken from Nielsen’s sample estimates for the Washington DC DMA or television marketplace. Since the estimates are derived from a sample, Spanish language networks did not have enough coverage area from which audience estimates could be provided. Therefore this analysis is limited to the English language networks for each zone as well as for internet banner advertisements.

Multiscreen Campaign Summary (07.01.15 – 06.30.16)

	Total	
Multiscreen Campaign Summary	Total Spots	Impressions
8 Geographic TV Ad Zones + Geo-targeted Digital Ad Impressions to Specific Northern VA Territories		
32 Targeted TV Networks	19,508	16,750,236
4 Spanish Networks	21,926	49,512
Online Impression	n/a	1,381,317
TOTALS	41,434	18,181,065

Total Spots and HH Impressions by Network

TOTAL SPOTS & IMPRESSIONS DELIVERED ON EACH NETWORK		
Networks	Total Spots	Impressions
AEN	1,876	351,666
AMC	1,916	600,206
APL	1,312	1,077,492
BRVO	172	42,091
CMT	915	120,529
CNN	160	99,289
CSNM	316	106,498
DIY	915	74,823
DXD	397	468,342
ENT	1,915	429,929
ESPN	168	113,239
FOOD	160	61,799
FS1	397	270,593
FX	1,855	462,215
FXNC	160	161,479
HALL	1,302	1,946,985
HIST	160	29,049
HLN	1,312	447,084
LMN	681	670,407
MASN	6	438
MNBC	160	106,018
MTV2	397	147,334
NGC	1,312	704,029
NICK	391	1,177,303
OWN	2,276	887,258
OXYG	397	259,493
SPK	1,244	293,588
SYFY	1,312	776,096
TOON	1,302	2,829,691
TRU	397	138,100
TVL	1,035	1,050,927
USA	1,302	846,246
Grand Total	27,620	16,750,236

Northern Virginia Regional Commission

Ad Zone Total Spots and HH Impressions by Network

POTOMAC ZONE		
Network	Total Spots	Impressions
AMC	63	156,278
APL	323	656,409
CMT	183	79,220
CSNM	95	76,319
DIY	183	44,779
DXD	140	246,241
ENT	63	105,118
FS1	140	138,052
HALL	319	1,246,692
HLN	323	261,469
LMN	198	376,883
MASN	3	382
MTV2	140	75,925
NGC	323	431,237
NICK	138	592,264
OWN	330	402,847
OXYG	140	131,950
SPK	63	100,950
SYFY	323	486,943
TOON	319	1,748,621
TRU	140	73,370
TVL	268	570,728
Grand Total	4,217	8,002,677

POTOMAC ZONE		
Network	Total Spots	Impressions
CNNE	221	-
ESPD	222	34,354
FOXD	102	-
GALA	225	-
Grand Total	770	34,354

ALEXANDRIA ZONE		
Network	Total Spots	Impressions
AEN	142	16,170
AMC	142	20,414
APL	117	230,675
DXD	117	209,068
ENT	142	13,821
FS1	117	112,179
FX	139	18,675
HALL	115	216,529
HLN	117	111,282
LMN	117	238,350
MTV2	117	57,653
NGC	117	144,980
NICK	115	497,127
OWN	259	157,161
OXYG	117	113,893
SPK	142	11,992
SYFY	117	143,190
TOON	115	504,544
TRU	117	53,675
TVL	118	331,205
USA	98	32,343
Grand Total	2,697	3,234,926

ALEXANDRIA ZONE		
Network	Total Spots	Impressions
CNNE	221	-
ESPD	222	2,371
FOXD	102	-
GALA	225	-
Grand Total	770	2,371

FAIRFAX COUNTY (COX) ZONE		
Network	Total Spots	Impressions
AEN	672	148,333
AMC	682	199,131
APL	323	95,554
BRVO	43	13,249
CMT	183	15,091
CNN	40	31,254
CSNM	95	10,899
DIY	183	10,603
DXD	140	13,033
ENT	681	149,085
ESPN	42	35,645
FOOD	40	19,453
FS1	140	20,362
FX	627	184,101
FXNC	40	50,830
HALL	319	187,387
HIST	40	9,144
HLN	323	36,188
LMN	198	29,336
MASN	3	56
MNBC	40	33,372
MTV2	140	13,756
NGC	323	53,177
NICK	138	87,912
OWN	781	175,402
OXYG	140	13,650
SPK	514	109,511
SYFY	323	71,627
TOON	319	249,650
TRU	140	11,055
TVL	268	87,069
USA	427	331,268
Grand Total	8,367	2,496,183

FAIRFAX COUNTY (COX) ZONE		
Network	Total Spots	Impressions
CNNE	4,593	-
ESPD	4,614	12,787
FOXD	1,922	-
GALA	4,500	-
Grand Total	15,629	12,787

FAIRFAX ZONE (VERIZON)		
Network <input type="checkbox"/>	Total Spots	Impressions
AEN	63	26,603
FX	63	34,749
USA	45	72,778
Grand Total	171	134,130

FAIRFAX NORTH / SOUTH / WEST (VZ)	
Overview	
Zone <input type="checkbox"/>	Total Impressions
FAIRFAX NORTH	995,827
FAIRFAX SOUTH	1,095,032
FAIRFAX WEST	791,461
Grand Total	2,882,320

FAIRFAX NORTH / SOUTH / WEST (VZ) (all 3 Zones combined)		
Zone	Spots per Zone	Total Impressions
AEN	333	160,560
AMC	343	224,383
APL	183	94,854
BRVO	43	28,842
CMT	183	26,218
CNN	40	68,035
CSNM	42	19,280
DIY	183	19,441
ENT	343	161,905
ESPN	42	77,594
FOOD	40	42,346
FX	342	224,690
FXNC	40	110,649
HALL	183	296,377
HIST	40	19,905
HLN	183	38,145
LMN	56	25,838
MNBC	40	72,646
NGC	183	74,635
OWN	302	151,848
SPK	175	71,135
SYFY	183	74,336
TOON	183	326,876
TVL	127	61,925
USA	244	409,857
Grand Total	4,056	2,882,320

FAIRFAX NORTH / SOUTH / WEST (VZ) (all 3 Zones combined)		
Zone	Spots per Zone	Total Impressions
CNNE	1,558	-
ESPD	1,579	-
GALA	1,620	-
Grand Total	4,757	-

Nielsen Company –Washington DC Live+SD data extrapolated through Strata CablePost. Strata uses its NuMath methodology to derive zone based estimates

Northern Virginia Regional Commission

For the English language networks, 19,508 total “:30” second commercials (or combined “:15” second commercials) aired, resulting in over 16.75 million television Household Impressions delivered during this campaign. These figures should also be treated as suggestive as they are derived from the Nielsen television sample for the entire Washington DC TV market for the period of July 1, 2015 through June 30, 2016. Additionally, 21,926 “:30” second commercials on Spanish language networks for a total of 41,434 commercial units. It should be noted that the significant increase in total commercials compared to 2015 is a direct result of the restructuring of the single Verizon Fairfax Zone into three distinct hyper-targeted Zones: Fairfax North, Fairfax South and Fairfax West. Furthermore,

Please note that the 8.03 million impressions delivered by the Potomac Super Zone include areas outside of the target localities. This includes homes in the District of Columbia, parts of Maryland, and the Virginia areas of Spotsylvania, Culpeper and Fredericksburg City.

In 2016, the digital products of Spotlight’s ERN (Extended Reach Network) were added to the media mix, allowing online display insertion on Verizon.net, in addition to the online advertising on Cox.com, Xfinity.com and CSV+. Unlike television, digital impressions have return path data and therefore we can guarantee those impressions during the month.

Digital Campaign Delivery by Product

FY 2016 Overall Digital Campaign Delivery			
Comcast Spotlight Digital Portfolio	Impressions Ordered	Impressions Delivered	Over/Under Delivery
TOTALS	1,210,144	1,381,317	171,173
2015 (July - Dec)			
Digital Product	Impressions Ordered	Impressions Delivered	Over/Under Delivery
COX ROS 300x250	180,072	256,852	76,780
CSV+ (Video Pre-Roll)	90,000	220,984	130,984
XFINITY ROS 300x250	180,072	92,557	(87,515)
TOTALS	450,144	570,393	120,249
2016 (Jan - June)			
Digital Product	Impressions Ordered	Impressions Delivered	Over/Under Delivery
COX ROS 300x250	240,000	232,667	(7,333)
CSV+ (Video Pre-Roll)	180,000	185,820	5,820
ERN (Verizon) 160x600	240,000	263,609	23,609
TOTALS	660,000	682,096	22,096
Unique Digital Opportunities			
24-Hour Sign-In Page Take-Over (Roadblock)	Estimated Impression Delivery	Actual Impression Delivery	Over/Under Delivery
Apr-16	50,000	63,799	13,799
May-16	50,000	65,029	15,029
TOTAL	100,000	128,828	28,828

Northern Virginia Regional Commission

Overall, 1.38 Million impressions were delivered via geographic targeting to Northern Virginia. For most product types, the digital platforms outperformed what was the guaranteed number of impressions by month. Only two products under-delivered. However, the strong over-delivery of other products resulted in approximately 170,000 bonus/no-charge impressions beyond what was originally ordered.

Northern Virginia Regional Commission

Campaign Performance –20% reach of target group

To understand the delivery of the overall campaign we created target logic to properly identify the audience we reach, using the below zone definitions and networks within. For the campaign delivery, the base for the calculation of reach is the adult population for the combined geographies in Northern Virginia. This was based on the actual delivery of the networks in each zone. For reporting purposes, we provided this as one estimate.

July 2015-June 2016			July 2015 - Sept 2015		
Potomac		Interconnect	Fairfax Zone (VZ)	Fairfax County (COX)	Reston
AMC	OWN	CNNE	AEN	AEN	AEN
APL	OXYG	ESPD	FX	AMC	AMC
CMT	SPK	FOXD	USA	ENT	ENT
CSNM	SYFY	GALA		ESPN	ESPN
DIY	TOON			FX	FX
DXD	TRU			SPK	OWN
ENT	TVL			USA	SPK
FS1					USA
HALL	<i>CNNE</i>			<i>CNNE</i>	
HLN	<i>ESPD</i>			<i>ESPD</i>	<i>CNNE</i>
LMN	<i>FOXD</i>			<i>FOXD</i>	<i>ESPD</i>
MTV2	<i>GALA</i>			<i>GALA</i>	<i>FOXD</i>
NGC					<i>GALA</i>
NICK					

Sept 2015 - June 2016					
Alexandria	Fairfax County (COX)		Fairfax North (VZ)	Fairfax South (VZ)	Fairfax West (VZ)
AEN	AEN	<i>CNNE</i>	AEN	AEN	AEN
AMC	AMC	<i>ESPD</i>	AMC	AMC	AMC
ENT	BRVO	<i>FOXD</i>	ENT	ENT	ENT
FX	CNN	<i>GALA</i>	FX	FX	FX
OWN	ENT		USA	USA	USA
SPK	ESPN				
USA	FOOD				
	FX				
	FXNC				
	HIST				
	MNBC				
	OWN				
	SPK				
	USA				

Northern Virginia Regional Commission

Overall, more than 20% of each of the three attribute groups was reached at least one time through the utilization of the networks selected. When we add in the digital products of Xfinity.com and Cox.com - the respective home pages of each Internet Service Provider - the overall reach increases to over 75% of each targeted attribute groups.

County Of Residence: Alexandria City, VA OR Arlington, VA OR Fairfax City, VA OR Fairfax, VA OR Falls Church City, VA OR Loudoun, VA OR Stafford, VA

	Lifestyle Characteristics		Leisure Activities Past 12 Months		Auto Repairs Pst.Yr: Unpd.Labor-HH	
	Own A Dog		Lawn Care		Anti-Freeze/Coolant OR Oil Filter/Oil Change	
	Reach	Reach %	Reach	Reach %	Reach	Reach %
<i>Population of Target Area</i>	414,638	100.0%	676,165	100.0%	208,720	100.0%
2016 NVRC Campaign (Television only)	336,559	81.2%	564,318	83.5%	160,766	77.0%
2016 NVRC Campaign (TV & Online)	351,126	84.7%	581,950	86.1%	174,932	83.8%

Source: Scarborough Research- Washington DC DMA (Base Adults 18+), March 2015-March 2016 survey period

Northern Virginia Regional Commission

Summary

Through use Comcast Spotlight's targeted media offerings; the data strongly supports the Clean Water Partners goal of reaching at least 20% of each target attribute among the defined geographies in Northern Virginia. This period evaluation greatly surpassed that of the 2014 and 2015 studies.

Attribute	2014 Study	2015 Study	2016 Study (Current)
Pet Waste (dog waste)	32.8%	53.4%	84.7%
Lawn Care (fertilizers)	31.9%	48.3%	86.1%
Personal Auto Care (oils and lubricants)	35.9%	45.3%	83.8%

Source: Scarborough Research- Washington DC DMA (Base Adults 18+), March 2015-March 2016 survey period

Much of this growth is due to the overall number of networks used during the July 1, 2015 through June 30, 2016 period, going from 19 networks in 2015 to 32 networks in 2016. However the amount of numbers being used at any given time was roughly the same. With the inclusion of the Spanish language networks and online display and video advertising, reach among your target attributes experienced additional growth. However, that impact cannot be quantified in this analysis due to limited available data.

While these results appear favorable for the attainment of goals, these are derived from samples and therefore have variance associated with the findings.

Northern Virginia Regional Commission

Appendix

1. 2015 Advertising Response

<u>Media</u>	<u>Dog Owners</u>		<u>Personal Yard Care/ Landscaping Enthusiasts</u>		<u>Personal Car Maintenance/ Restoration</u>	
	<u>Audience %</u>	<u>Rank</u>	<u>Audience %</u>	<u>Rank</u>	<u>Audience %</u>	<u>Rank</u>
Television (over-the-air, online, mobile or tablet)	63.80%	1	61.20%	2	68.00%	1
Ads/Coupons in your mailbox	63.60%	2	66.60%	1	67.00%	2
Emailed ad or newsletter	54.10%	3	54.80%	3	60.80%	3
Sponsored search result (like on Google, Yahoo or Bing)	53.00%	4	49.90%	5	59.30%	4
Daily Deals (like Groupon or LivingSocial)	50.50%	5	46.00%	7	53.80%	5
Newspaper (print, online, mobile or tablet)	50.30%	6	53.70%	4	53.70%	6
Magazine (print, online, mobile or on tablet)	47.40%	7	46.20%	6	52.40%	8
Radio (over-the-air, online, mobile or tablet)	46.50%	8	42.40%	8	53.40%	7
Ad on a social network	46.40%	9	NA	NA	47.80%	10
Internet banner ad	45.40%	10	41.10%	9	51.80%	9

2. Selection of Advertising Properties

3. TARGET	A18+ Intab
Lifestyle Characteristics: Own a Dog	547
Household Activities: Lawn Care	943
Unpaid/ Personal Labor: Anti-Freeze/Coolant OR Oil Filter/Oil Change	1,386

Scarborough Research- Washington DC DMA (Base adults 18+), March 2014-February 2015 survey period

	Lifestyle Characteristics			Leisure Activities Past 12 Months			Auto Repairs Pst.Yr:Unpd.Labor-HH		
	Own A Dog			Lawn Care			Anti-Freeze/Coolant OR Oil Filter/Oil Change		
Cable Network:	Adults 18+ Reach	Reach %	Index	Adults 18+ Reach	Reach %	Index	Adults 18+ Reach	Reach %	Index
AEN -TV	94,032	21.6%	116	128,441	18.0%	97	216,119	19.1%	102
AMC -TV	69,343	16.0%	111	110,053	15.4%	107	149,588	13.2%	92
APL -TV	50,651	11.7%	102	78,170	11.0%	96	124,220	11.0%	96
CNN -TV	122,688	28.2%	113	192,800	27.1%	108	304,503	26.9%	107
CSNM-TV	18,870	4.3%	67	61,425	8.6%	133	82,936	7.3%	113
ENT -TV	47,767	11.0%	146	31,218	4.4%	58	82,336	7.3%	97
ESPN-TV	120,902	27.8%	101	208,777	29.3%	106	342,872	30.3%	110
FAM -TV	59,369	13.7%	106	59,428	8.3%	65	141,248	12.5%	96
FX -TV	84,762	19.5%	136	90,357	12.7%	88	155,558	13.7%	96
HGTV-TV	107,405	24.7%	122	166,255	23.3%	115	240,307	21.2%	105
HIST-TV	108,096	24.9%	103	198,724	27.9%	116	280,361	24.8%	103
HLN -TV	28,556	6.6%	160	32,739	4.6%	112	45,017	4.0%	97
MASN-TV	29,043	6.7%	82	85,132	12.0%	146	109,193	9.6%	118
NGC -TV	72,698	16.7%	109	127,958	18.0%	117	171,987	15.2%	99
OWN -TV	28,687	6.6%	133	33,162	4.7%	94	52,732	4.7%	94
OXYG-TV	14,464	3.3%	91	12,384	1.7%	47	40,262	3.6%	97
SPK -TV	40,008	9.2%	125	54,865	7.7%	105	91,696	8.1%	110
TOON-TV	15,060	3.5%	57	21,161	3.0%	48	72,211	6.4%	104
USA -TV	101,816	23.4%	109	147,028	20.6%	96	253,955	22.4%	105
XFINITY.COM	77,402	17.8%	107	96,225	13.5%	81	192,606	17.0%	102
COX.COM	26,118	6.0%	78	66,701	9.4%	122	84,193	7.4%	97

4. Overall Advertising Delivery

Television

	30 second units	Delivered Impressions 7/1/2014-6/30/2015
Total Household Impressions	6818	4,808,970
9794 Fairfax Zone	275	271,022
AEN	77	34,485
ESPN	19	29,445
FAM	17	40,687
FX	79	63,943
USA	55	84,559
Rotational spots	28	17,903
1581 Fairfax County	2297	602,155
APL	298	78,486
CNN	190	91,146
ESPN	152	116,179
FAM	18	21,557
HIST	188	67,635
AEN	154	16,086
AMC	154	23,461
ENT	154	12,825
FX	154	24,501
NGC	180	42,839
OWN	154	19,848
SPK	154	19,665
USA	108	47,300
Rotational spots	239	20,627
9555 POTOMAC	2568	3,831,722
AMC	77	152,431
APL	267	487,506
CSNM	11	4,962
ENT	303	635,727
HLN	231	297,974
MASN	87	55,666
OWN	77	131,574
OXYG	243	388,877
SPK	77	84,140
TOON	230	1,124,677
ESPN D	363	NA
GALA	357	NA
Rotational spots	245	468,188
0340 Alexandria, VA	714	104,071
AEN	77	7,853
AMC	77	10,394
APL	90	8,847
ENT	77	9,518
ESPN	31	8,759
FX	77	10,449
HGT V	22	10,218
OWN	77	7,651
SPK	77	5,801
USA	55	19,096
Rotational spots	54	5,485
6030, INTERCONNECT	964	-
CNN E	442	NA
ESPN D	445	NA
GALA	77	NA

Digital

2015	Xfinity.com		Cox.com		CSV +	
	300 x 250 In-Banner Video		300 x 250 In-Banner Video		In-Stream Video	
	(30,000 Impressions/Month)	+/-	(30,000 Impressions/Month)	+/-	(30,000 Impressions/Month)	+/-
March	33,374	3,374	33,098	3,098	31,212	1,212
April	33,119	3,119	31,699	1,699	30,622	622
May	33,069	3,069	30,252	252	30,360	360
June	33,099	3,099	33,063	3,063	30,452	452
	132,661	12,661	128,112	8,112	122,646	2,646

5. Campaign Performance

County Of Residence: Alexandria City, VA OR Arlington, VA OR Fairfax City, VA OR Fairfax, VA OR Falls Church City, VA OR Loudoun, VA OR Stafford, VA

	Lifestyle Characteristics		Leisure Activities Past 12 Months		Auto Repairs Pst.Yr: Unpd.Labor-HH	
	Own A Dog		Lawn Care		Anti-Freeze/Coolant OR Oil Filter/Oil Change	
	Reach	Reach %	Reach	Reach %	Reach	Reach %
<i>Population of Target Area</i>	434,602	100.0%	712,358	100.0%	171,596	100.0%
NVRC Campaign (Television only)	172,253	39.6%	251,713	35.3%	50,953	29.7%
NVRC Campaign (TV &Cox.com/Xfinity)	233,192	53.4%	344,117	48.3%	77,714	45.3%

Scarborough Research- Washington DC DMA (Base adults 18+), March 2014-February 2015 survey period

APPENDIX B

MS4 Webpage Screen Capture

Get2Green Webpage Screen Capture and List of Events

Summary of FCPS Events

Schoolyard Stewardship Mini Grant Information and Projects Awarded

NoVA Outside School Environmental Action Showcase Information

Municipal Separate Storm Sewer System (MS4) Program

What Our Schools are Doing to Protect Our Waterways

About the Program

The objective of the Municipal Separate Storm Sewer System (MS4) is to reduce stormwater pollutants in the runoff by implementing certain programs and procedures. An MS4 is a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains). The program is part of the Virginia Pollutant Discharge Elimination System (VPDES) requirements and is regulated by the Virginia Department of Conservation and Recreation (VDCR).

VDCR requires FCPS to demonstrate that it is addressing the following six best management practices (BMPs) or minimum control measures (MCMs) in the implementation of the MS4 program:

1. Public education
2. Public involvement/participation
3. Illicit discharge detection and elimination
4. Construction site storm water runoff control
5. Post-construction storm water management in new development and redevelopment
6. Pollution prevention/good housekeeping for municipal operations

Rain Barrel Program

Find out how rain barrels benefit you and the environment

Fairfax County Rain Barrel Workshops

<http://www.fairfaxcounty.gov/nvswcd/rainbarrels.htm> | [View rain barrel artwork in the community](http://www.fairfaxcounty.gov/nvswcd/rainbarrelart.htm) <http://www.fairfaxcounty.gov/nvswcd/rainbarrelart.htm>

FCPS Schools and the Environment

Fairfax County students learn about the challenges facing our environment throughout their school years. In kindergarten, students observe and discuss how to protect the environment and conserve water and energy at home and at school. Elementary students investigate the earth's natural resources and how to protect them, research the major Potomac River watershed and water resources, and examine public policy decisions related to the environment.

The emphasis on the environment is broadened for high school students in the geosystems curriculum, where students examine the interrelationship between the earth's physical environment and the biosphere.

MS4 Program Plan and Report

MS4 Program Plan /sites/default/files/media/pdf/programplan2015_0.pdf
2015

MS4 </sites/default/files/media/pdf/annualreport2015.pdf>
Annual Report 2015

FCPS 2013 </sites/default/files/media/pdf/2013registrationstatment.pdf>
Registration Statement

External Links

The following web sites may provide additional information relating to the Municipal Separate Storm Sewer System (MS4) Program.

- [Clean Virginia Waterways](http://www.longwood.edu/cleanva) [/http://www.longwood.edu/cleanva](http://www.longwood.edu/cleanva)
- [Fairfax County Municipal Separate Storm Sewer System \(MS4\)](http://www.fairfaxcounty.gov/dpwes/stormwater/ms4permit.htm)
[/http://www.fairfaxcounty.gov/dpwes/stormwater/ms4permit.htm](http://www.fairfaxcounty.gov/dpwes/stormwater/ms4permit.htm)
- [North American Association for Environmental Education](http://www.naaee.org/)
[/http://www.naaee.org/](http://www.naaee.org/)
- [Northern Virginia Soil and Water Conservation District](http://www.fairfaxcounty.gov/nvswcd/)
[/http://www.fairfaxcounty.gov/nvswcd/](http://www.fairfaxcounty.gov/nvswcd/)

Contact Information

David Bennett
Coordinator Infrastructure &
Environmental Engineering
703-764-2477

Holly Moran, Environmental Specialist

703-624-0337

Get2Green Partnerships

Environmental efforts with the schools.

</get-involved/business-and-community-partnerships/ignite-partnerships/partnerships-get2green>

Stay updated with what's happening at FCPS with *News You Choose*

Sign Up Now <https://public.govdelivery.com/accounts/vaedufcps/subscriber/new?qsp=vaedufcps_1>



- Home
- Dashboards**
- Eco-Schools
- Energy
- Energy Star
- Recycling
- Efforts
- Initiatives
- Resources
- About Us

WELCOME!

The FCPS Get2Green website showcases Energy, Recycling and Eco-School USA data in a way that encourages student and teacher engagement and competition amongst students, faculty, and staff.

It was created to highlight the often overlooked and hidden connection between the impact of the actions in our daily lives and the natural world. We hope that this resource will be used for learning, teaching, researching and empowering change. We invite all students, faculty, and staff and community partners to be part of this commitment to create a better future through sustainability!



[Sustainable Solutions Handbook](#)

Check out our Interactive Dashboards!



Our interactive dashboards enable users to view resource use at all FCPS schools and centers. View Energy, Recycling, Greenhouse Gas or Eco-Schools information by individual location or district as a whole. Click [here](#) to browse and view any of our interactive dashboards!

ENERGY STAR - Battle of the Buildings

Get ready! Starting this Fall, FCPS will be competing in the 2016 ENERGY STAR Battle of the Buildings Competition: BOOTCAMP! The competition launches on **September 1** and closes on **November 30**.



This national competition is sponsored by the U.S. Environmental Protection Agency (EPA) and is a race to transform your schools into lean, green, energy saving machines in just 90 days. Battle of the Buildings is an excellent opportunity at the start of the school year to engage students on energy efficiency and teach them about simple things they can do to protect the environment. To learn more click [here](#).

Get2Green - In the News

[Lanier Middle School Teams Earn Two First Place Awards at School Environmental Action Showcase](#) (April 13, 2016)

[FCPS Joins Green Schools Alliance District Collaborative](#) (Jan. 29, 2016)

[Fairfax joins other large school systems in environmental alliance](#) - Washington Post (Feb. 17, 2016)

- [home](#)
- [dashboards](#)
- [eco-schools](#)
- [energy](#)
- [energy star](#)
- [recycling](#)
- [initiatives](#)
- [resources](#)
- [about](#)

Curator: Liz Hatcher lhatcher@fcps.edu
 Department of Facilities & Transportation Services - Administrative Services
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Moran, Holly

From: FCPS24-7noreply@blackboard.com
Sent: Thursday, October 22, 2015 11:46 AM
Subject: Get2Green: Key Dates for 2015-2016

Please note the upcoming dates and events for Get2Green.

Get2Green: Key Dates 2015-2016 School Year

Date	Time	Description	myPLT
10/8	7 pm	School Board Presentation- Get2Green	n/a
10/15	4:30-6:30 pm	<p><i>Reception and Plant Sale at Earth Sangha</i>—come and see our favorite native plant vendor. Get a nursery tour and hear from Lisa Bright why native plants are so key to our ecosystem. Plants will be for sale with experts there to help you choose the best plants for your schoolyard. Location: At the nursery</p> <p>Volunteers and High School Students, SACC Welcome</p> <p>Register here: http://goo.gl/forms/Hr7mb1syzy</p>	

10/27	8:30 am to 11:30 am	<p><u>Get2Green Principal's Meeting</u> and Eco School award ceremony. Speakers: Dr. Tamra Willis, Mary Baldwin College "Environment-Based Learning: Why it Works", Jeff Platenberg and Myra Thayer. Celebrate the good work that you are doing. Location: Woodson HS</p> <p>MyPLT: ISSC-201516 Get2Green Principals Meetings</p>	ISSC-201516
11/3	9 am to Noon or 1 to 4 pm	<p><u>Using the Eco Schools Dashboard</u> to track your team's efforts and work toward the awards you deserve—bring your computer and your materials to learn how to use the dashboard and for a working session to be sure you are getting the recognition you deserve. Location: National Wildlife HQ, Reston Volunteers, Students welcome</p> <p>myPLT: ISSC-11032015</p> <p>Register here: https://goo.gl/FwZvOv</p>	ISSC-11032015
11/20		SSMG grants due	n/a
11/21	9 am to 1 pm	<p><u>Kid Wind Challenge Workshop</u>: Attending this workshop will show you how to use KidWind turbine kits to teach a variety of topics—experimental or engineering design, renewable energy, electric power generation, etc. A perfect STEAM project! This workshop will also prepare you to coach a KidWind Challenge team for the regional competition April 6 at GMU. All participants will get a KidWind starter kit. Location: Westfield HS</p>	ISSC-11212015

		<p>My PLT: ISSC-11212015: KidWind Challenge Workshop</p> <p>Register here: https://goo.gl/AztKOJ</p>	
Jan	9 am to 11:30 am	<p><u>Get2Green Principals Meeting</u>—Get2Green, PBL and STEAM—collaboration at its best.</p>	ISSC-201516
TBD		Exact Date and location TBD.	
1/23	9 am to 3 pm	<p><u>Project Learning Tree (PLT) Energy Resources Training.</u> Hands on workshop to show you PLT resources, learn what the Cenergistic Energy Specialists do and what energy usage data is available for your school. Location: Centreville ES</p> <p>Volunteers, HS Students, SACC welcome</p> <p>Register here: https://goo.gl/AztKOJ</p>	ISSC-031415
2/5	9 to Noon or 1 to 4 pm	<p><u>Engaging Students in Energy Conservation Activities:</u></p> <p>Energy Conservation is a huge FCPS wide initiative—get your students involved! Meet our Cenergistic Energy Specialists and hear about energy data that is available to your school. See how to engage students in energy conservation activities that go with your energy curriculum—energy auditing, energy conservation campaigns, building renewable energy sources—wind turbines. Help students see how their actions make a difference in energy use at school and at home. If you are in Eco School, working on energy</p>	ISSC-02052016

		<p>conservation can move you one pathway toward your Green Flag</p> <p>Location: Sideburn Support Center, Fairfax</p> <p>Volunteers, SACC, HS Students Welcome</p> <p>Register here: https://goo.gl/AztKOJ</p>	
2/5	1 pm to 4 pm	<i>Using your Edible Garden in the Spring</i> —what to plant, when to plant, gardening tips, making this Green STEAM	
3/28	9 am to noon or 1 to 4 pm	<p><i>Using the Eco Schools Dashboard</i> to track your team’s efforts and work toward the awards you deserve—bring your computer and your materials to learn how to use the dashboard and for a working session to be sure you are getting the recognition you deserve. Location: National Wildlife HQ, Reston Vounteers, Students welcome</p> <p>Register here: https://goo.gl/FwZvOv</p>	ISSC-11032015
4/6	9 am to 3 pm	School Environmental Action Showcase: bring your teams to compete in Kid Wind, Caring for Our Watershed, network in the general showcase or participate in our fun Eco-Art competition. Location: GMU Center for the Arts	
	1 pm to 4	<i>Engaging Students in Energy Conservation Activities:</i>	ISSC-02052016

4/28

pm

Energy Conservation is a huge FCPS wide initiative—get your students involved! Meet our Cenergistic Energy Specialists and hear about energy data that is available to your school. See how to engage students in energy conservation activities that go with your energy curriculum—energy auditing, energy conservation campaigns, building renewable energy sources—wind turbines. Help students see how their actions make a difference in energy use at school and at home. If you are in Eco School, working on energy conservation can move you one pathway toward your Green Flag

Location: Sideburn Support Center, Fairfax

Volunteers, SACC, HS Students welcome

Register here: <https://goo.gl/AztKOJ>

BMP 2.B

Event	Description	Date	Number of People
School Environmental Action Showcase	Five hundred grade 4-12 students went to George Mason University to share the environmental stewardship projects at their schools and to participate in the Caring for Our Watersheds competition, the Recyclable Mascot Challenge, and the KidWind wind turbine design competition. Students also joined environmental professionals from 22 non-profit organizations, businesses, and all levels of government in conducting hands-on activities relating to the environment.	April 6, 2016	500 students, 125 parents/teachers, 50 environmental professionals, 30 volunteers and staff
Dogwood Elementary watershed projects	Our Watershed team is following up with our Algal Bloom presentation at SEAS. We are getting ready to perform our first water quality tests at Stratton Woods pond, Sugarland Run, and Lake Audubon. We have digital water monitoring devices that will give us data on PH, nitrogen and phosphorus levels, and dissolved oxygen levels. We will also be using the Isaac Walton Macro-invertebrate stream study method at all locations. Our 21st Century Girls club will be studying the human impact (mainly pollution) on our local water shed. We have received a grant to offer a two week summer camp at dogwood.	Ongoing 2016	30 students, 3 teachers
Belle View Elementary environmental projects	We restored a wetland, vernal pool and rain garden to deal with storm water runoff, we have an active recycling program and our Eco Club is conducting a terra cycling project.	Spring 2016	50 students
Westgate Elementary environmental projects	Built and planted native gardens in new courtyards - March 28 and April 22 Planted organic vegetable gardens throughout April and into May Built and hung bird feeders and created nesting materials for birds Planted butterfly garden including milkweed for monarchs Planted pumpkin and sunflower gardens Started compost pile Cleaned up trash on school grounds	Spring 2016	250+ students, 20 adults
Quander Road School native garden	Planting Native Garden: over 1,500 square feet.	Spring 2016	20 students, 3 adults
Lee High School recycling	School recycling is collected weekly from classrooms through the Environmental Club	2015-16 school year	20 students, 2 adults
Flint Hill Elementary Chesapeake Bay field trip	CBF 5th grade Field trip to Phillip Merrill Environmental Center	May 10 and 11, 2016	126 students, 20 adults
Centreville Elementary environmental projects	We have been planting our gardens, monitoring our bluebird trails, having a trout release, hatching chicks & ducks, adding but hotels & butterfly houses to our gardens, participating in the Cool School Challenge (recycling & energy), completing audits of 5 pathways. We have also started a Green Happenings segment on our morning news show.	April and May 2016	854 students (45 for trout release), 75 adults (10 for trout release)

Event	Description	Date	Number of People
South County Middle School partnership with Trout Unlimited	We are going to release classroom-raised trout as part of a restoration effort with Trout Unlimited. We started with ~100 eggs in a 75-gallon aquarium in September. The fish are now small and ready to be released, so we will take a field trip to Thompson Wildlife refuge to conduct water testing, survey the area, and release the fish.	September 2015-May 2016	40 students, 5 adults
Lutie Lewis Coates Elementary Earth Day tree planting	On April 21st, in celebration of Earth Day, Coates ES planted 3 dogwood trees. The entire student population gathered outdoors to watch the members of SAC plant the trees. Primary students performed an Earth Day song and afterwards a picture was taken of all students gathered together on the field behind the school.	21-Apr-16	770 students, 75 adults
Lynbrook Elementary school grounds clean-up	Habitat Clean up & School wide clean up	Every Tuesday 2015-16 school year	20 students, 2 adults
Sandburg Middle School shad project	Classes hatch Shad eggs in the classroom for release in the Potomac River. They are also required to do 2-3 hours of environmental service per quarter.	Shad released in April 2016, environmental service ongoing	150 students in shad program, 750 students doing environmental service
Crestwood Elementary pollinator garden	We completed construction of 67 X 4 foot butterfly/pollinator garden with over 50 native plants. Students helped build memorial garden and lay mulch around raised beds.	Apr-16	75 students, 25 adults
Crestwood Elementary Earth Day Fun Run and spring gardening	First thing for the Fun Run, the students ran around the field and were treated to music, bubbles, squirt guns, and waving pool noodles as they ran. Activities then moved to gardening, where we picked up trash around the school yard, weeded and mulched existing garden beds, and in our garden area, built a new reading garden in memory of a deceased teacher.	Apr-16	60 students, 30 adults

Event	Description	Date	Number of People
Woodley Hills Elementary STEAM project	<p>This STEAM project will involve students developing a creative solution to the following real life scenario, "Woodley Hills Elementary School in Alexandria has won a \$3,000 grant. The school has chosen to spend the money on developing the land outside, adjacent to the new wing of the school, into a self-sustaining community garden that incorporates multiple learning experiences, for example, students who visit the garden should be able to learn about habitats, shapes, and weather tools, to name but a few! You have been selected to spearhead the effort! Using your knowledge of plant and soil science, your knowledge of Virginia's natural resources, and your expertise regarding conserving resources, and the interdependence of plants and animals, you will plan the community garden." Throughout this unit students will gain thorough exposure to the concepts pertaining to engineering, problem solving, agriculture, resources, conservation, and Virginia's Ecosystems. As a result of the ingenuity, creativity, and exploration undertaken in this project, a community garden will be build in the coming days using grant money funds that were successfully acquired by the school.</p>	May - June 2016	110 students (4th grade) and 5 adults
Mount Eagle Elementary Earth Day celebration	<p>We had an Earth Day celebration. We worked in our pollinator garden (weeding, mulching, planting, creating a new path), cleaned up the campus and made birdfeeders and other garden crafts.</p>	30-Apr-16	40 students, 30 adults
Mosby Woods Elementary Chesapeake Bay field trips	<p>We planted flower beds by the playground and are going on boat trips with the Chesapeake Bay Foundation to learn about the watershed.</p>	April and May 2016	180 students, 30 adults
McLean High School native garden restoration	<p>We are currently weeding and restoring our environmental native plant garden</p>	May-16	15 students, 1 adult

Event	Description	Date	Number of People
Daniels Run Elementary environmental projects	<p>Raising American Shad-All 6th grade students work with the Anacostia Watershed Society to conduct water testing, retrieve unfertilized eggs and learn the history and life cycle of these fish, and then are released into Belmont Bay. Spring Milkweed Walk-All 2nd grade students walk the schoolyard habitat in search of milkweed. Daniels Run Stream Monitoring-All 6th grade students, working with Lands and Water nonprofit to complete benthic microinvertebrate study, chemical water testing, and watershed walk field trip into the neighboring community. Spring Vegetable Garden Visit-All K-6 students, discuss plant parts and functions, review 5 senses, vascular/nonvascular plants and photosynthesis, etc. Citizen Scientist Stream Monitoring-All 5th grade students, working with Danielle Wynne to collect litter data on a section of the Daniels Run stream. Growing SAV (Submerged Aquatic Vegetation)-All 3rd grade students, working with the CBF to raise underwater glasses in each classroom to be transplanted in Belmont Bay. Composting in the Cafeteria, All K-6 students, collection of fruit and vegetable scraps in the cafeteria, compost is used in the vegetable garden. Raising Monarch Butterflies, All 2nd grade students, learn about and care for monarch butterflies Sole Hope Jean Recycling Project, All Eco-Action Team members with the guidance of Sole Hope collect, trace and cut (by teacher volunteers) pieces of jeans to be recycled into shoes and given to people in Uganda, Africa. FCPS Donation of Unopened Food Program, Uneaten food is collected during lunch and stored in a refrigerator to be donated to the Lamb Center, Fairfax, VA</p>	April - June 2016	All students in school involved in at least one activity
South Lakes High School watershed cleanup	Watershed Cleanup--picked up litter around school and Snakeden Stream	16-Apr-16	26 students, 1 adult
South Lakes High School native tree planting	Planting native redbud trees	4-May-16	6 students, 1 adult
Lanier Middle School environmental activities	<p>Students participated in a transportation study/safe route to school - collection of data of air pollution level during Kiss and Ride, # of walkers vs. using cars, walking of community around school to study walking condition by students, teachers, parents, and wider community members, planting of native species in school bio-retention cell, setting up of vegetable garden, cleaning of dry bed stream, maintaining of school wildlife habitat.</p>	Every Wednesday and Thursday in 2015-16 school year	1,000+ students, 20+ adults
Bush Hill Elementary environmental activities	<p>We have a recycling club that goes from classroom to classroom each week to collect items in our recycle bins. Our cafeteria paper goods that can be recycled are recycled each day. Our SCA has 1-2 planting, weeding, etc. around our school. They are also planting a vegetable garden and some flowers in our courtyard.</p>	Ongoing 2015-16 school year	<p>Recycling Club: 24 Planting/Gardening 15 Recycle in Cafe: whole student body 475 Custodian oversees recycled items</p>

Event	Description	Date	Number of People
Sunrise Valley Elementary monarch waystation	Our second grade classes are creating a monarch waystation to give the monarch butterfly a safe place to lay their eggs and go through the monarch lifecycle from egg to chrysalis to caterpillar to butterfly. The monarch butterfly numbers have been dropping due to milkweed being cut down. We are planting milkweed as well as nectar producing plants.	14-May-16	62 students, 23 adults
Sunrise Valley Elementary project-based learning	PBL: How can you as conservationists protect our local ecology from invasive species? Contacting Reston Association - specifically Habitat Heroes project manager - to come in and speak to our students about invasive plant species in Reston. We hope they will speak to the students about why these should be removed, how to identify the plants and how to effectively remove them. We will then remove invasive plant species on and around our campus. Additionally, the students will design brochures which show pictures of invasive species found on SVES property and information on how to responsibly remove invasive species in our area. The brochures will be distributed in Friday Folders to our school community so they can identify and remove the invasive species in their own backyards.	1-May-16	80 students, 6 adults
Belvedere Elementary environmental activities	Planting garden beds to donate to Food for Others, Living Classrooms full-day field trips to Kingman Island, releasing trout we raised at Thompson Wildlife Management Area, going to Mason District Park with Danielle Wynne to record data about stream trash (3x), stream clean-up at Mason District Park, regular trash pick-ups at our school, Eco-Discovery Night and Art Walk	Ongoing 2015-16 school year	300+ students
Lees Corner Elementary Grounds Beautification Day	Grounds Beautification Day: Lees Corner will be having its second grounds beautification day this year on May 22nd. The community is invited to come out and help sweep, pick up trash, pull weeds, plant flowers or bushes and spread mulch.	22-May-17	20-40 students, 3 teachers, about a dozen parents
Churchill Road vegetable gardening	We are growing our own crops (broccoli, green beans, cabbage, lettuce etc. in our raised beds. Students researched the vegetables and their nutritional benefits as a part of our nutrition unit in health.	March - June 2016	151 5th grade students, 7 adults
Madison High School student presentation at Environment Virginia Symposium	Students for Environmental Action (SEA) presented a summary of their stream assessment activities at the Environment Virginia Symposium, held in Lexington, VA. They were the only high school presenters at the conference.	6-Apr-16	5 students, 2 adults
Madison High School participation with Trout Unlimited	Students participated in Trout Unlimited's Trout in the Classroom program	September 2015-May 2016	8 students, 3 adults

Event	Description	Date	Number of People
Madison High School local stream assessment	Students are leading a program that began in 2014 to assess local streams for brook trout viability/sustainability. Under the direction of Dr. Kirk Smith, another JMHS faculty member, they are applying his doctoral thesis in a real-world scenario. They are coordinating with the likes of the Virginia Department of Game and Inland Fisheries, Trout Unlimited, Bull Run Nature Conservancy, George Mason University, to name a few.	Ongoing	10 students, 2 adults
Fairfax High School native species meadow	Native Species Meadow Garden - planting of native species in order to improve biodiversity, on-site water retention, and to enhance the aesthetics of the school building. Students broke ground, amended the soils, replaced the soils, planted and maintained the newly planted species for the past year. They are now working on phase 2 of the project.	May and June 2016	30 students, 10 adults
Hutchison Elementary gardening days	We've had three gardening days in which staff and students work together to care for our native plant garden. We're learning how to weed; why native plants are important; the role plants play in our water cycle, oxygen cycle, and food chain; and the value they provide for critter habitats and food.	April 21, May 25, and June 2, 2016	20-30 students and 6-9 adults at each event

Schoolyard Stewardship Mini Grants (SSMG) - FY16

School	Grant Project
Lane Elementary	Soil amendment, rain barrel, and additional seeds and seedlings for existing vegetable garden
Carson Middle	Raised garden beds, composter, seeds, and tools for edible garden
Olde Creek Elementary	Cafeteria compost program with Veteran Compost
Clearview Elementary	Erosion prevention experiment to determine best method (stone, plants, or mulch) for reducing erosion near storm drains, then full implementation of whichever method is most effective
Sunrise Valley Elementary	6th grade bird and bat house project combining art and biodiversity
Glasgow Middle	Recycling/waste reduction program in cafeteria
Lanier Middle	Enhance Outdoor Living Classroom, revitalize vegetable garden, and establish traffic/air quality monitoring project at Kiss & Ride
Woodson High	Native courtyard garden
Freedom Hill Elementary	Adding raised beds to existing garden, outdoor classroom, rain garden, pollinator garden, completing garden-waste composter
Lake Anne Elementary	Create songbird garden, improvements to existing schoolyard habitats
Braddock Elementary	Native plant garden beds for each grade level to build "XSTREAM capacity"
Fairfax High	Expanding existing native garden and vegetable garden
Crestwood Elementary	Outdoor classroom with raised beds and updates to existing pollinator garden
Woodlawn Elementary	Outdoor classroom with beds for plants that tie in with each grade level's curriculum and a rain garden
Cooper Middle	Phase 1 of native plant garden in courtyard
Hayfield Secondary	Raised beds to grow plants for science classes in science courtyard, herbs for existing raised beds in cafeteria courtyard, composter for cafeteria courtyard, rain barrel and hose for garden, cleanup of overgrown native plant courtyard off art classrooms
Westgate Elementary	Native garden and vegetable garden
Dranesville Elementary	Native plant pollinator garden and outdoor classroom makeover with raised beds for each grade
Dogwood Elementary	Sensory garden for early childhood students
Herndon Elementary	Edible garden and composting program
Luther Jackson Middle	
Woodley Hills Elementary	Edible garden designed and cared for by 4-6 grade students
Lake Braddock Secondary	Outdoor classroom with benches, white board, and native plants
Frost Middle	Inverter and labor for Solar-Powered Recirculating Creek and Wetland Outdoor Classroom Project



The Periodic Table of SEAS 2016



Your Guide to Participating in the School Environmental Action Showcase

Wednesday, April 6, 2016 – 9am-2:30pm

GMU Center for the Arts, Fairfax, VA

High School Track

Grades 9-12

Tour GMU Science labs, network with other high school and GMU students, join sustainability and STEM career topic sessions, and more!

General Showcase

Grades K-12

Bring 5-8 of your eco-leaders and a tri-fold display to show other students and the Northern Virginia community what your school is doing to be environmentally friendly!

SEAS Video Visions

Grades K-12

Have a vision of a greener future and how you can make that future a reality? Make a short video and enter it in SEAS Video Visions! Find details and instructions [here](#).

Caring for Our Watersheds

Grades 6-8

Earth Force hosts this competition that asks what you can do to improve your watershed. Go [here](#) for details.

KidWind

Grades 4-12

Join the JMU Virginia Center for Wind Energy to test wind turbines designed and built by students at the KidWind Regional Competition. Go [here](#) for details.

PLUS, participate in fun hands-on STEM activities hosted by local and national government agencies, non-profits, and businesses!

Register at <https://goo.gl/gCozNC> by Friday, March 18, 2016.

Find more information about SEAS and how to get involved at www.novaoutside.org

Questions? Contact showcase@novaoutside.org


Students from Alexandria City, Arlington County, Fairfax County, Falls Church City, Loudoun County, and Prince William County are invited to participate.



FOR IMMEDIATE RELEASE

April 13, 2016

Lanier Middle School Teams Earn Two First Place Awards at School Environmental Action Showcase

 Students from Lanier Middle School won two first place awards at the fifth annual School Environmental Action Showcase (SEAS) held at George Mason University. Lanier teams took first place in the Caring for Our Watersheds competition with a plan to plant native grasses, and first place in their division of the KidWind Challenge for the most efficient wind turbine design. Lanier Middle School is a Fairfax County public school.

More than 300 Fairfax County Public Schools (FCPS) students from 22 schools attended the event, which brought together local elementary through high school students to share their environmental projects and connect with other students and professionals working on projects relating to the environment.

The Lanier team plans to grow submerged aquatic vegetation in their science lab throughout the winter, then take a field trip to the Chesapeake Bay to plant the grasses in the spring. Lanier teams won five of the ten awards in the Caring for Our Watersheds event, placing third, sixth, seventh, and eighth in a field of 10.

Students from Dogwood Elementary took second place in the Caring for Our Watersheds competition with a look at how nutrient pollution and algal blooms affect the health of the local watershed.

A Crossfield Elementary team earned third place in the KidWind Challenge for wind turbine design and, along with the winning team from Lanier, were invited to compete in the 2016 National KidWind Challenge in New Orleans in May. Students from Daniels Run Elementary, Dogwood Elementary, Flint Hill Elementary, Navy Elementary, and Carson Middle also took part in that competition. Special judges' awards were awarded to Lanier Middle, Crossfield Elementary, and Navy Elementary.

Students from six FCPS schools entered videos into SEAS Video Visions, a short film festival celebrating students' visions of a greener future. Video Visions participants included students from Belvedere Elementary, Crossfield Elementary, Dranesville Elementary, Lanier Middle, Providence Elementary, and Carson Middle.

SEAS is hosted by NoVA Outside in partnership with George Mason University's Potomac Environmental Research and Education Center. Student teams displayed the environmental stewardship projects underway at their schools, created videos about their visions of a greener future, competed for funding to further develop and implement wind energy and watershed protection projects, and participated in hands-on STEM (science, technology, engineering, and math) activities hosted by partner government agencies, nonprofit organizations, and businesses.

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For more information, contact Elaine Tholen, FCPS program manager for environmental stewardship, at evtholen@fcps.edu.

APPENDIX C

Dry Weather Outfall Screening Results

Track Down Reports

Storm Drain Marking Information

Get2Green Recycling Webpage and Dashboard Example

Stormnet ID	Watershed	Retest Required	Retest Results	Track Down Results	Outfall Characterization	Date Inspected	Year	Time Inspected	Investigators	Recorder	Landuse	Known Industries	Notes/Comments	Location	Pipe Material	Pipe Shape	Number of Pipes	Pipe Width	Pipe Height	Headwall Condition	Flow Observed	Flow Rate
STMN0223405549	Turkey Run				Unlikely	6/2/2016	2016	09:22:52 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Langley	Overgrown, difficult access, wet line visible but no measurement collected.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0223405550	Turkey Run	Yes	Trackdown needed		Trackdown needed	6/7/2016	2016	08:52:21 GMT-04:00	BG & JM	John Miller	Suburban Residential	Langley		Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	Yes	Moderate
STMN0244515329	Horsepen Creek	Yes	Trackdown needed	Unlikely	Unlikely	6/8/2016	2016	17:49:12 GMT-05:00	BG & JM	John Miller	Suburban Residential / Institutional	Carson	Best accessed from Cedar Lane.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	Yes	Trickle
STMN0261013935	Difficult Run				Unlikely	6/7/2016	2016	15:22:57 GMT-04:00	BG & JM	John Miller	Suburban Residential	Hunters Woods	Silt fence around structure is collapsing	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Double			Good	No	
STMN0262012538	Difficult Run				Unlikely	6/2/2016	2016	15:44:15 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Hughes	All outfalls selected for this site have been buried as a result of construction activities.	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0262013273	Difficult Run				Unlikely	6/2/2016	2016	16:29:42 GMT-04:00	BG & JM	Ben Green	Suburban Residential	South Lakes	Downstream is filled with sediment, but similar to other outfall spillways observed at the school.	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0262013589	Difficult Run				Unlikely	6/2/2016	2016	16:18:49 GMT-04:00	BG & JM	Ben Green	Suburban Residential	South Lakes	Large head cut, may soon expose outfall structure.	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0262013685	Difficult Run				Potential	6/2/2016	2016	16:48:15 GMT-04:00	BG & JM	Ben Green	Suburban Residential	South Lakes	None	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	Yes	Trickle
STMN0262013802	Difficult Run				Unlikely	6/2/2016	2016	16:11:15 GMT-04:00	BG & JM	Ben Green	Suburban Residential	South Lakes	None	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0262014404	Difficult Run				Unlikely	6/2/2016	2016	16:00:42 GMT-04:00	BG & JM	Ben Green	Suburban Residential	South Lakes	None	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0304413034	Pimmit Run				Unlikely	6/7/2016	2016	12:16:54 GMT-04:00	BG & JM	Ben Green	Suburban Residential	McLean	Trash and downstream erosion.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Triple			Spalling, Cracking, or Chipping	No	
STMN0313412306	Pimmit Run	Yes	Unlikely		Unlikely	6/8/2016	2016	12:53:13 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Chesterbrook	None	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	Yes	Trickle
STMN0342024596	Cub Run				Potential	6/7/2016	2016	17:17:13 GMT-04:00	BG & JM	John Miller	Suburban Residential	Franklin	Enter from right side when facing outfall mouth. Lots of brambles.	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0351022111	Horsepen Creek				Unlikely	6/7/2016	2016	16:25:14 GMT-04:00	BG & JM	John Miller	Suburban Residential	Oak Hill	Almost completely full of sediment. Needs maintenance.	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0351022188	Horsepen Creek				Unlikely	6/7/2016	2016	16:32:05 GMT-04:00	BG & JM	John Miller	Suburban Residential	Oak Hill		Open Drainage	Rip Rap Ditch	Trapezoid		48	11	Good	No	
STMN0351022254	Horsepen Creek				Unlikely	6/7/2016	2016	16:58:57 GMT-04:00	BG & JM	John Miller	Suburban Residential	Oak Hill		Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0353030249	Cub Run				Unlikely	6/1/2016	2016	18:34:28 GMT-04:00	BG & JM	John Miller	Suburban Residential	Lees Corner		Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0353030399	Cub Run				Unlikely	6/1/2016	2016	19:02:23 GMT-04:00	BG & JM	John Miller	Suburban Residential	Lees Corner		Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0361021264	Difficult Run				Unlikely	6/2/2016	2016	14:57:18 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Crossfield	May be source of nuisance flooding due to downstream ditch that is filled.	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0361021324	Difficult Run				Unlikely	6/2/2016	2016	14:48:42 GMT-04:00	BG & JM	John Miller	Suburban Residential	Crossfield		Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0401415533	Pimmit Run				Unlikely	6/8/2016	2016	15:27:55 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Lemon Road	Not recommended for future monitoring. Likely not on school property.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0432513605	Cub Run	Yes	Trackdown needed		Trackdown needed	6/9/2016	2016	12:23:51 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Westfield ES Site	Some sediment accumulation.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	Yes	Moderate
STMN0453040240	Cub Run				Unlikely	6/1/2016	2016	17:31:15 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Poplar Tree	None	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0453040271	Cub Run				Unlikely	6/1/2016	2016	17:38:24 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Poplar Tree	None	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0453040632	Cub Run				Unlikely	6/1/2016	2016	17:50:28 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Poplar Tree	Not recommended for future monitoring. Difficult to access. Riser dimensions are 38in x 84in x 76in	Closed Pipe	CMP - Corrugated Metal Pipe	Circular	Double			Good	No	
STMN0453040866	Cub Run				Unlikely	6/1/2016	2016	17:59:30 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Poplar Tree	Not recommended for future monitoring. Difficult access.	Closed Pipe	CMP - Corrugated Metal Pipe	Circular	Single			Good	No	
STMN0464036816	Difficult Run	Yes	Unlikely		Unlikely	6/2/2016	2016	13:48:50 GMT-04:00	BG & JM	John Miller	Suburban Residential	Waples Mill	Discharge from large BMP.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	Yes	Moderate

Stormnet ID	Discharges To	Water Temp	pH	Specific Conductivity	Copper	Phenol	Fluoride	Detergents	Chlorine	Ammonia	Potassium	Flow Physical Indicators	Odor	Odor Severity	Color	Color Severity	Turbidity	Turbid Severity	Floatables	Floatables Severity	Nonflow Physical Indicators	Stains	Stain Notes	Abnormal Vegetation	Vegetation Notes	Pool Quality	Pool Notes	Algae	Algae Notes	In Field				
STMN0223405549		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0223405550		24.3	7.14	0.394	0	0.354	0.2	0.46	0	0	0	No									Yes	Other												
STMN0244515329		20.8	7.55	0.658	1.649	0.051	0.1	0.09	0	0	0	No									Yes		Other	Red	Excessive Algae									
STMN0261013935		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0262012538		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0262013273		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0262013589		0.0	0	0	0	0	0	0	0	0	0	No									Yes	Flow Line	Residual wetness held within sediment											
STMN0262013685		24.2	7.49	0.295	0.331	0.23	0.1	0.24	0	0	0	No									Yes	Other	Green/orange stains on side of pipe. Some paint chips in pool.	Brown										
STMN0262013802		0.0	0	0	0	0	0	0	0	0	0	No									Yes	Flow Line												
STMN0262014404		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0304413034		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0313412306		22.5	6.93	0.186	0	0.201	0	0.12	0	0	0	No																						
STMN0342024596		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0351022111		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0351022188		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0351022254		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0353030249		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0353030399		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0361021264		0.0	0	0	0	0	0	0	0	0	0	No									Yes	Flow Line	Wet marks on inside of pipe											
STMN0361021324		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0401415533		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0432513605		23.5	7.27	0.677	0.347	0.591	0.2	0.09	0	0	0	No									Yes		Green	Lots of mowed g										
STMN0453040240		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0453040271		0.0	0	0	0	0	0	0	0	0	0	No									Yes	Other	Sediment/mud											
STMN0453040632		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0453040866		0.0	0	0	0	0	0	0	0	0	0	No																						
STMN0464036816		26.7	7.35	0.297	0.262	0.158	0.7	0.06	0	0	0	No																						

Stormnet ID	Watershed	Retest Required	Retest Results	Track Down Results	Outfall Characterization	Date Inspected	Year	Time Inspected	Investigators	Recorder	Landuse	Known Industries	Notes/Comments	Location	Pipe Material	Pipe Shape	Number of Pipes	Pipe Width	Pipe Height	Headwall Condition	Flow Observed	Flow Rate
STMN0481035072	Accotink Creek	Yes	Trackdown needed		Trackdown needed	6/7/2016	2016	11:20:41 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Oakton	None	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	Yes	Moderate
STMN0481035304	Accotink Creek				Unlikely	6/2/2016	2016	11:40:16 GMT-04:00	BG & JM	John Miller	Suburban Residential	Oakton	Trash and sed accumulation.	Open Drainage	Concrete Ditch	Trapezoid		80 top, 42 bottom	14	Good	No	
STMN0481035374	Accotink Creek				Unlikely	6/2/2016	2016	11:46:49 GMT-04:00	BG & JM	John Miller	Suburban Residential	Oakton	Lots of sediment in outfall	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0481035606	Accotink Creek				Unlikely	6/2/2016	2016	11:57:02 GMT-04:00	BG & JM	John Miller	Suburban Residential	Oakton	Half full of sediment	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0491419717	Accotink Creek				Unlikely	6/2/2016	2016	10:45:09 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Stenwood	Slightly overgrown, in water, may need to be cleared of sediment.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Spalling, Cracking, or Chipping	No	
STMN0642513625	Cub Run				Unlikely	6/8/2016	2016	13:35:54 GMT-04:00	BG & JM	John Miller	Suburban Residential	Bull Run	Needs to be cleared out badly.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0642513629	Cub Run				Unlikely	6/8/2016	2016	13:48:49 GMT-04:00	BG & JM	John Miller	Suburban Residential	Bull Run		Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0642513631	Cub Run				Unlikely	6/8/2016	2016	13:55:49 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Bull Run	Difficult access, county BMP.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0642513909	Cub Run				Unlikely	6/8/2016	2016	13:20:31 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Bull Run	Eroded spillway	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0662511733	Little Rocky Run				Unlikely	6/1/2016	2016	17:07:01 GMT-04:00	BG & JM	John Miller	Suburban Residential	Willow Springs		Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0662511738	Little Rocky Run				Unlikely	6/1/2016	2016	17:03:00 GMT-04:00	BG & JM	John Miller	Suburban Residential	Willow Springs		Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0691441887	Accotink Creek				Unlikely	5/26/2016	2016	17:51:36 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Olde Creek	None	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0692441831	Accotink Creek				Unlikely	5/26/2016	2016	17:29:29 GMT-04:00	BG & JM	John Miller	Suburban Residential	Little Run		Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0701440558	Accotink Creek				Unlikely	5/26/2016	2016	17:06:03 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Canterbury Woods	Trash and overgrown/debris.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Double			Good	No	
STMN0754470099	Popes Head Creek				Unlikely	6/1/2016	2016	16:43:06 GMT-04:00	BG & JM	John Miller	Suburban Residential	Former Clifton ES		Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN0771459104	Pohick Creek				Potential	6/1/2016	2016	15:44:16 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Fairview	Severe urban stream syndrome. Outfall structure is emerging from hill slope.	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Spalling, Cracking, or Chipping	No	
STMN0771459331	Pohick Creek				Unlikely	6/1/2016	2016	15:59:35 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Fairview	Maintenance needed.	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Spalling, Cracking, or Chipping	No	
STMN0794466362	Accotink Creek				Potential	5/26/2016	2016	14:50:00 GMT-04:00	BG & JM	John Miller	Suburban Residential	Keene Mill		Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	Yes	Trickle
STMN0872477750	Pohick Creek				Unlikely	6/1/2016	2016	15:09:33 GMT-04:00	BG & JM	John Miller	Suburban Residential	Fairfax Baptist Temple	Heavily sediment end	Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN0984496161	Pohick Creek				Unlikely	5/26/2016	2016	14:21:42 GMT-04:00	BG & JM	John Miller	Suburban Residential	Saratoga		Closed Pipe	RCP - Reinforced Concrete Pipe	Elliptical	Single			Good	No	
STMN1074052345	Pohick Creek	Yes	Trackdown needed	Unlikely	Unlikely	6/1/2016	2016	11:24:25 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Lorton Station	Small amount of sediment in pipe	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	Yes	Moderate
STMN1111498142	Little Hunting Creek				Unlikely	5/26/2016	2016	09:20:44 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Fort Hunt	Trash, Maintenance needed	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN1111498147	Little Hunting Creek				Unlikely	5/26/2016	2016	09:34:40 GMT-04:00	BG & JM	John Miller	Suburban Residential	Fort Hunt		Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	
STMN1111498151	Little Hunting Creek				Unlikely	5/26/2016	2016	09:57:17 GMT-04:00	BG & JM	Ben Green	Suburban Residential	Fort Hunt	Trash, maintenance needed	Closed Pipe	RCP - Reinforced Concrete Pipe	Circular	Single			Good	No	

Stormnet ID	Discharges To	Water Temp	pH	Specific Conductivity	Copper	Phenol	Fluoride	Detergents	Chlorine	Ammonia	Potassium	Flow Physical Indicators	Odor	Odor Severity	Color	Color Severity	Turbidity	Turbid Severity	Floatables	Floatables Severity	Nonflow Physical Indicators	Stains	Stain Notes	Abnormal Vegetation	Vegetation Notes	Pool Quality	Pool Notes	Algae	Algae Notes	In Field	
STMN0481035072		22.5	7.08	0.202	0	0.471	0.2	0.05	0	0	0	No									Yes	Flow Line	Green colored on sides								
STMN0481035304		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0481035374		0.0	0	0	0	0	0	0	0	0	0	No									Yes	Oily									
STMN0481035606		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0491419717		0.0	0	0	0	0	0	0	0	0	0	No									Yes	Flow Line									
STMN0642513625		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0642513629		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0642513631		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0642513909		0.0	0	0	0	0	0	0	0	0	0	No									Yes	Other	Green/grey stains								
STMN0662511733		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0662511738		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0691441887		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0692441831		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0701440558		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0754470099		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0771459104		0.0	0	0	0	0	0	0	0	0	0	No									Yes	Other	Muddy, rust colored deposits								
STMN0771459331		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0794466362		18.1	8.03	0.081	0.47	0.122	0	0.07	0	0	0	No									Yes			Green	Algae downstrea						
STMN0872477750		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN0984496161		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN1074052345		27.0	6.31	1.51	0.626	0.06	0.3	0.24	0	0	0	Yes			Orange	1 - Faint colors in sample bottle					Yes	Oily	Very orange deposits and surface oils present.							Oil Sheen	
STMN1111498142		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN1111498147		0.0	0	0	0	0	0	0	0	0	0	No																			
STMN1111498151		0.0	0	0	0	0	0	0	0	0	0	No																			

Track Down Report
RACHEL CARSON MIDDLE SCHOOL

Location of site inspection manhole at blue arrow.



Site visit on June 21, 2016
Some ground water intrusion, but no flow in the pipe. Pic taken through the bars on the drain cover



Site visit on July 11, 2016
No flow in the pipe



Conclusion: No illicit discharge observed. No further action necessary.

____Holly Moran____ __July 11, 2016____

Name

Date

Track Down Report
LORTON STATION ELEMENTARY SCHOOL

Location of site inspection manhole at blue arrow.



Site visit on June 9, 2016
Some ground water intrusion from the top of the catch basin but no flow in the pipe.



Site visit on June 14, 2016
Some groundwater intrusion from the top of the catch basin but no flow in the pipe



Conclusion: No illicit discharge observed. No further action necessary.

____ Holly Moran ____ June 14, 2016 ____

Name

Date


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Waples Mill students put focus on environmentalism

Story **Comments**

Print Font Size:

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STAMP [Science, Technology, Art, Music, Philanthropy] volunteers at Waples Mill Elementary School recently worked to label storm drains on school grounds and the vicinity.

Posted: Sunday, October 25, 2015 9:30 am

0 comments

On Sept. 27, STAMP [Science, Technology, Art, Music, Philanthropy] volunteers at Waples Mill Elementary School – including students of all ages, their parents and members of Cub Scout Pack 1530 – labeled 184 storm drains around the school.

Counting the drains labeled at two previous labeling events, they have now labeled approximately 70 percent of the storm drains within the school's boundaries and educated several thousand households with the message "No Dumping."

The effort aims to label all of the drains by the end of the school year.

The Northern Virginia Soil and Water Conservation District relies almost exclusively on volunteers to label tens of thousands of storm drains in the region, and expressed its thanks to those at the elementary school is for protecting Difficult Run, the Potomac River, the Chesapeake Bay and the Atlantic Ocean.

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S Recycling Program

Supports recycling! As citizens of the earth and stewards of our environment, we recognize that recycling has many benefits to our community. Our recycling program serves several purposes:

Our recycling program serves several purposes:

- Contribute to a cleaner environment
- Educate students on the benefits of recycling
- Divert materials from the waste stream
- Generate financial savings from reduced waste disposal

FCPS follows a single stream recycling process. **Single-stream recycling** (also known as "fully commingled" or "single-sort") recycling refers to a system in which all paper fibers, plastics, metals, and other containers are mixed in a collection dumpster, instead of being sorted by the depositor into separate commodities (newspaper, paperboard, corrugated fiberboard, plastic, glass, etc.) and handled separately throughout the collection process. In single-stream recycling, both the collection and processing systems are designed to handle this fully commingled mixture of recyclables, with materials being separated for reuse at a recycling facility.

Recycling at Your School

All Fairfax County Public Schools have been supplied with recycling dumpsters. If your school would like to make the most of this opportunity, here are some easy steps to follow:

1. The principal or program manager should appoint a liaison to administer and implement the recycling program within each school ([Regulation R8541](#)). The liaison will identify the persons in the school who will be responsible for emptying the recyclable materials. If the liaison or appointed staff separate or sort the contaminated materials, the custodians can dispose of it in the proper refuse container. **NOTE: Sorting contaminated recyclables should not be the responsibility of the custodial staff as this will take needed time from their cleaning duties.**
2. As part of the effort to ensure that all schools are able to sufficiently implement a recycling program, The Office of Facilities Management identified and purchased recycling containers for the collection of recycled materials throughout all of the facilities in FCPS. Listed below are a breakdown of container types and the distribution of these containers to each school type. If additional collection containers are needed at your school, they can be purchased through the **Guernsey Office Supply catalog** in [FOCUS](#) (FCPS Employees Only).

23 Gallon Slim Jim Containers with Bottle and Can Slotted Tops: These containers are to be used for the collection of bottles and cans throughout the facility.

- ALL schools received one (1) of these containers for each of their teacher's lounges
- High and Secondary schools received additional Slim Jim containers for the hallway intersections throughout the school
- High and Secondary schools received four (4) of these containers for the cafeteria
- Middle and Elementary schools received two (2) of these containers for the cafeteria

7 Gallon Recycling Containers: These containers will be used to collect mixed paper and cardboard from classroom and office areas.

- ALL schools received one (1) of these containers for each classroom and office area



DASHBOARD

[Recycling Poster](#)

[Waste to Energy Poster](#)

[Download Source Data](#)

[Environmental Stewardship](#)

[Fairfax County Recycling Program](#)

Contact Information

Scott Larson, Coordinator

Scott.Larson@fcps.edu

Sideburn Support Center

5025 Sideburn Road

Fairfax, VA 22032

Did you Know..

Recycling one aluminum can saves enough energy to run a TV for three hours [?]

Recycling all newspapers could save 250,000,000 trees a year! [?]

36 jobs are created per 10,000 tons of material recycled compared to 6 jobs for every 10,000 tons of trash to disposal facilities. [?]

3. Each school has been issued recycling and waste to energy posters that should be displayed throughout the school. These posters describe the items that are recyclable as well as the items that are considered refuse which end up at the [Covanta Plant](#).



[Recycling Poster](#)



[Waste to Energy Poster](#)

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Curator: Liz Hatcher lhatcher@fcps.edu
Department of Facilities & Transportation Services - Administrative Services
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Recycling & Trash

By Facility Top Recyclers

Elementary

- Aldrin ES
- Annandale Terrace ES
- Armstrong ES
- Bailey's ES
- Bailey's Upper ES
- Beech Tree ES
- Belle View ES
- Belvedere ES
- Bonnie Brae ES
- Braddock ES
- Bren Mar Park ES
- Brookfield ES
- Bucknell ES
- Bull Run ES
- Bush Hill ES
- Camelot ES
- Cameron ES
- Canterbury Woods ES
- Cardinal Forest ES
- Cedar Lane ES
- Centre Ridge ES

Middle

Secondary

High

Center

Aldrin ES
(Weight in lbs. - 12 Month Cycle)

Month	Recycling (lbs)	Trash (lbs)
Jul-15	1,000	5,200
Aug-15	1,800	6,400
Sep-15	3,100	2,100
Oct-15	2,800	1,800
Nov-15	3,200	4,800
Dec-15	2,700	5,200
Jan-16	2,500	3,100
Feb-16	2,900	5,000
Mar-16	2,400	5,100
Apr-16	2,700	5,300
May-16	2,600	5,800
Jun-16	3,400	6,300

12 MONTH TOTAL
(July 2015 - June 2016)

Category	Weight (lbs)	Percentage
TRASH	56,560	64.43%
RECYCLING	31,230	35.57%

**IF YOU WERE TO RECYCLE
31,230 lbs. = 16 Tons
OF PAPER EACH YEAR, YOU COULD HELP SAVE:**

**NUMBER OF TREES
265**

Download Data

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APPENDIX D

Stormwater Management Facilities Brought Online

Facility ID	Function	Maintained By	Date Installed	BMP Name	Practice Description	Drainage Area (ac)	Total Acres Treated (ac)	Impervious Acres Treated (ac)	Pervious Acres Treated (ac)	Runoff Captured (ac-ft)	Amount Applied	Measurement Unit	Latitude	Longitude	Inspect Date/Year	Routine Maintenance Date/Year	PMA	Watershed	VAHUC6
TF0293	BMP	Public	7/9/2015	MANUFACTURED BMP (PROPRIETARY)	Filtterra	0.24	0.24	0.24	0.00	0.010	0.24	ACRE	38.75766416	-77.08919155	11/23/2015	4/13/2016	No	Little Hunting Creek	PL28
RF0022	BMP	Public	9/16/2015	REFORESTATION		0.46	0.46	0.00	0.46	0.019	0.46	ACRE	38.81899905	-77.24973941			No	Accotink Creek	PL30
RF0023	BMP	Public	9/16/2015	REFORESTATION		0.4	0.4	0.00	0.40	0.017	0.4	ACRE	38.8189657	-77.24888861			No	Accotink Creek	PL30
TF0311	BMP	Public	9/16/2015	MANUFACTURED BMP (PROPRIETARY)	Filtterra	0.35	0.35	0.32	0.03	0.013	0.35	ACRE	38.81998465	-77.25067921		4/20/2016	No	Accotink Creek	PL30
TF0312	BMP	Public	9/16/2015	MANUFACTURED BMP (PROPRIETARY)	Filtterra	0.3	0.3	0.28	0.03	0.012	0.3	ACRE	38.82013407	-77.25079757		4/20/2016	No	Accotink Creek	PL30
TF0313	BMP	Public	9/16/2015	MANUFACTURED BMP (PROPRIETARY)	Filtterra	0.4	0.4	0.37	0.04	0.015	0.4	ACRE	38.82056481	-77.25041473		4/20/2016	No	Accotink Creek	PL30
TF0314	BMP	Public	9/16/2015	MANUFACTURED BMP (PROPRIETARY)	Filtterra	0.15	0.15	0.14	0.01	0.006	0.15	ACRE	38.82102674	-77.25038821		4/20/2016	No	Accotink Creek	PL30
TF0315	BMP	Public	9/16/2015	MANUFACTURED BMP (PROPRIETARY)	Filtterra	0.34	0.34	0.31	0.03	0.014	0.34	ACRE	38.82130181	-77.24961293		4/20/2016	No	Accotink Creek	PL30

APPENDIX E

Nutrient Management Plan Locations and Planning Status

Custodial “Notice” No Dumping Poster

Pollution Prevention and Good Housekeeping Training Tracking Sheet

Pesticide applicator certifications

FCPS Elementary School Fields Requiring NMPs

School Name	Acres	Field Type	Latitude	Longitude	NMP Complete
Bull Run ES	1.17	RF	38.827679	-77.474513	Y
Canterbury Woods ES	1.80	BB	38.819565	-77.249664	Y
Centre Ridge ES	1.21	RF	38.825763	-77.447276	Y
Clearview ES	1.78	RF	38.982483	-77.391609	Y
Coates ES	2.03	MP	38.952459	-77.420248	Y
Colin Powell ES	1.14	RF	38.846786	-77.407891	Y
Colvin Run ES	1.10	RF	38.947623	-77.266035	
Colvin Run ES	1.13	RF	38.947274	-77.265526	
Crossfield ES	1.50	RF	38.915095	-77.361018	Y
Daniels Run ES	1.23	BB	38.851732	-77.295047	
Flint Hill ES	1.38	MP	38.896628	-77.286057	Y
Freedom Hill ES	1.19	RF	38.910971	-77.228785	Y
Herndon ES	1.25	RF	38.975525	-77.374875	Y
Marshall Road ES	1.94	MP	38.881881	-77.265136	Y
McNair ES	1.18	RF	38.947828	-77.403395	Y
McNair ES	1.18	RF	38.947325	-77.402799	Y
North Springfield ES	1.48	RF	38.802468	-77.207267	Y
Vienna ES	1.96	BB	38.900651	-77.261621	
Waples Mill ES	1.57	RF	38.875706	-77.343981	Y
Willow Springs ES	1.30	RF	38.832159	-77.37866	Y
Wolftrap ES	1.07	MP	38.917777	-77.265196	Y
Total Acres	29.59				24.17

FCPS Middle School Fields Requiring NMPs

School Name	Acres	Field Type	Latitude	Longitude	NMPs Completed
Carl Sandburg	1.72	RF	38.729818	-77.064032	Y
Carl Sandburg	1.78	BB	38.729061	-77.064298	Y
Franklin MS	1.60	RF	38.906398	-77.422018	Y
Kilmer MS	1.01	RF	38.905942	-77.224872	Y
Kilmer MS	1.67	RF	38.905639	-77.223932	Y
South County MS	1.63	RF	38.721672	-77.243449	
Stone MS	1.27	RF	38.856186	-77.456688	
Total Acres	10.68				7.78

FCPS High School and Secondary School Fields Requiring NMPs

School Name	Acres	Field Name	Field Type	Size	Latitude	Longitude	NMPs Completed
Annandale HS	2.41	1	BB	90	38.822653	-77.211097	
Centreville HS	2.39	1	BB	90	38.825262	-77.40886	
Chantilly HS	2.48	1	BB	90	38.878644	-77.407824	
Edison HS	2.22	1	BB	90	38.780876	-77.13158	
Falls Church HS	1.62	1	BB	90	38.862399	-77.209376	Y
Hayfield SS	2.53	1	BB	90	38.751867	-77.141143	
Herndon HS	1.97	1	BB	90	38.988213	-77.37533	Y
Jefferson HS	1.51	Stadium	RF		38.821455	-77.168806	
Jefferson HS	2.33	RF #1	RF		38.8203	-77.168051	
Jefferson HS	2.25	1	BB	90	38.820276	-77.169125	Y
Lake Braddock SS	1.13	RF #2	RF		38.803993	-77.261859	
Lake Braddock SS	2.53	1	BB	90	38.803775	-77.262891	
Langley HS	1.88	2	RF		38.95204	-77.164288	
Langley HS	2.05	RF #1	RF		38.952791	-77.166256	
Langley HS	2.05	1	BB	90	38.951303	-77.16446	
Lee HS	1.18	RF #1	RF		38.781271	-77.167943	
Lee HS	2.32	1	BB	90	38.778687	-77.170356	
Madison HS	2.29	1	BB	90	38.897537	-77.279657	
Marshall HS	1.25	RF #3	RF		38.903116	-77.21357	
Marshall HS	2.45	1	BB	90	38.904245	-77.21228	Y
McLean HS	1.41	RF #1	RF		38.922412	-77.18319	
McLean HS	1.93	0	BB	60	38.921557	-77.185808	Y
McLean HS	2.27	1	BB	90	38.92221	-77.184599	Y
Mt Vernon HS	1.53	RF #1	RF		38.724245	-77.093852	
Mt Vernon HS	2.46	1	BB	90	38.724756	-77.092659	Y
Oakton HS	1.26	RF #2	RF		38.88101	-77.280897	
Oakton HS	2.22	1	BB	90	38.881068	-77.281933	
Robinson SS	2.21	2	MP	90	38.818296	-77.305061	
Robinson SS	2.46	RF #2	RF		38.817751	-77.307867	
Robinson SS	2.70	1	BB	90	38.817933	-77.306542	Y
South County HS	1.70	<Null>	RF		38.720647	-77.242374	
South County HS	1.74	RF #1	RF		38.720334	-77.241433	
South County HS	1.88	<Null>	RF		38.721616	-77.24056	
South County HS	2.51	1	BB	90	38.720014	-77.239823	
South Lakes HS	2.49	1	BB	90	38.934321	-77.341299	
Stuart HS	1.82	1	BB	90	38.855662	-77.148581	
West Potomac HS	1.99	1	BB	90	38.774367	77.074601	Y
West Potomac HS	1.06	<Null>	RF		38.773521	-77.074593	
West Springfield HS	1.73	RF #1	RF		38.783839	-77.241632	
West Springfield HS	2.17	1	BB	90	38.78388	-77.240444	Y
Westfield HS	1.40	RF #4	RF		38.888389	-77.468154	
Westfield HS	1.53	RF #1	RF		38.885178	-77.466143	
Westfield HS	1.90	RF #3	RF		38.885648	-77.467205	
Westfield HS	2.07	1	BB	90	38.886739	-77.46687	
Woodson HS	1.13	RF #3	RF		38.836104	-77.276102	
Woodson HS	1.69	RF #2	RF		38.83795	-77.276115	
Woodson HS	2.31	RF #4	RF		38.835901	-77.275184	
Woodson HS	2.43	1	BB	90	38.836297	-77.277409	
Total Acres	94.82						21.82

FCPS Other Fields Requiring NMPs

Fields	Acres	Field Type	Latitude	Longitude	NMPs Completed
ALT-HS					
Burke Center	1.36	RF	38.783122	-77.277634	Y
Dunn Loring Center	1.49	RF	38.896384	-77.227642	Y
Leis Center	1.59	MP	38.85668	-77.202873	Y
Total Acres	4.44				4.44

NOTICE:

#8

Emptying chemicals or cleaning solutions outside of the building is prohibited.



NO! ¡NO! 안됩니다! KHÔNG!

Está prohibido botar productos químicos o de limpieza fuera del edificio.

화학 용품이나 세척 용액들을 건물밖에 버리는 것을 금합니다.

Cấm đổ hóa chất hay chất lau chùi ngoài trường ốc.

Empty chemicals or cleaning solutions in custodial sinks or toilets.



YES! ¡SÍ! 예! CÓ!

Botar los productos químicos o de limpieza en los fregaderos de los conserjes o en los inodoros.

화학 용품이나 세척 용액들을 청소용 싱크대나 변기에 버려도 됩니다.

Đổ hóa chất và chất lau chùi trong các bồn rửa hay phòng vệ sinh của bảo quản.

Course Roster

Course Title:FCPS - MS4 Good Housekeeping and Pollution Prevention Training
 Section Title:FCPS - MS4 Good Housekeeping and Pollution Prevention Training
 Dates:April 25, 2016 - April 25, 2017
 Total Enrolled:67
 Value Type:null
 Value:1.0
 Offering University:null
 Facility:
 Start Time:2:00 PM
 Instructor(s):

	Name	School/District	Demographics	Enroll Date	Registration Status
1.	Alva, Armando	Facilities Mgmt, Facilities & Transprtatn Srvc Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter I	06/06/2016	Completed
2.	Appiah, George	Facilities Mgmt, Facilities & Transprtatn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/23/2016	Completed
3.	Atkins, Kevin E	Facilities Mgmt, Facilities & Transprtatn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/24/2016	Completed
4.	Bargar, Robert W	Facilities Mgmt, Facilities & Transprtatn Srvc Sideburn Support Center, Non-Region	Contract Contract: Coordinator 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Coord III, FcS Asset Managemnt	05/03/2016	Completed
5.	Bennett, David M	Facilities Mgmt, Facilities & Transprtatn Srvc Sideburn Support Center, Non-Region	Contract Contract: Coordinator 12 mo Department Department: Facilities & Transprtatn Srvc	06/06/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
6. Berryman, Grayling E	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Coord III, Infrast & Envir Eng	06/22/2016	Completed
7. Blevins, Ralph W	Edison Support Center, Non-Region Facilities Mgmt, Facilities & Transprttn Svcs	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper Supervisor	06/29/2016	Completed
8. Bloomingdale, John T	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Functional Manager 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Manager, Satellite Operations	06/23/2016	Completed
9. Bowler, Edward A	Facilities Mgmt, Facilities & Transprttn Svcs Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	05/02/2016	Completed
10. Boyle, Charles J	Facilities Mgmt, Facilities & Transprttn Svcs Herndon Support Center, Non-Region	Contract Contract: Coordinator 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Coord II, Facilities Mngmnt	05/02/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
11. Brammer, J W	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper II	06/28/2016	Completed
12. Brammer, Timothy L	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Grounds Equipment Tech II	06/22/2016	Completed
13. Brown, Ronald H	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/28/2016	Completed
14. Burney, Kyle S	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper II	06/24/2016	Completed
15. Burns, Robert J	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper II	06/24/2016	Completed
16. Caridakis, George A	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts	06/23/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
17. Chavez, Remberto T	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Position Detail: Skilled Crafts: Grounds Equipment Supervisor Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/23/2016	Completed
18. Clark, Michael K	Facilities Mgmt, Facilities & Transprttn Svcs Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter II	05/03/2016	Completed
19. Clement, William M	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Grounds Equipment Tech I	06/23/2016	Completed
20. Cunningham, William F	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/23/2016	Completed
21. Dawson, Sean A	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Grounds Equipment Tech I	06/22/2016	Completed
22. Deavers, Louis A	Facilities Mgmt, Facilities & Transprttn Svcs Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs	05/05/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
23. Dineen, Amy L	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter I	06/22/2016	Completed
24. Dixon, Gregory L	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Functional Manager 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Manager, Grounds Operations	06/23/2016	Completed
25. Ellis, David W	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/23/2016	Completed
26. Ellis, Robert C	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper II	06/23/2016	Completed
27. Ford, John W	Facilities Mgmt, Facilities & Transprttn Svcs Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Grounds Equipment Tech I	05/02/2016	Completed
28. Gagne, Jeffrey A	Facilities Mgmt, Facilities & Transprttn Svcs	Contract	05/11/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
29. Garrett, David W	Sideburn Support Center, Non-Region	Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter I	05/03/2016	Completed
30. Gaultrey, Jeffrey W	Facilities Mgmt, Facilities & Transprttn Svcs Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter II	06/28/2016	Completed
31. Harsh, Timothy E	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Technician 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Technicians Position Detail: Technicians: Field Representatv, Facilities	06/23/2016	Completed
32. Hensberger, Alan W	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper II	06/27/2016	Completed
33. Hudson, Coleman	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/23/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
34. Hunsberger, Thomas W	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter II	05/03/2016	Completed
35. Hutchison, Christopher D	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper II	06/28/2016	Completed
36. Jones, James D	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Grounds Equipment Tech I	06/23/2016	Completed
37. Kharel, Narayan	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter I	06/02/2016	Completed
38. Kritselis, Danash	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter I	06/03/2016	Completed
39. Langhorne, Gary M	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper Senior Supv	06/24/2016	Completed

	Name	School/District	Demographics	Enroll Date	Registration Status
40.	Larson, Scott A	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Coordinator 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Coord III, Custodial Ops	05/26/2016	Completed
41.	Lopez, Tomas D	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper Supervisor	06/22/2016	Completed
42.	Marchante, Jonathan J	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/22/2016	Completed
43.	Mercer, Christopher A	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Heavy Equipment Operator	06/24/2016	Completed
44.	Monteleone, Joshua W	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Heavy Equipment Operator	06/23/2016	Completed
45.	Moran, Holly M	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Tech Spec 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt	04/25/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
46. Newcomb, Mark H	Facilities Mgmt, Facilities & Transprtatn Srvc Sideburn Support Center, Non-Region	Position Detail Position Detail: Technicians Position Detail: Technicians: FcS Environmental Specialist Contract Contract: Coordinator 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Coord II, Facilities Mngmnt	05/05/2016	Completed
47. Payne, Larry D	Facilities Mgmt, Facilities & Transprtatn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Grounds Equipment Tech I	06/22/2016	Completed
48. Phillips, Brandon A	Facilities Mgmt, Facilities & Transprtatn Srvc Woodson Complex, Non-Region	Contract Contract: Business Spec 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Technicians Position Detail: Technicians: Facilities Management Liaison	06/28/2016	Completed
49. Phillips, Christina M	Facilities Mgmt, Facilities & Transprtatn Srvc Sideburn Support Center, Non-Region	Contract Contract: Coordinator 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Coord II, Facilities Mngmnt	05/06/2016	Completed
50. Pischedda, Giovanna M	Glen Forest Elem, Region 2 Glen Forest Elem, Region 2	Contract Contract: Custodian 12 mo Department Department: Region 2 Department: Region 2: Glen Forest Elem Position Detail Position Detail: Service Workers Position Detail: Service Workers: Bldg Supv I	04/25/2016	Completed
51. Rasnake, Donald E	Facilities Mgmt, Facilities & Transprtatn Srvc Herndon Support Center, Non-Region	Contract Contract: Functional Manager 12 mo Department	06/22/2016	Completed

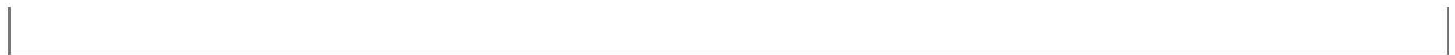
Name	School/District	Demographics	Enroll Date	Registration Status
52. Reinoso, Gerardo A	Facilities Mgmt, Facilities & Transprtatn Srvc Woodson Complex, Non-Region	Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Manager, Satellite Operations	06/24/2016	Completed
53. Rodas, Emilio R	Facilities Mgmt, Facilities & Transprtatn Srvc Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper Senior Supv	06/02/2016	Completed
54. Rodriguez, Orlando D	Facilities Mgmt, Facilities & Transprtatn Srvc Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter II	05/11/2016	Completed
55. Rudder, Trevor A	Facilities Mgmt, Facilities & Transprtatn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/28/2016	Completed
56. Sattler, David R	Facilities Mgmt, Facilities & Transprtatn Srvc Sideburn Support Center, Non-Region	Contract Contract: Coordinator 12 mo Department Department: Facilities & Transprtatn Srvc Department: Facilities & Transprtatn Srvc: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Coord III, Energy Management	05/25/2016	Completed
57. Schull, Mark C			06/24/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Business Spec 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Technicians Position Detail: Technicians: Facilities Management Liaison		
58. Semper, Nokia C	Facilities Mgmt, Facilities & Transprttn Srvc Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/23/2016	Completed
59. Stewart, Jeffrey W	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Functional Manager 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Officials, Adm, and Managers Position Detail: Officials, Adm, and Managers: Manager, Night Operations	05/02/2016	Completed
60. Taylor, Sondra L	Laurel Ridge Elem, Region 4 PreK-12 Curriculum & Instructn, Instructional Services	Contract Contract: Other Teacher 194 dys Department Department: Instructional Services Department: Instructional Services: PreK-12 Curriculum & Instructn Position Detail Position Detail: Other Classroom Teachers Position Detail: Other Classroom Teachers: Itinerant Music, Strings, Tchr	04/28/2016	Completed
61. Vallejos, Williams A	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter I	06/06/2016	Completed
62. Washington, Lawrence P	Facilities Mgmt, Facilities & Transprttn Srvc Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Srvc Department: Facilities & Transprttn Srvc: Facilities Mgmt Position Detail	06/03/2016	Completed

Name	School/District	Demographics	Enroll Date	Registration Status
63. Weeks, Randy E	Facilities Mgmt, Facilities & Transprttn Svcs Sideburn Support Center, Non-Region	Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter I Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Structrl Maint Apprentice I/II	05/12/2016	Completed
64. Williams, Mary T	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper Supervisor	06/23/2016	Completed
65. Wis, Charles J	Facilities Mgmt, Facilities & Transprttn Svcs Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Painter II	05/03/2016	Completed
66. Yanes, Fidel A	Facilities Mgmt, Facilities & Transprttn Svcs Woodson Complex, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Groundskeeper I (B)	06/23/2016	Completed
67. Younger, John O	Facilities Mgmt, Facilities & Transprttn Svcs Sideburn Support Center, Non-Region	Contract Contract: Trades 12 mo Department Department: Facilities & Transprttn Svcs Department: Facilities & Transprttn Svcs: Facilities Mgmt Position Detail Position Detail: Skilled Crafts Position Detail: Skilled Crafts: Structrl Maint Apprentice I/II	06/02/2016	Completed

Wait List

No one is on a wait list for this section.



VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
P O BOX 1163, RICHMOND VA 23218-1163

PESTICIDE APPLICATOR CERTIFICATE

Issued
08/01/2016

Expires
06/30/2017

GOVT EMPLOYEE
FOR BL# 2632



Fee Paid
EXEMPT

Certificate
78459-G

Issued in accordance with application duly executed by the person shown below who has agreed to comply with all applicable laws, rules and regulations

COREY A ALLEN
FAIRFAX COUNTY PUB SCHOOLS
17460 WILSON ST
DUMFRIES, VA 22026



Sandra J. Adams
Commissioner

Liza Fleeson Trossbach
Authorized Representative

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
Office of Pesticide Services
P O Box 1163
Richmond, VA 23218

COREY A ALLEN
FAIRFAX COUNTY PUB SCHOOLS
17460 WILSON ST
DUMFRIES, VA 22026

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

P O BOX 1163, RICHMOND VA 23219-1163

PESTICIDE APPLICATOR CERTIFICATE

Issued
05/08/2015

GOVT EMPLOYEE
FOR BL# 2634

Fee Paid
EXEMPT

Certificate
69352-G

Expires
06/30/2017



Issued in accordance with application duly executed by the person shown below who has agreed to comply with all applicable laws, rules and regulations

MAURICE STAFFORD SR
FAIRFAX CO PUBLIC SCHOOLS
9500 MOOREGATE CT
LORTON, VA 22079



Sandra J. Adams
Commissioner

Liza J. Fleeson
Authorized Representative

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
P O BOX 1163, RICHMOND VA 23218-1163

PESTICIDE APPLICATOR CERTIFICATE

Issued
08/01/2016

Expires
06/30/2018

GOVT EMPLOYEE
FOR BL# 2632

Fee Paid
EXEMPT

Certificate
109951-G



Issued in accordance with application duly executed by the person shown below who has agreed to comply with all applicable laws, rules and regulations

JACK T STARRY
FAIRFAX COUNTY PUB SCHOOLS
11 VIRGINIA AVE
BOYCE, VA 22620



Sandra J. Adams
Commissioner

Liza Fleeson Trossbach
Authorized Representative

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
Office of Pesticide Services
P O Box 1163
Richmond, VA 23218

JACK T STARRY
FAIRFAX COUNTY PUB SCHOOLS
11 VIRGINIA AVE
BOYCE, VA 22620

VIRGINIA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES
P O BOX 1163, RICHMOND VA 23219-1163

PESTICIDE APPLICATOR CERTIFICATE

Issued
06/06/2016

Expires
06/30/2018

GOVT EMPLOYEE
FOR BL# 7725

Fee Paid
EXEMPT

Certificate
80292-G



Issued in accordance with application duly executed by the person shown below who has agreed to comply with all applicable laws, rules and regulations

WALTER L RILEY
PRINCE WILLIAM CO PUBLIC SCHOOLS
11573 OVERLEIGH DR
WOODBIDGE, VA 22192



Sandra J. Adams
Commissioner

Liza Fleeson Trossbach
Authorized Representative

APPENDIX F

Letter of Continued Support from Fairfax County




County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

FEB 26 2015

Dr. Karen Garza
Superintendent
Fairfax County Public Schools
8115 Gatehouse Road
Falls Church, VA 22042

Reference: Agreement between the Fairfax County Government and the Fairfax County Public Schools to Share Responsibility for Certain Stormwater Services

Dear Dr.  Garza:

The purpose of this letter is to identify the support the Fairfax County Government (County) provides, and which the County expects to continue providing, to Fairfax County Public Schools (FCPS) in achieving compliance with certain requirements and obligations of FCPS' Phase II General Permit for Discharges from Small Municipal Separate Storm Sewer Systems (MS4). The County has been working with FCPS since 2006 to establish a formal agreement to share responsibility in achieving compliance with certain stormwater requirements and obligations. The agreement has been evolving due to changing permit requirements and obligations in the County's anticipated renewed Phase I MS4 Permit. In order to enhance the County's environmental stewardship and achieve further efficiency and collaboration with FCPS, the County began providing certain services in advance of reaching a final agreement by coordinating roles and addressing issues as needed to meet FCPS' MS4 permit element requirements.

The County and FCPS have worked together to meet the requirements of the Illicit Discharge Detection and Elimination section of the permit and the County has assisted FCPS in developing a map and information table for the FCPS MS4. County staff also began conducting dry weather screening in 2014 to detect illicit discharges to the FCPS MS4 and report any discharges detected for track down and resolution.

The County prepared and maintains an inventory of Post-Construction Stormwater Management facilities on FCPS properties, performs required stormwater management facility inspections, and performs structural maintenance consistent with County policies/procedures to ensure proper operation and maintenance of all. These activities are also tracked and documented.

Dr. Karen Garza

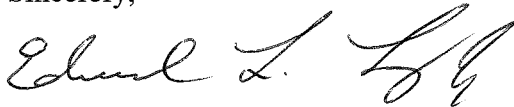
Agreement between the Fairfax County Government and the Fairfax County Public Schools to
Share Responsibility for Certain Stormwater Services

Page 2 of 2

In order to assist FCPS achieve compliance with the Pollution Prevention/Good Housekeeping section of the MS4 permit, the County is helping FCPS in identifying all high priority FCPS facilities and working collaboratively to develop and maintain an individual Stormwater Pollution Prevention Plan for each high priority facility. Efforts are also underway to assist in identifying all FCPS land where nutrients are applied to a contiguous area of more than one acre so that certified nutrient management plans may be developed for these FCPS properties within 60 months as required by the Phase II MS4 permit.

The County looks forward to working collaboratively towards a formal agreement with FCPS to share responsibility for certain stormwater requirements in furtherance of the County's long-standing and continued commitments to both environmental stewardship and education. We believe that working collaboratively with FCPS will increase the effectiveness of the MS4 program in improving water quality and allow for efficiency in both missions of these areas and benefit the residents of Fairfax County.

Sincerely,



Edward L. Long Jr.
County Executive

cc: Robert A. Stalzer, Deputy County Executive
James W. Patteson, Director, Department of Public Works and Environmental Services
Paul Emerick, Assistant County Attorney
Jeff Platenburg, Assistant Superintendent for Transportation and Facilities Management, Fairfax County Public Schools (FCPS)
Grady Carlson, Assistant Division Counsel, FCPS