



Fairfax County Public Schools

Municipal Separate Storm Sewer System (MS4) 2014-2015 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, 2015



Fairfax County Public Schools
Department of Facilities Management
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Fairfax, Virginia 22032

**General VPDES Permit for -
Small Municipal Separate Storm Sewer Systems -
Permit No. VAR040104 -
Year 2 Annual Report -
July 1, 2014 – June 30, 2015 -**

Fairfax County Public Schools -

Submitted by:

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Department of Facilities Management -
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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.....	5 -
BMP 1.B – Chesapeake Bay Nutrients.....	6 -
BMP 1.C – Nonpoint Source Pollution Prevention: Impacts of Polluted Stormwater on Streams.....	6 -
BMP 1.D – Water Quality Webpage	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.....	12 -
3.4 CONSTRUCTION SITE STORMWATER RUNOFF CONTROL (MCM #4)	13 -
BMP 4.A – Legal Authorities Utilized to Ensure Compliance	13 -
BMP 4.B – Plan Review and Approval Procedures.....	14 -
BMP 4.C – Inspection and Enforcement Procedures.....	14 -
BMP 4.D – Public Complaint Reporting Mechanism	14 -

BMP 4.E – Land Disturbing Activities Tracking System	14 -
3.5 POST-CONSTRUCTION STORMWATER MANAGEMENT (MCM #5)	15 -
BMP 5.A – Long Term Operation and Maintenance of BMP Facilities.....	15 -
BMP 5.B – Stormwater Facility BMP Tracking Database.....	16 -
3.6 POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS (MCM #6)	17 -
BMP 6.A – Sweeping Projects	18 -
BMP 6.B – Good Housekeeping Standard Operating Procedures for Daily Operations	18 -
BMP 6.C – Stormwater Pollution Prevention Plans for High-Priority Facilities	19 -
BMP 6.D – Turf and Landscape Nutrient Management Plans	19 -
BMP 6.E – Training on Recognition and Reporting of Illicit Discharges by Field Personnel.....	20 -
BMP 6.F – Training on Good Housekeeping and Pollution Prevention for Maintenance, Public Works, and Recreation Facility Staff	20 -
BMP 6.G – Certification for Pesticide and Herbicide Applicators	20 -
BMP 6.H – Proper State Certification for Erosion and Sediment Control.....	20 -
BMP 6.I – Spill Response Training for Emergency Personnel	21 -
BMP 6.J – Contractor Oversight Procedures.....	21 -
4. RESULTS OF INFORMATION COLLECTED AND ANALYZED	22 -
5. SUMMARY OF YEAR 3 PLANNED ACTIVITIES.....	22 -
6. CHANGES IN IDENTIFIED BMPS OR MEASURABLE GOALS	23 -
7. RELIANCE ON OTHER GOVERNMENT ENTITIES.....	23 -
8. APPROVAL STATUS OF QUALIFYING LOCAL PROGRAMS	23 -
9. SPECIAL CONDITIONS ASSOCIATED WITH APPROVED TMDLS.....	24 -
10. EVALUATION AND ASSESSMENT OF BMPS	24 -

APPENDICES -

Appendix A

Summary of School Curriculum

NVRC Clean Water Partners Reports

Appendix B

MS4 Webpage Screen Capture

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

Recycled Mascot Challenge Information

Appendix D

Stormwater Management Facilities Brought Online

Appendix E

Nutrient Management Plan Locations and Planning Status

Bus Driver Training Poster

Custodial "Notice" No Dumping Poster

Construction and Illicit Discharge Training Attendance Sheet

Herbicide/Pesticide Application Contract Language

Friend of the Field Agreement Information

Pollution Prevention Training Sign-in Sheets

Appendix F

Letter of Continued Support from Fairfax County

1. Introduction

This 2014-2015 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.

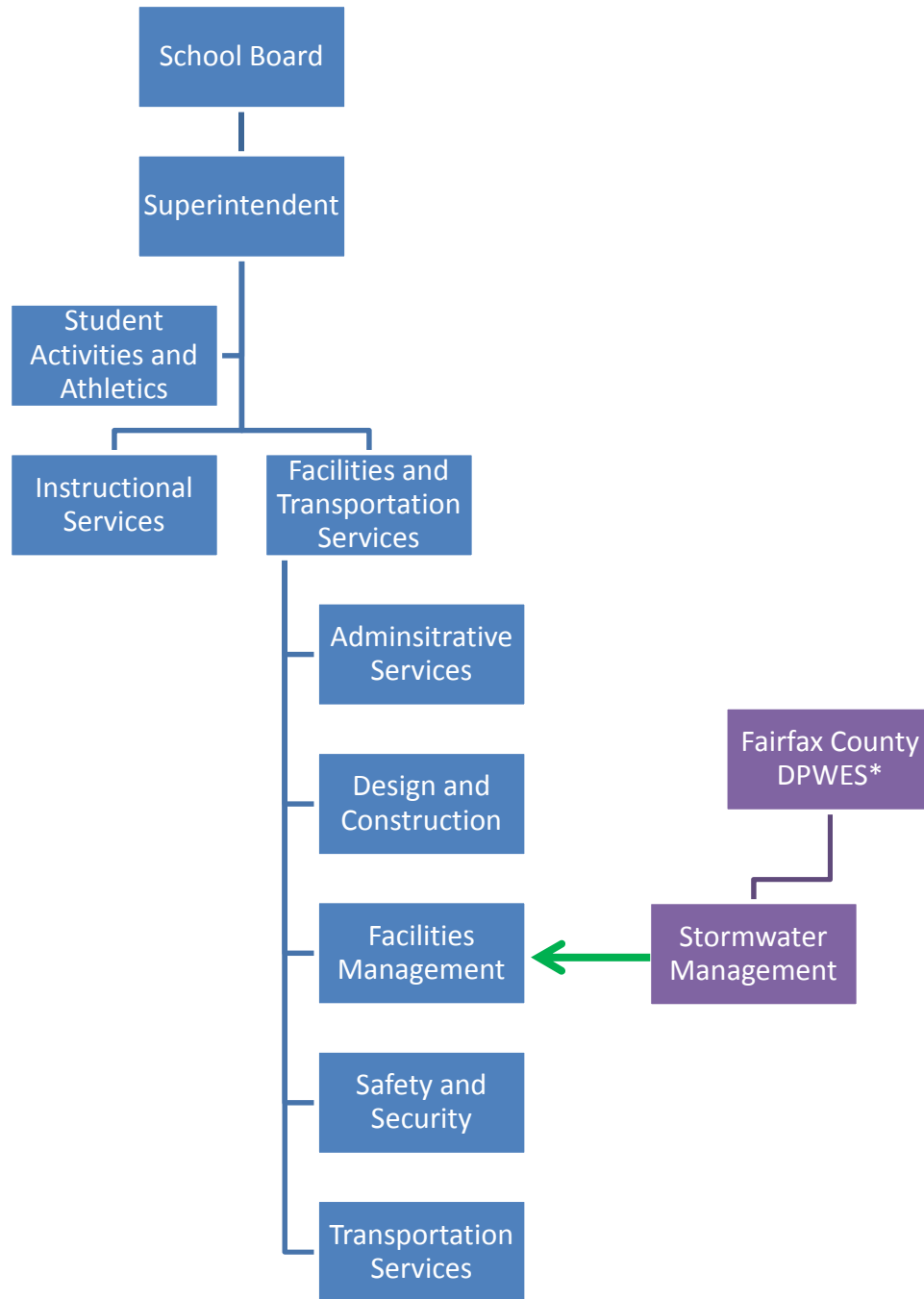
2. Background Information

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 2 (PY2) 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 PY3 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 2014 – 2015 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 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 28,000 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 14,000 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 27,000 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

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 27,000 (approximate total) 4th and 5th grade FCPS students (100%) participated in the Ecosystems and Fields of Science units during the 2014-2015 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 13,250 (approximate total) 7th grade FCPS students (100%) participated in the Investigations in Environmental Science unit during the 2014-2015 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, Geosystems and/or Oceanography. 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 are approximately 27,000 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. Oceanography deals with geophysical and biological oceanography and covers such topics as the geology and geography of ocean basins, physical properties of sea water, marine chemistry, and

marine biology. Both include coursework related to the impact of polluted stormwater on water resources.

Measure of Effectiveness

There were 27,000 (approximate total) 11th and 12th grade FCPS students in 2014-2015. Students were registered in the following environmental course offerings:

- Approximately 5,000 in Geosystems
- Approximately 600 in Oceanography
- Approximately 1,800 in AP and IB Environmental Studies

An approximate total of 7,400, or 27 percent, of 11th and 12th grade students participated in the AP and IB Environmental studies, Geosystems and Oceanography units during the 2014-2015 school year. Appendix A provides a summary of the curriculum for these classes.

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 <http://www.fcps.edu/fts/facmanagement/ms4/>.

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 2014 – 2015 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 PY2 annual report will be posted on the MS4 Program webpage on the FCPS website within 30 days of submittal to DEQ at <http://www.fcps.edu/fts/facmanagement/ms4/>.

Measure of Effectiveness

The PY2 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://www.fcps.edu/is/science/get2green/>.

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, approximately 1,230 students and 350 adults participated in Get2Green activities, which included planting projects, water testing and learning activities. A spreadsheet summary of the activities is provided in Appendix B.

In FY2015, 27 schools were awarded SSMG funding to implement projects that include vegetable gardens, native plantings, interpretive signs, energy readings, wildlife habitats, rain barrels, and others. A summary of the projects and schools receiving awards is provided in Appendix B.

Over 500 students and 205 adults attended the SEAS event this year on April 9, 2015. 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 2014 – 2015 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://library.municode.com/HTML/10051/level3/THCOCOFVI1976_CH124STMAOR_ART9IL_DISTSESYSTWA.html. Town of Herndon code addressing illicit discharges can be found at <https://library.municode.com/index.aspx?clientId=10218> and Town of Vienna Code addressing illicit discharges can be found at <https://library.municode.com/index.aspx?clientId=14916>. The current FCPS Student Rights and Responsibilities, which can be used to enforce prohibitions on illicit discharges, can be found at <http://www.fcps.edu/dss/ips/ssaw/SRR/2015-16/SRR2015-16.pdf>.

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.
- Fairfax County DPWES assisted the Office of Facilities Management in the performance

of dry weather screening for 50 outfalls.

Measure of Effectiveness

Dry weather flow observed at one outfall required further track down to determine possible source. Follow up investigations determined that the source was groundwater seepage into the pipe and further investigation was not necessary. A summary of dry weather screening results is provided in Appendix C.

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, the following storm drain marking activities occurred: -

- Sandburg Middle School, 14 storm drains marked by 40 volunteers
- Belvedere Elementary School, 4 storm drains marked by 30 volunteers
- Lake Braddock High School, 10 storm drains marked by 10 volunteers

BMP 3.F – Promote Recycling to Reduce Trash -

FCPS continued to encourage recycling by students through the Get2Green program to reduce trash generation. In an effort to creatively increase the amount of recycling in schools, FCPS ran a business case competition with Ernst and Young for high school teams during this reporting period. The teams designed a marketing plan to increase recycling and waste reduction. As part of this effort, a set of signs designating what is recyclable and what is trash were developed and distributed to all schools. The high school students then created a contest for schools to build their mascots out of recyclable materials. The mascots were displayed and judged at the Nova Outside/GMU School Environmental Action Showcase on April 9, 2015 where 705 attendees could see the display. Robinson Secondary School took first place in the high school division of the Recyclable Mascot Competition. Rocky Run Middle School took first place in the middle school division and Providence Elementary School, Dranesville Elementary School, and Aldrin Elementary School took first, second, and third place, respectively, in the elementary school division.

Further efforts to increase recycling and waste reduction include a recently implemented program for composting by which students weigh their cafeteria trash before recycling as a means for creating enriched soils. In addition, increasing numbers of schools are reducing waste streams by donating unopened food to area food banks. One elementary school donated on average 900 pounds per month during the 2014-15 school year.

Measure of Effectiveness

Information on the Recycling Mascot Challenge is included in Appendix C. Detail on the School Environmental Action Showcase is provided in Appendix B.

3.4 Construction Site Stormwater Runoff Control (MCM #4)

The following table is a summary of ongoing activities and new activities performed during the 2014 – 2015 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, VESCP, 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. FCPS ensures all required tracking information is submitted with the project. They are not reported separately to avoid double-counting.

3.5 Post-Construction Stormwater Management (MCM #5)

The following table is a summary of ongoing activities and new activities performed during the 2014 – 2015 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 the number and type of enforcement actions taken, if applicable.

Number of facilities inspected.	204
Number and type of facilities maintained:	175

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.

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 2014 – 2015 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 PY2 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.	Pending
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 (PY2 program plan update), document revised contractual language.	Pending

BMP 6.A – Sweeping Projects -

Fairfax County DPWES continued to implement sweeping 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 PY2, approximately 743 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 743 cubic yards is approximately equivalent to 253 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 PY2 program plan update submitted under separate cover.

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

FCPS will develop and implement the SWPPP in accordance with the schedule provide in the program plan. A SWPPP was developed for Woodson Complex and training 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 for which nutrient management plans (NMPs) will be developed. This list is provided in the PY2 update to the program plan. The PY1 list was a comprehensive list of all schools with field areas greater than one acre, since the nutrient application status was unknown at that time. The updated PY2 NMP list was revised from the PY1 list to remove fields where nutrients are not applied, including synthetic turf fields. During PY2, the list was reviewed by parties involved in nutrient application on FCPS property to verify the nutrient application status for individual fields. Many FCPS fields are maintained through the Fairfax County Park Authority’s Elementary, Middle, and Center (EMC) field program that involves no nutrient application.

FCPS will continue 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 will also be refined to remove areas where new synthetic fields are constructed.

Measure of Effectiveness

FCPS is developing and implementing NMPs in accordance with the schedule provided in the program plan. In PY2, NMPs must be developed for no less than 15% 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	70.84	37.91	54%
Middle	36.14	21.32	59%
High/Secondary	143.86	5.58	4%
Other	4.76	4.76	100%
Total	255.6	69.57	27%

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 was also conducted in PY2.

Measure of Effectiveness

Copies of the bus driver training poster and the Custodial “Notice” poster are provided in Appendix E.

Forty staff from the Office of Design and Construction were trained on MS4 Education for Construction Sites and Spill Recognition and Reporting. The training included an introduction and overview of the MS4, erosion and sediment control on construction sites and recognizing and reporting spills and illicit discharges. The attendance sheet for this training is included in Appendix E.

General Awareness Stormwater Pollution Prevention training that covered recognition and reporting of illicit discharges was also held on April 15, 2015. Two sessions were held: the first session was for field staff and was attended by 42 staff and the second was for supervisory staff and was attended by 14 staff. The sign-in sheets for this training are included in Appendix E.

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

FCPS will provide this training starting in PY3. -

Measure of Effectiveness -

Documentation of this training will be provided in the PY3 annual report. -

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. Contract language for contractors used by the Office of Facilities Management and the Friend of the Field Maintenance Plan are provided in Appendix E.

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

FCPS will ensure that applicable staff and site contractors receive the proper erosion and sediment control training and certifications as the state rolls out the new certification programs. 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

Certification for FCPS staff is maintained on file and is available to DEQ for inspection.

BMP 6.I – Spill Response Training for Emergency Personnel -

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

Measure of Effectiveness

Training was conducted on May 1, 2015 for two staff. This training was conducted as part of the illicit discharge training.

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 SOPs in PY2. Revised contract language requiring contractors to abide by the SOPs will be developed in PY3.

4. Results of Information Collected and Analyzed

No information, including monitoring data, was required to be collected or analyzed under the FCPS PY2 requirements.

5. Summary of Year 3 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 PY3 measureable goals. The following table summarizes by MCM the new planned activities to meet PY3 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.	3	<ul style="list-style-type: none"> Continue to implement ongoing activities.
Minimum Control Measure #2 – Public Involvement / Participation		
Permit Section II B.2.	3	<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.	3	<ul style="list-style-type: none"> Continue to implement ongoing activities.
Minimum Control Measure #4 – Construction Site Stormwater Runoff		
Permit Section II B.4.	3	<ul style="list-style-type: none"> Continue to implement ongoing activities.
Minimum Control Measure #5 – Post Construction Stormwater Management		
Permit Section II B 5	3	<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.	3	<ul style="list-style-type: none"> Continue to implement ongoing activities. Implement daily operations SOPs. Incorporate daily operations SOPs into biennial training. Conduct biennial training on good housekeeping and pollution prevention. Revise contractor language for SOPs.
Special Conditions – Chesapeake Bay TMDL and Other Approved TMDLs		
Permit Section I B.	3	Develop action plans for TMDLs approved between July 9, 2008 and June 30, 2013.

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 F, G, H	<ul style="list-style-type: none"> TMDL action plans were developed for the Chesapeake Bay TMDL and other TMDLs approved prior to July 9, 2008.
MCM #4 – Construction Site Runoff Control	
<i>Subsection</i>	<i>Update</i>
BMP 4.C	<ul style="list-style-type: none"> An update for stormwater management progressive enforcement is not applicable since FCPS does not administer a local program.
MCM #6 – Pollution Prevention / Good Housekeeping	
<i>Subsection</i>	<i>Update</i>
BMP 6.B	<ul style="list-style-type: none"> SOPs for daily operations.
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.
BMP 6.J	<ul style="list-style-type: none"> Modified to clarify that revised contract language will be prepared in PY3 after development of the SOPs in PY2.

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 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 MS4.

The Chesapeake Bay TMDL Action Plan is included in the updated program plan provided under separate cover. FCPS is also subject to four separate TMDL WLAs for sediment in two segments of Bull 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 must develop action plans for *E. coli* TMDL WLAs approved for segments of Difficult Run, Lower Accotink Creek, Hunting Creek, Cameron Run, and Hunting Creek, as well as for the sediment TMDL on a segment of Difficult Run. FCPS will develop one action plan for the bacteria TMDLs and update the PY2 sediment TMDL action plan during the PY3 program plan update to include Difficult Run. The action plans identify 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 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

4th Grade Curriculum

Make observations of a plot in schoolyard, model a watershed and investigate “we all live downstream,” examine human impact on environment by examining school yard, and make decisions about personal actions;

5th Grade Curriculum

Focus is on plant and animal traits; Career exploration including: ecologist, naturalist, horticulturist; Complete Ecological Survey and create a schoolyard field guide

Investigations in Environmental Science (7th Grade)

Summary of Curriculum

Students investigate and understand the unique properties and characteristics of water and its roles in natural and human made environments. They also investigate and understand the natural processes that affect watershed systems. Key concepts include:

The importance of protecting and maintaining water resource

Describing the importance of careful management of water resources

The health of ecosystems and the abiotic factors of a watershed;

Comprehending and applying basic terminology related to watershed

The location and structure of Virginia's regional watershed systems;

Using topographic maps to determine the location and size of Virginia's regional watershed systems.

Locating their own local watershed and the rivers and streams associated with it.

Major conservation, health, and safety issues associated with watersheds:

Analyzing and explaining the function of wetlands and appraising the value of wetlands to humans.

Explaining the factors that affect water quality in a watershed and how those factors can affect an ecosystem.

Forecasting potential water-related issues that may become important in the future.

Locating and critiquing a media article or editorial (print or electronic) concerning water use or water quality.

Analyzing and evaluating the science concepts involved.

Arguing for and against commercially developing a parcel of land containing a large wetland area.

Proposing ways to maintain water quality within a watershed.

Designing and defending a land-use model that minimizes negative impact.

Water monitoring and analysis using field equipment including hand-held technology

Designing an investigation to model the effects of stream flow on various slopes.

Measuring, recording, and analyzing a variety of water quality indicators and describe what they mean to the health of an ecosystem.

Geosystems (11th and 12th Grades)

Summary of Curriculum

Students investigate and understand the differences between renewable and nonrenewable resources. Students will understand how freshwater resources are influenced by geologic processes and activities of humans. Students will investigate and understand that oceans are complex, interactive physical, chemical and biological systems and are subject to long and short term variations.

Essential understandings:

Clean water resources, while renewable, are directly impacted by human activity through extraction and pollution

Earth's fresh water supply is finite. Geological processes, such as erosion, and human activities, such as waste disposal, can pollute water supplies.

The oceans are environmentally and economically important. Human activities and public policy have important consequences for the oceans. The impact of human activities, such as waste disposal, construction, and agriculture, affect the water quality within watershed systems and ultimately the ocean. Pollution and overfishing can harm or deplete valuable resources.

Estuaries, like the Chesapeake Bay, are areas where fresh and salt water mix, producing variations in salinity and high biological activity. Chemical pollution and sedimentation are great threats to the well-being of estuaries and oceans.

Essential knowledge and skills:

- Determine the sources of clean water in their community and analyze consumption and supply data.
- Identify sources of fresh water including rivers, springs, and aquifers, with reference to the hydrologic cycle
- Recognize the dependence on freshwater resources and the effects of human usage on water quality.
- Identify and locate major watershed systems in Virginia, including the Chesapeake Bay and its tributaries.
- Analyze the relationship between salt-water intrusion in the ground water in certain areas of eastern Virginia and buried crater structures.
- Describe how different types of pollution can pollute the Chesapeake Bay even though the pollutant source may be hundreds of miles from the Bay.
- Identify the effects of human activities on the oceans.

Northern Virginia Regional Commission

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

Advertising during period of July 1, 2014 through June 30, 2015

August 3, 2015



Prepared by Raj Bhansali
Director of Research, 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 second 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 Zone trade zone and Fairfax County trade zone 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” and “CSV+” were used to further reach customers within these segments across each locality. However, due to limitations of data, only the English Language Networks and Xfinity.com are included for 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 2014 analysis provided to the Northern Virginia Regional Commission as “the 2014 study.” Additionally, the 2014 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 additionally represents Comcast households in the city of Reston. In 2014, this only served the Cox households in this territory.

The Fairfax Zone trade zone represents Verizon FiOS households in the county of Fairfax and independent cities of Fairfax City and Falls Church

The Potomac super zone represents all Verizon FiOS households across the Greater Washington DC Region. This differs from the Fairfax trade zone in that the networks covered are different. 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 group
5. Summary

Northern Virginia Regional Commission

Advertising Response for Target Groups

Similar to the analysis provided in September 2014, an evaluation 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 2014, Ad-ology’s question requested response in the “past 30 days.” For the 2015 study, the question is “past year 12 months.”

“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 similar attribute was 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

Media	<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

Northern Virginia Regional Commission

In 2015, television advertising ranked either #1 or #2 and internet banner advertising #9 or #10 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 on how the question is asked.

Selection of advertising properties (networks/platforms)

With television media and internet display 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 2014-February 2015 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
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

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

	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

Northern Virginia Regional Commission

	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
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

These 19 networks and 2 digital properties were used to reach the targeted groups. It is important while 19 English language networks were utilized since July 1, 2014; only 9 were utilized in at the time of the 2014 study. These commercials did not air on 19 networks simultaneously, and differed by trade zone and by month.

The Spanish language networks of Galavision, CNN en Español, and ESPN Deportes were utilized to target the Hispanic audiences in the target localities.

Additionally, CSV+ was utilized in conjunction with Xfinity.com and Cox.com 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 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 goal the 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 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, 2014 to June 30, 2015.

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 to provide audience estimates from. Therefore this analysis is limited to the English language networks for each zone as well as for internet banner advertisements.

Delivered Impressions
30 second units 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
HGTV	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

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, 5,134 “:30” second commercials (or combined “:15” second commercials) aired. That resulted in over 4.8 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, 2014 through June 30, 2015. Additionally, 1,684 “:30” second commercials on Spanish language networks for a total of 6,818 commercial units.

Please note that the 3.8 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 2015, the digital products of Cox.com and CSV+ were added to Xfinity.com. Conversely, the 160x 600 Banner that part of the 2014 campaign was not included in 2015. Unlike television, digital impressions have return path data and therefore we can guarantee those impressions during the month.

2014	Xfinity.com			
	300 x 250 In-Banner Video		160 x 600 In-Banner Video	
	(50,000 Impressions/Month)	+/-	(30,000 Impressions/Month)	+/-
July	55,179	5,179	33,082	3,082
August	54,567	4,567	31,974	1,974
September	54,252	4,252	31,161	1,161
October	52,662	2,662	31,699	1,699
November	52,188	2,188	31,523	1,523
December	52,298	2,298	31,893	1,893
	321,146	21,146	191,332	11,332

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

For each product and banner type, the digital platforms outperformed what was the guaranteed number of impressions by month. Overall, 840,000 impressions were expected to be delivered. The campaign exceeded what was forecasted by 55,897 impressions, or roughly 6.7%.

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.

Alexandria (Comcast)	Fairfax County (Cox & Comcast Cable)	Fairfax Zone (Verizon FiOS)	Potomac Superzone (Verizon FiOS)
A&E	ANIMAL PLANET	A&E	AMC
AMC	A&E	ESPN	ANIMAL PLANET
ANIMAL PLANET	AMC	ABC FAMILY	COMCAST SPORTSNET
E!	CNN	FX	CARTOON NETWORK
ESPN	E!	USA	E!
FX	ESPN		HEADLINE NEWS
HGT V	ABC FAMILY		OXYGEN
OWN	FX		OWN
SPIKE	HISTORY		SPIKE
USA	NATIONAL GEOGRAPHIC		MASN
	OWN		
	SPIKE		
	USA		

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 40% 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>	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

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. The reach increases over 40% when Xfinity.com and Cox.com are included for each attribute. This period evaluation greatly surpassed that of the 2014 study.

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

Much of this growth is due to the overall number of networks used during the July 1, 2014 through June 30, 2015 period. However the amount of numbers being used at any given time was roughly the same. When the Spanish language networks and CSV+ Video Ad network are added, this will further grow. However, that impact cannot be quantified.

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

Northern Virginia Regional Commission

Appendix

1. 2014 Advertising Response

Media	<u>Dog Owners</u>		<u>Personal Yard Care/ Landscaping Enthusiasts</u>		<u>Personal Car Maintenance/ Restoration</u>	
	Responded Last		Responded Last		Responded Last	
	30 Days	Rank	30 Days	Rank	30 Days	Rank
Television	47.9%	1	43.9%	1	50.7%	1
Sponsored search result (like on Google, Yahoo or Bing)	39.1%	2	36.3%	2	42.8%	2
Radio	26.8%	9	23.8%	8	31.5%	6
Newspaper (print, online, mobile or tablet)	34.4%	3	34.0%	3	37.6%	3
Mobile smartphone app or text message	23.9%	10	18.5%	10	30.1%	9
Magazine (print, online, mobile or on tablet)	29.2%	5	25.9%	7	31.2%	7
Internet banner ad	34.1%	4	27.7%	4	36.7%	4
Ads mailed to you	27.7%	7	26.8%	5	31.5%	5
Ad or newsletter emailed to you	27.5%	8	26.5%	6	30.4%	8
Ad on a social network	28.0%	6	20.5%	9	29.4%	10

[Source: 2014 Ad-ology® AudienceSCAN study. Methodology]

Northern Virginia Regional Commission

2. Selection of Advertising Properties

TARGET	A18+ Intab
Lifestyle Characteristics: Own a Dog	486
Household Activities: Lawn Care	928
Unpaid/ Personal Labor: Anti-Freeze/Coolant OR Oil Filter/Oil Change-	210

	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
APL -TV	76,018	18.8%	131	92,040	12.9%	90	31,386	16.6%	115
CNN -TV	116,459	28.7%	95	234,296	32.8%	109	61,549	32.5%	108
ENT -TV	42,130	10.4%	128	53,483	7.5%	93	13,530	7.1%	88
ESPN-TV	118,414	29.2%	91	256,549	35.9%	112	48,350	25.6%	80
HGTV-TV	104,778	25.8%	124	175,105	24.5%	118	39,541	20.9%	100
HIST-TV	125,117	30.9%	118	218,108	30.5%	117	51,017	27.0%	103
HLN -TV	18,415	4.5%	141	32,211	4.5%	140	5,876	3.1%	96
NGC -TV	51,036	12.6%	82	124,630	17.5%	114	40,636	21.5%	140
TOON-TV	27,907	6.9%	154	24,775	3.5%	78	3,413	1.8%	40
XFINITY.COM	33,782	8.3%	90	64,402	9.0%	98	26,179	13.8%	150

Scarborough Research- Washington DC DMA (Base adults 18+), March 2013-February 2014 survey period

Northern Virginia Regional Commission

3. Overall Advertising Delivery

Television

		Results Flight to date 2/24/14- 8/17/14
Total Household Impressions		3,193,924
9555, POTOMAC		2,871,055
	HLN -TV	173,544
	OXYG-TV	310,261
	TOON-TV	1,061,087
	ENT -TV	479,889
	APL -TV	340,469
	Rotational spots (5 Nets)	505,805
0356, Fairfax County		292,881
	APL -TV	47,143
	ESPN-TV	56,371
	CNN -TV	77,371
	HIST-TV	64,132
	NGC -TV	31,764
	Rotational spots (5 Nets)	16,100
0340, Alexandria, VA		29,988
	APL -TV	10,786
	ESPN-TV	6,705
	HGTV-TV	12,497

Digital

Month 2014	Xfinity.com	
	300 x250 ad size (50,000 impressions/ month)	160x 600 ad size (30,000 impressions/month)
February	56,111	31,754
March	55,975	31,600
April	55,137	33,089
May	55,799	31,854
June	55,573	32,710
July	55,179	33,082

Northern Virginia Regional Commission

4. 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>	405,333	100.0%	714,109	100.0%	189,232	100.0%
NVRC Campaign (Television only)	102,673	25.3%	168,084	23.5%	46,679	24.7%
NVRC Campaign (TV and Xfinity.com)	132,924	32.8%	228,091	31.9%	67,938	35.9%

Scarborough Research- Washington DC DMA (Base adults 18+), March 2013-February 2014 survey period

Northern Virginia Regional Commission 2015 Only Rain NVRC Survey

Summary Report of Findings

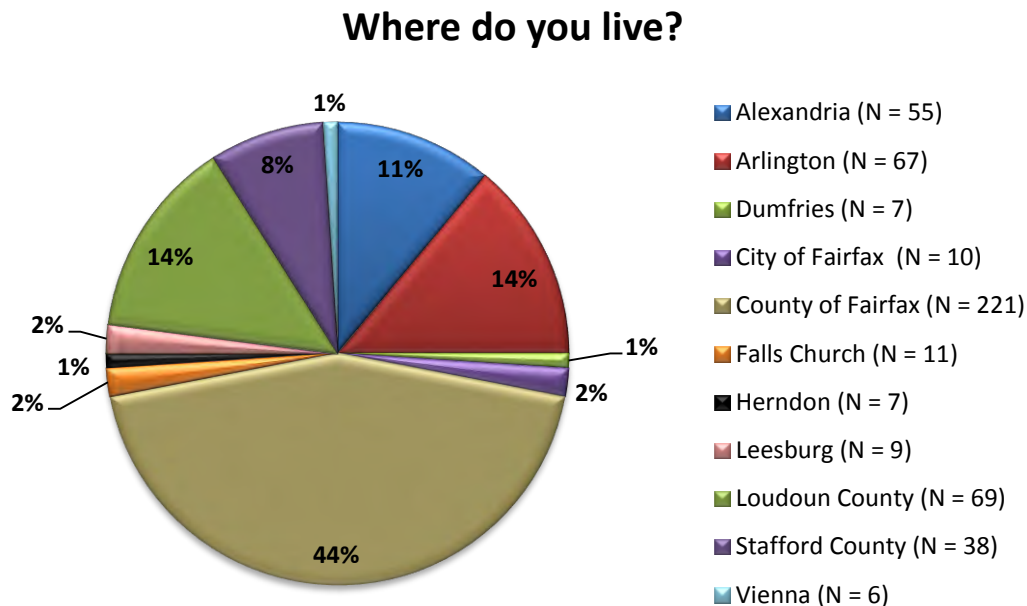
7/28/2015

Amplitude Research, Inc.

Study Methodology & Respondent Characteristics

The Northern Virginia Regional Commission (NVRC) hired Amplitude Research, Inc. to conduct a survey of residents of northern Virginia to measure beliefs and attitudes related to pollution of the Potomac River and Chesapeake Bay.

Amplitude Research administered the study online between July 8 and 17, 2015. In the end, 500 surveys were completed by web panelists who live in one of the areas of Virginia shown in the chart below. (In the legend, “N =” indicates the number of respondents in each city, county, or town.)



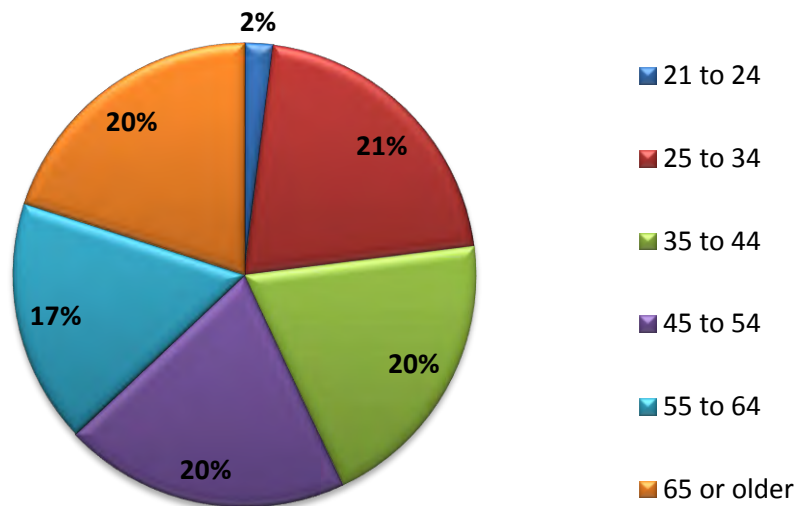
Later in this report, the results for some of the questions are “broken out” by area, in addition to presenting the results for the total sample. However, the specific areas listed above were grouped together into larger areas so that each larger area used for analysis had a reasonable number of respondents.

Residents from Leesburg and Loudoun County were combined into a single category labeled “**Leesburg / Loudoun**,” since the town of Leesburg lies within Loudoun County. Another category used for analysis was “**Dumfries / Stafford**,” since Dumfries lies just north of Stafford County. Although Dumfries is not located within Stafford County, it is closer to Stafford than to the other counties covered in the survey. (There were too few survey respondents living in Dumfries to examine the results for Dumfries separately.) The City of Fairfax, Falls Church, Herndon, and Vienna were combined with Fairfax County to create the category “**Fairfax Inclusive**,” since these cities and towns lie within the Fairfax County area. Although the City of Fairfax and City of Falls Church are distinct areas, their location falls within the larger area circumscribed by Fairfax County.

Alexandria and Arlington each had more than 50 respondents and therefore each of these areas can be examined separately.

The minimum age to participate in the survey was 21. As shown in the chart below, each age group was well represented in the survey. Although a small proportion were age 21 to 24, this category has fewer years than the other categories shown. For analysis purposes later in this report, the categories “21 to 24” and “25 to 34” were combined into the broader category of “21 to 34.”

Which category includes your age?



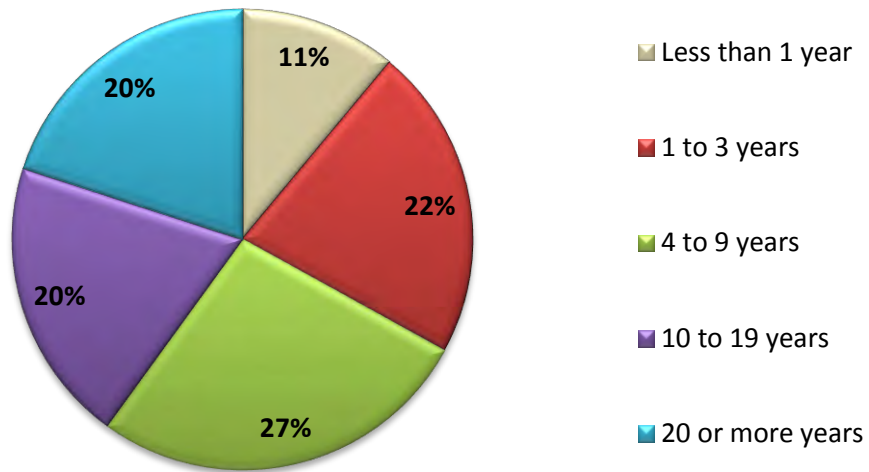
The survey respondents were split between males (48%) and females (52%), while approximately three-fourths (76%) indicated that they own their residence, and 24% reported renting.

The chart on the next page shows how long respondents have lived in their current residence. Some had been living in their current homes for a fairly short period of time (e.g., less than one year – 11%, one to three years – 22%).

A survey was conducted in 2014, 2013, 2012, and 2011 that included many of the same questions, targeted the same geographic area, and had a similar demographic mix as in this 2015 study. Later in this report, comparisons between years are shown where appropriate. Initially, the title used for the study was “NVRC Resident Survey.” Starting in 2013, the study title was changed to “Only Rain NVRC Survey,” since a new question was added about awareness of the “Only Rain” logo.

In 2015, a minimum quota of 8% of the total sample was set for those who are of Hispanic heritage to ensure sufficient representation and to allow analysis of results specifically among Hispanic respondents.

For how many years have you lived in your current residence?



Sampling Variability

While examining the survey findings, it is helpful to keep in mind that the results are based on a sample and are therefore subject to sampling variability, often referred to as “sampling error.” The degree of uncertainty for an estimate (e.g., a particular percentage from the survey) arising from sampling variability is represented through the use of a margin of error. A sampling margin of error at the “95% confidence level” can be interpreted as providing a 95% probability that the interval created by the estimate plus and minus the margin of error contains the true value. (The “true” value would be known only if everyone in the target market was surveyed rather than just a sample.) In addition to sampling variability, results may be subject to various sources of non-sampling error (e.g., non-response bias, respondent misinterpretation of question wording, etc.). The degree of non-sampling error is not represented by the sampling margin of error and is usually unknown.

For a “sample size” of 500 survey respondents, the “maximum” margin of sampling error for percentages from the survey is +/- 4.4 percentage points at the 95% confidence level. Here, “maximum” refers to the margin of error being highest for proportions from the survey near 50%, while the margin of error declines as percentages get further from 50%. For example, given the same sample size of 500 respondents, a result from the survey near 10% or 90% would have a margin of sampling error of +/- 2.6 percentage points.

The margin of sampling error increases as the sample size decreases. Thus, when a question is asked of only a subset of the total sample, the associated margin of sampling error is larger than that quoted above. Also, even if a question is asked of all respondents, when examining results for a particular subgroup, the margin of sampling error depends on the number of respondents in that subgroup. For example, the “maximum” margin of sampling error would be +/- 9.8 percentage points at the “95% confidence level” when based on a subgroup of 100 survey respondents. In some parts of this report, results are shown for subgroups that include a fairly small number of respondents, and caution is recommended when thinking about these findings.

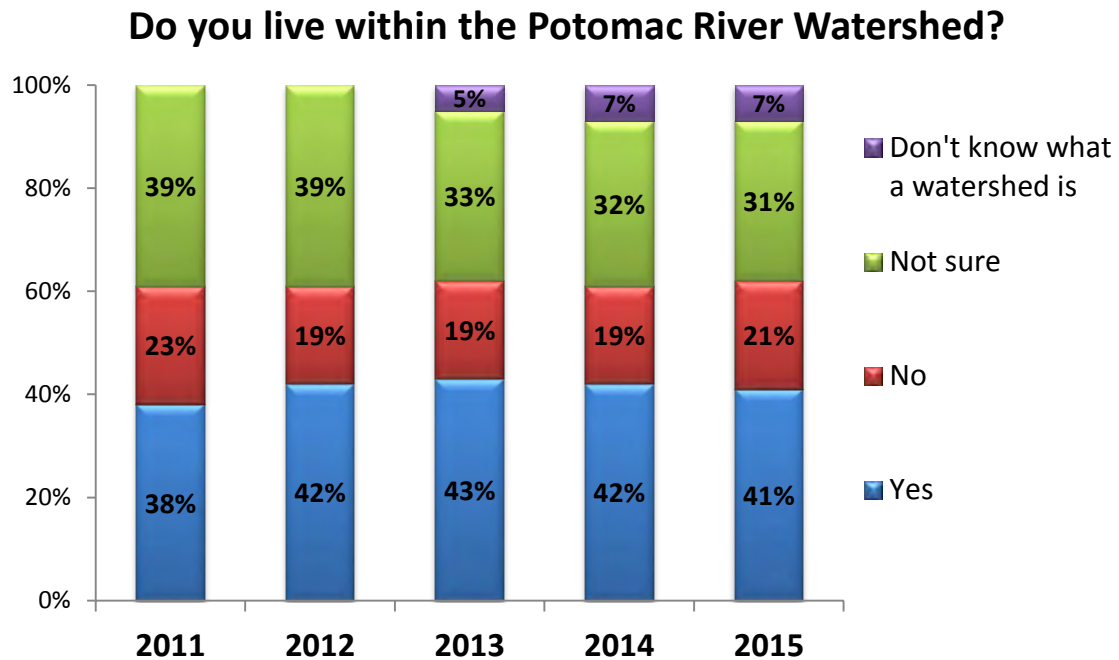
This suggests that results for different subgroups can be considered “similar” when the differences are small (i.e., small enough to be within the range of sampling error).

Results from different years can be considered similar when differences between the years are small. If the difference between two years is referred to as “statistically significant,” this essentially means that the difference in the survey results is large enough to be highly confident (i.e., at the “95% confidence level”) that there has been a real change. That is, a “statistically significant” difference in the survey results from one year to the next is larger than what would usually be expected from sampling error alone.

In this report, when a result from 2015 is described as “significantly” higher (or lower) than the result from a previous year, this means that the difference between these years is “statistically significant.” Also, when one subgroup is described as “more likely” (or “less likely”) than another subgroup to answer in a particular way, this is based on a statistically significant difference.

Potomac River Watershed

- Early in the survey, respondents were asked if they lived within the “Potomac River Watershed.” As shown in the chart below, slightly more than four-in-ten in 2015 (41%) believed that they did in fact live within the Potomac River Watershed. Similar proportions held this belief in previous years.



- Nearly four-in-ten each year were not sure if they lived within the Potomac River Watershed or did not know what a watershed is. (The response option “I do not know what a watershed is” was first added in the 2013 survey.)
- When breaking the results out by area, as shown in the table below, the proportion believing that they live in the Potomac River Watershed did not differ significantly by area.

Live Within Potomac River Watershed	Alexandria	Arlington	Fairfax Inclusive	Leesburg / Loudoun	Dumfries / Stafford
Yes	40%	48%	41%	41%	36%
No	11%	15%	22%	27%	29%
Not sure	35%	25%	34%	22%	31%
Don't know what a watershed is	14%	12%	3%	10%	4%
<i>N = number of respondents</i>	55	67	255	78	45

- As shown in the next table, those who have lived in their residence for 20 or more years were more likely than those in their residence less than 10 years to say they live within the Potomac River Watershed.

Live Within Potomac River Watershed	Have Lived in Current Residence < 1 Year	1 to 3 Years	4 to 9 Years	10 to 19 Years	20 or More Years
Yes	40%	33%	33%	46%	57%
No	23%	26%	22%	23%	12%
Not sure	28%	31%	38%	27%	26%
Don't know what a watershed is	9%	10%	7%	4%	5%
<i>N = number of respondents</i>	53	111	136	101	99

- Those age 65 or older were more likely than others to believe that they live in the Potomac River Watershed.

Live Within Potomac River Watershed	Age 21 to 34	35 to 44	45 to 54	55 to 64	65 +
Yes	33%	30%	39%	44%	61%
No	20%	31%	20%	22%	14%
Not sure	35%	30%	36%	29%	22%
Don't know what a watershed is	12%	9%	5%	5%	3%
<i>N = number of respondents</i>	114	100	101	83	102

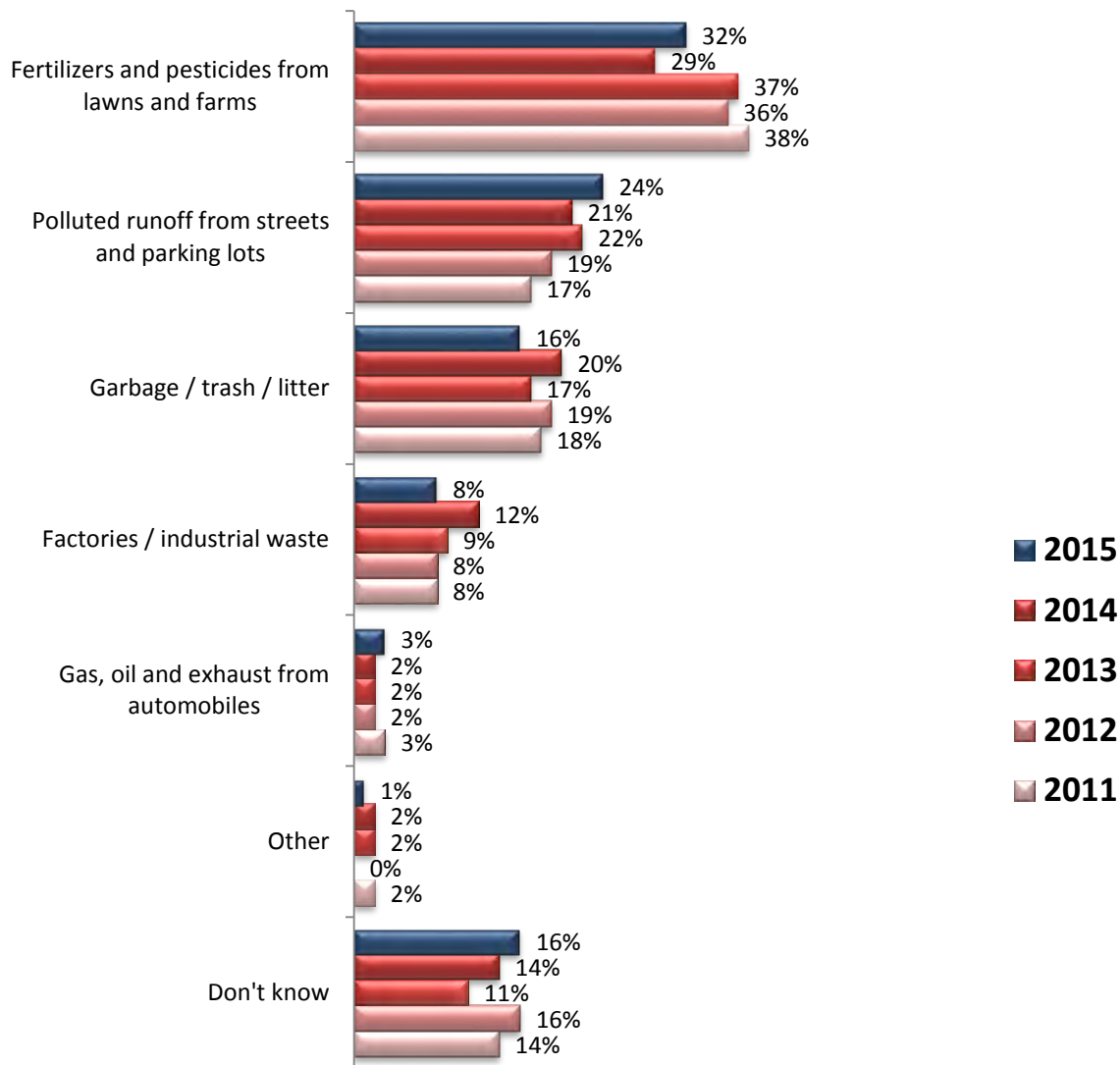
- When examining the results by other subgroups, males were more likely than females to believe that they live within the Potomac River Watershed. Slightly more than one-third (36%) of Hispanic respondents held this belief, but this was not significantly different from others.

Live Within Potomac River Watershed	Male	Female	Homeowners	Renters	Hispanic Respondents
Yes	54%	29%	42%	38%	36%
No	18%	24%	22%	18%	23%
Not sure	23%	38%	31%	31%	27%
Don't know what a watershed is	5%	9%	5%	13%	14%
<i>N = number of respondents</i>	240	260	380	120	44

Beliefs About Local Water Pollution

- When asked what they thought was the “Number one” cause of pollution in local streams, the Potomac River, and the Chesapeake Bay, the most frequently selected response option was “Fertilizers and pesticides from lawns and farms.” However, this result in 2015 (32%) was significantly lower than the result in 2011 (38%).

What do you think is the number one cause of pollution in local streams, the Potomac River, and the Chesapeake Bay?



- The second most often selected cause in 2015 was “Polluted runoff from streets and parking lots.” This result in 2015 (24%) was significantly higher than the result in 2011 (17%).

- Tables below show the 2015 results broken out by various subgroups of the total sample for the question covered on the previous page. For example, those who have lived in their homes for 10 or more years, those age 45 or older, and homeowners were more likely than others to select fertilizers and pesticides from lawns and farms.

Believed #1 Cause of Local Water Pollution	Alexandria	Arlington	Fairfax Inclusive	Leesburg / Loudoun	Dumfries / Stafford
Fertilizers and pesticides from lawns and farms	22%	43%	33%	34%	20%
Polluted runoff from streets and parking lots	29%	15%	26%	24%	20%
Garbage / trash / litter	14%	19%	15%	13%	22%
Factories / Industrial waste	11%	3%	7%	9%	16%
Gas, oil and exhaust from automobiles	2%	5%	2%	4%	4%
Other	0%	0%	2%	3%	2%
Don't know / not sure	22%	15%	15%	13%	16%
<i>N = number of respondents</i>	55	67	255	78	45

Believed #1 Cause of Local Water Pollution	Have Lived in Current Residence < 1 Year	1 to 3 Years	4 to 9 Years	10 to 19 Years	20 or More Years
Fertilizers and pesticides from lawns and farms	17%	26%	23%	44%	49%
Polluted runoff from streets and parking lots	30%	18%	31%	21%	22%
Garbage / trash / litter	19%	21%	14%	14%	11%
Factories / Industrial waste	13%	9%	8%	7%	4%
Gas, oil and exhaust from automobiles	10%	3%	4%	0%	1%
Other	0%	2%	2%	2%	0%
Don't know / not sure	11%	21%	18%	12%	13%
<i>N = number of respondents</i>	53	111	136	101	99

**Believed #1 Cause
of Local Water
Pollution**

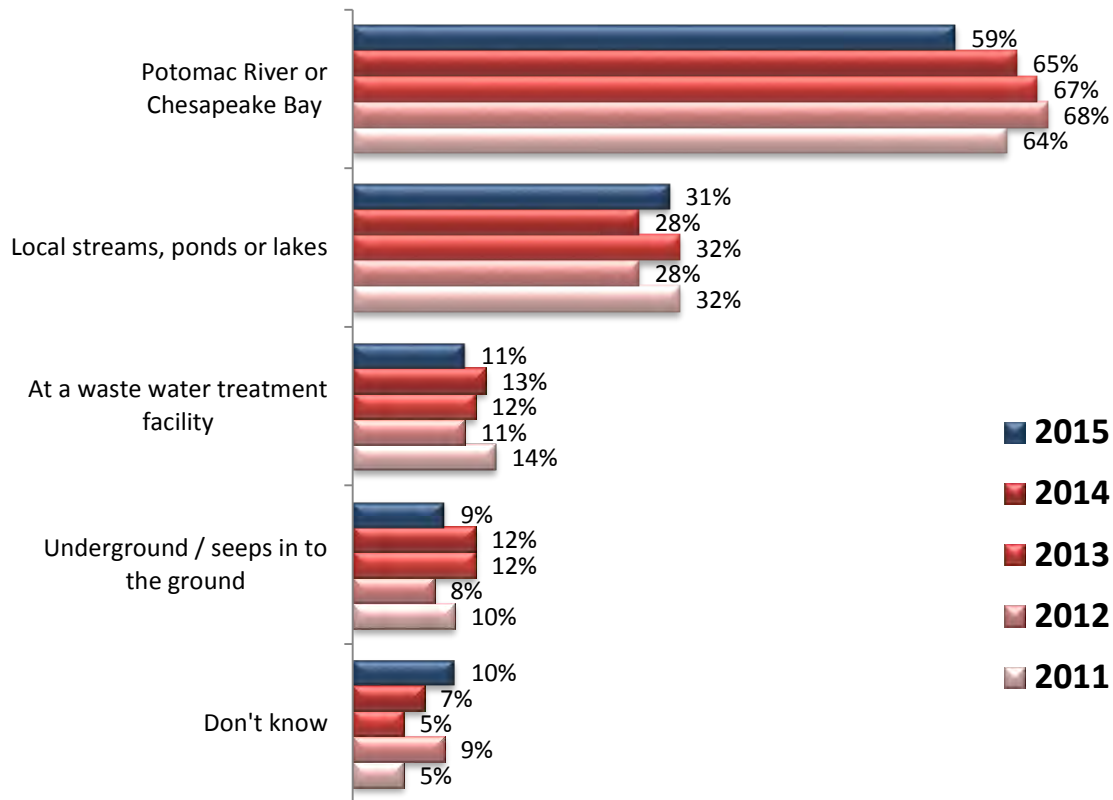
	Age 21 to 34	35 to 44	45 to 54	55 to 64	65 +
Fertilizers and pesticides from lawns and farms	20%	22%	36%	41%	45%
Polluted runoff from streets and parking lots	25%	28%	23%	17%	27%
Garbage / trash / litter	19%	16%	18%	16%	9%
Factories / Industrial waste	12%	11%	6%	7%	2%
Gas, oil and exhaust from automobiles	7%	4%	1%	1%	1%
Other	0%	2%	2%	1%	2%
Don't know / not sure	17%	17%	14%	17%	14%
<i>N = number of respondents</i>	114	100	101	83	102

**Believed #1 Cause
of Local Water
Pollution**

	Male	Female	Homeowners	Renters	Hispanic Respondents
Fertilizers and pesticides from lawns and farms	35%	30%	35%	25%	18%
Polluted runoff from streets and parking lots	28%	21%	25%	22%	32%
Garbage / trash / litter	12%	19%	15%	17%	11%
Factories / Industrial waste	8%	8%	8%	8%	14%
Gas, oil and exhaust from automobiles	3%	3%	2%	6%	2%
Other	2%	0%	1%	1%	5%
Don't know / not sure	12%	19%	14%	21%	18%
<i>N = number of respondents</i>	240	260	380	120	44

- Hispanic residents were less likely than others to select fertilizers and pesticides from lawns and farms.

To the best of your knowledge, where do you believe stormwater eventually ends up?



- The Potomac River or Chesapeake Bay was selected most often as where stormwater is believed to end up. The proportion selecting this response was highest in Leesburg / Loudoun. However, while the result for Leesburg / Loudoun (69%) was significantly higher than for Alexandria and Arlington, it was not significantly higher compared to other areas.

<i>Believed Destination of Stormwater</i>	Alexandria	Arlington	Fairfax Inclusive	Leesburg / Loudoun	Dumfries / Stafford
Potomac River or Chesapeake Bay	51%	52%	59%	69%	62%
Local streams, ponds or lakes	29%	36%	31%	29%	29%
At a waste water treatment facility	15%	12%	13%	6%	2%
Underground / seeps in to the ground	7%	13%	7%	5%	20%
Don't know	15%	10%	11%	6%	2%
<i>N = number of respondents</i>	55	67	255	78	45

Believed Destination of Stormwater	Have Lived in Current Residence < 1 Year	Have Lived in Current Residence			
		1 to 3 Years	4 to 9 Years	10 to 19 Years	20 or More Years
Potomac River or Chesapeake Bay	51%	53%	60%	62%	66%
Local streams, ponds or lakes	40%	40%	30%	29%	20%
At a waste water treatment facility	25%	19%	7%	8%	4%
Underground / seeps in to the ground	15%	15%	9%	4%	3%
Don't know	8%	9%	11%	8%	11%
<i>N = number of respondents</i>	53	111	136	101	99

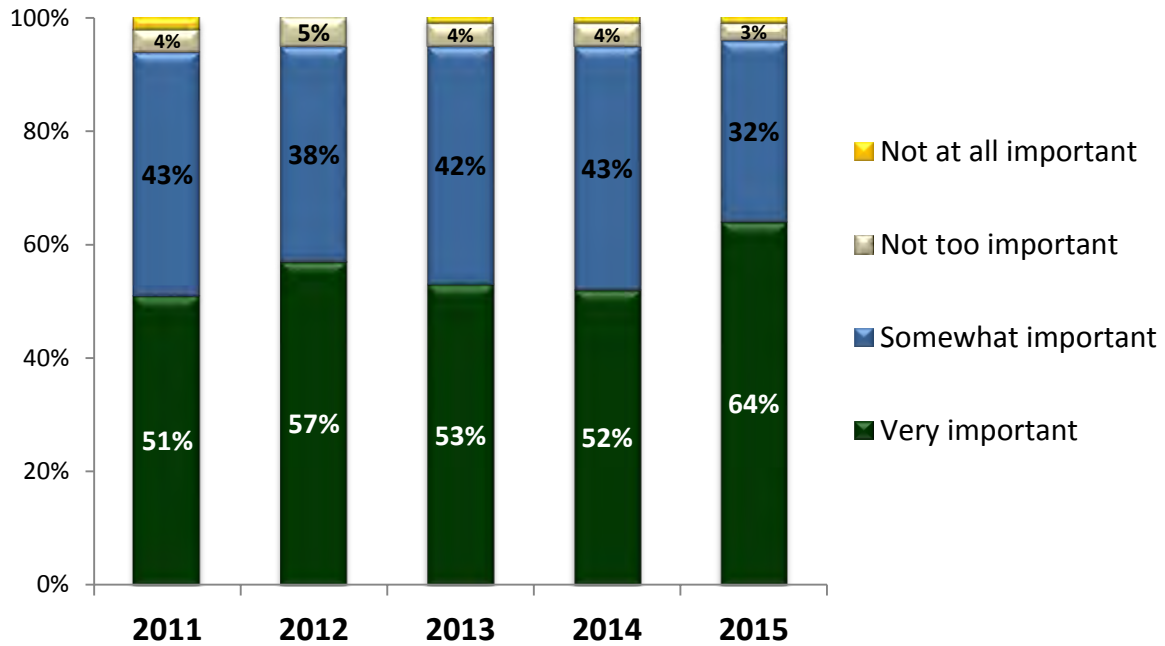
Believed Destination of Stormwater	Age				
	21 to 34	35 to 44	45 to 54	55 to 64	65 +
Potomac River or Chesapeake Bay	51%	50%	57%	73%	68%
Local streams, ponds or lakes	43%	33%	31%	25%	21%
At a waste water treatment facility	24%	10%	9%	6%	4%
Underground / seeps in to the ground	19%	10%	4%	6%	3%
Don't know	11%	14%	10%	4%	9%
<i>N = number of respondents</i>	114	100	101	83	102

- Those age 55 and older were more likely than those younger to believe that stormwater ends up in the Potomac River or Chesapeake Bay.
- As shown on the next page, females and renters were less likely than others to select “Potomac River or Chesapeake Bay.”

<i>Believed Destination of Stormwater</i>	Male	Female	Homeowners	Renters	Hispanic Respondents
Potomac River or Chesapeake Bay	70%	49%	62%	51%	50%
Local streams, ponds or lakes	28%	34%	29%	38%	41%
At a waste water treatment facility	10%	12%	8%	19%	20%
Underground / seeps in to the ground	6%	11%	7%	15%	11%
Don't know	5%	14%	9%	13%	11%
<i>N = number of respondents</i>	240	260	380	120	44

- When asked the question below, a significantly higher proportion in 2015, compared to each previous year, gave a rating of “Very important” for local governments to spend more money on protecting water quality.

How important do you think it is for local governments to spend more money on protecting water quality?



- The majority from each area felt it was “Very important” for local governments to spend more money on protecting water quality.

Importance of Local Water Quality Spending	Alexandria	Arlington	Fairfax Inclusive	Leesburg / Loudoun	Dumfries / Stafford
Not at all important	0%	0%	1%	2%	2%
Not too important	0%	6%	4%	3%	0%
Somewhat important	35%	18%	31%	40%	40%
Very important	65%	76%	64%	55%	58%
<i>N = number of respondents</i>	55	67	255	78	45

- In each of the subgroups covered in the tables below, a majority gave a rating of “Very important.”

Importance of Local Water Quality Spending	Have Lived in Current Residence < 1 Year	Have Lived in Current Residence			
		1 to 3 Years	4 to 9 Years	10 to 19 Years	20 or More Years
Not at all important	0%	1%	3%	0%	0%
Not too important	4%	4%	3%	2%	3%
Somewhat important	32%	29%	34%	34%	31%
Very important	64%	66%	60%	64%	66%
<i>N = number of respondents</i>	53	111	136	101	99

Importance of Local Water Quality Spending	Age				
	21 to 34	35 to 44	45 to 54	55 to 64	65 +
Not at all important	3%	0%	1%	1%	0%
Not too important	5%	3%	1%	0%	6%
Somewhat important	27%	40%	35%	28%	30%
Very important	65%	57%	63%	71%	64%
<i>N = number of respondents</i>	114	100	101	83	102

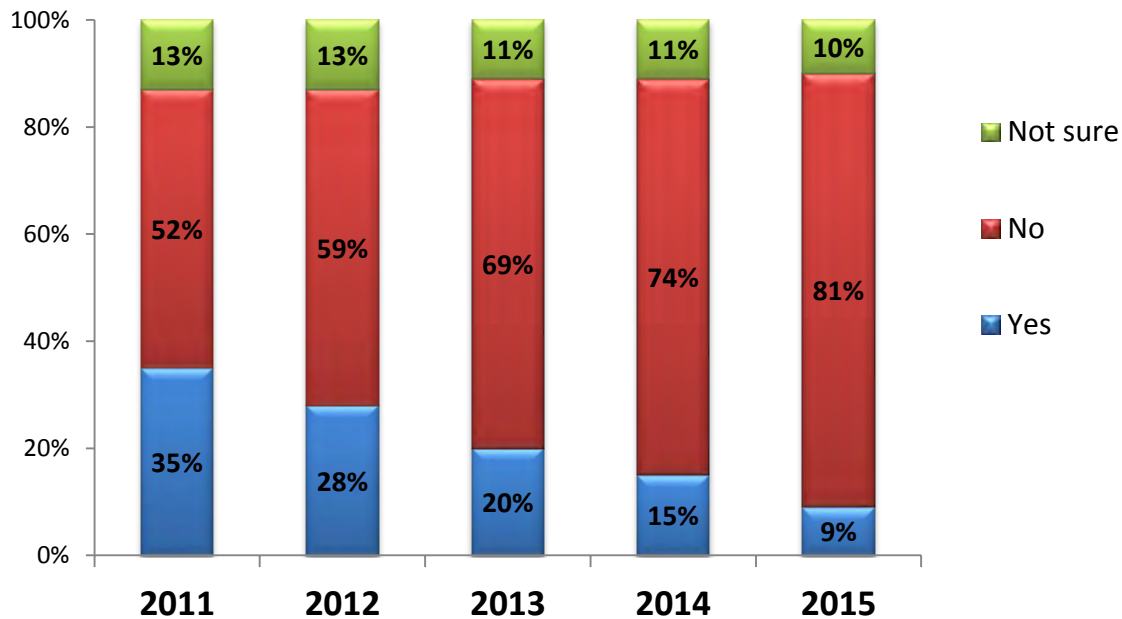
Importance of Local Water Quality Spending	Gender		Homeownership		Hispanic Respondents
	Male	Female	Homeowners	Renters	
Not at all important	0%	1%	1%	1%	5%
Not too important	4%	3%	3%	4%	0%
Somewhat important	35%	30%	34%	24%	27%
Very important	61%	66%	62%	71%	68%
<i>N = number of respondents</i>	240	260	380	120	44

Advertising

- In 2015, 9% indicated that they have seen ads on TV or the Internet about reducing water pollution and featuring “rubber duckies.” This was lower than in previous years, but the question wording has varied slightly from year to year. For example, the reference to “rubber duckies” was unique in 2015. This level of specificity in the 2015 wording might have reduced the proportion saying they recall the advertising.

ADVERTISING AWARENESS

(2015 Question Wording: **Have you seen any ads on TV or the Internet featuring rubber duckies that talk about reducing water pollution?**)



- Leesburg / Loudoun had the highest proportion aware (14%), while Arlington (4%) had the lowest proportion aware of the advertising. The difference between these two proportions was statistically significant, but the differences between other areas were not.

Saw TV / Internet Ads on Reducing Water Pollution	Alexandria					Arlington					Fairfax Inclusive					Leesburg / Loudoun					Dumfries / Stafford				
Yes	13%					4%					8%					14%					9%				
No	80%					84%					81%					78%					80%				
Not sure	7%					12%					11%					8%					11%				
<i>N = number of respondents</i>	55					67					255					78					45				

Saw TV / Internet Ads on Reducing Water Pollution	Have Lived in Current Residence < 1 Year				
		1 to 3 Years	4 to 9 Years	10 to 19 Years	20 or More Years
Yes	11%	12%	10%	7%	6%
No	83%	78%	83%	83%	78%
Not sure	6%	10%	7%	10%	16%
<i>N = number of respondents</i>	53	111	136	101	99

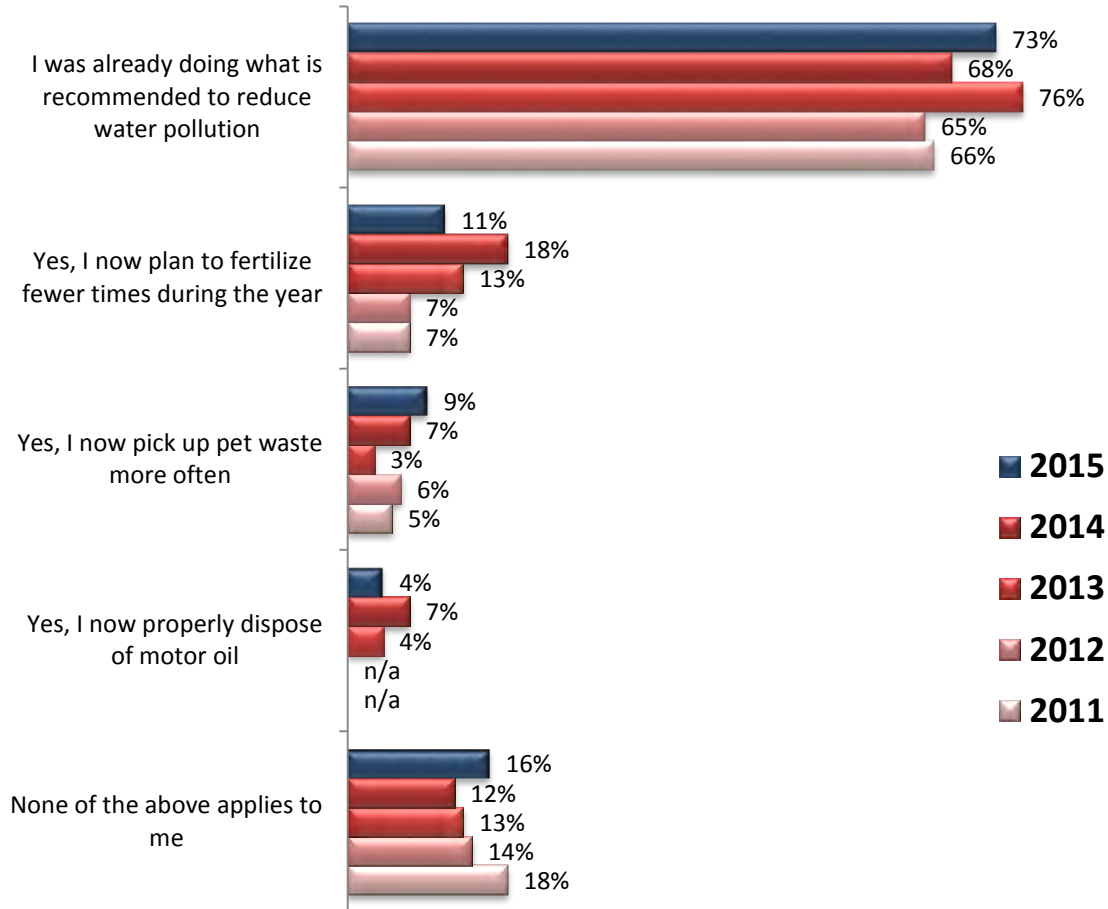
Saw TV / Internet Ads on Reducing Water Pollution	Age				
	21 to 34	35 to 44	45 to 54	55 to 64	65 +
Yes	11%	7%	10%	8%	8%
No	82%	85%	74%	83%	81%
Not sure	7%	8%	16%	9%	11%
<i>N = number of respondents</i>	114	100	101	83	102

- Men were more likely than women to report recalling the advertising. A relatively high proportion of Hispanic respondents reported awareness, but the difference between Hispanic respondents and others was not statistically significant.

Saw TV / Internet Ads on Reducing Water Pollution	Gender		Homeownership		Hispanic Respondents
	Male	Female	Homeowners	Renters	
Yes	14%	5%	9%	10%	16%
No	79%	83%	80%	82%	75%
Not sure	7%	12%	11%	8%	9%
<i>N = number of respondents</i>	240	260	380	120	44

- The question covered in the chart on the next page was asked only of those who reported awareness of the ads.

Did seeing those ads make you change any of your behaviors related to fertilizing less often and/or reducing water pollution?

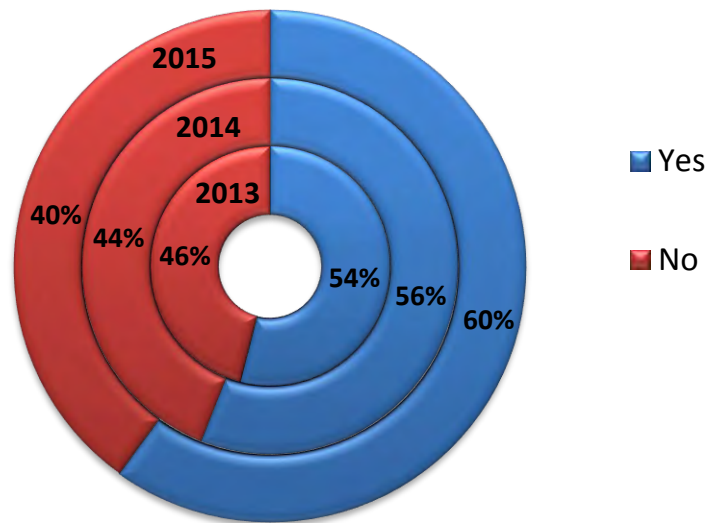


- Nearly three-fourths (73%) in 2015 felt that they were already doing what they were supposed to be doing, but some reported changing behavior, such as fertilizing less often, picking up pet waste more often, and/or properly disposing of motor oil.

- The logo below was shown to all respondents in 2013, 2014, and 2015, regardless of whether they had seen advertising or not, and more than half of the total sample recognized the logo. The difference between 60% in 2015 and 54% in 2013 was statistically significant, suggesting that awareness of the logo has increased over time.



Have you ever seen the logo above anywhere?



- Results for the question above in 2015 by subgroup are shown on the next page.

- Awareness of the logo was highest in Arlington and lowest in Dumfries / Stafford. The differences between Arlington and other areas, except Alexandria, were statistically significant. At the same time, the differences between Dumfries / Stafford and each other area were statistically significant.

Have Seen Logo	Alexandria	Arlington	Fairfax Inclusive	Leesburg / Loudoun	Dumfries / Stafford
Yes	67%	78%	59%	59%	38%
No	33%	22%	41%	41%	62%
<i>N = number of respondents</i>	55	67	255	78	45

Have Seen Logo	Have Lived in Current Residence < 1 Year	1 to 3 Years	4 to 9 Years	10 to 19 Years	20 or More Years
Yes	64%	59%	60%	56%	66%
No	36%	41%	40%	44%	34%
<i>N = number of respondents</i>	53	111	136	101	99

Have Seen Logo	Age 21 to 34	35 to 44	45 to 54	55 to 64	65 +
Yes	63%	60%	63%	55%	59%
No	37%	40%	37%	45%	41%
<i>N = number of respondents</i>	114	100	101	83	102

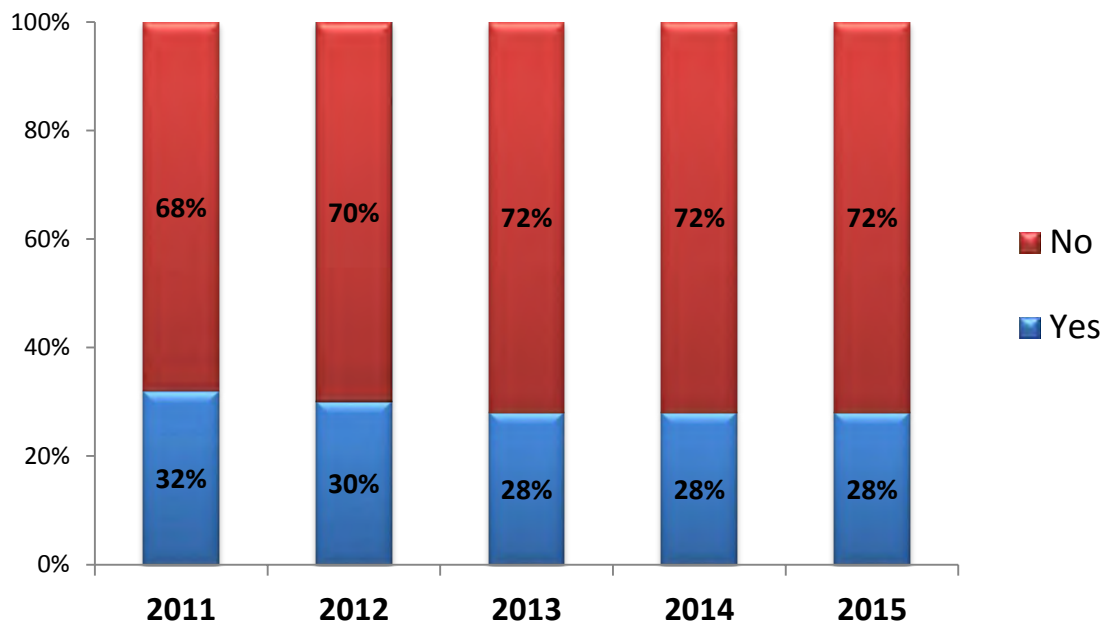
Have Seen Logo	Male	Female	Homeowners	Renters	Hispanic Respondents
Yes	65%	56%	61%	58%	55%
No	35%	44%	39%	42%	45%
<i>N = number of respondents</i>	240	260	380	120	44

- Males were more likely than females to report having seen the logo.

Behavior Among Dog Owners

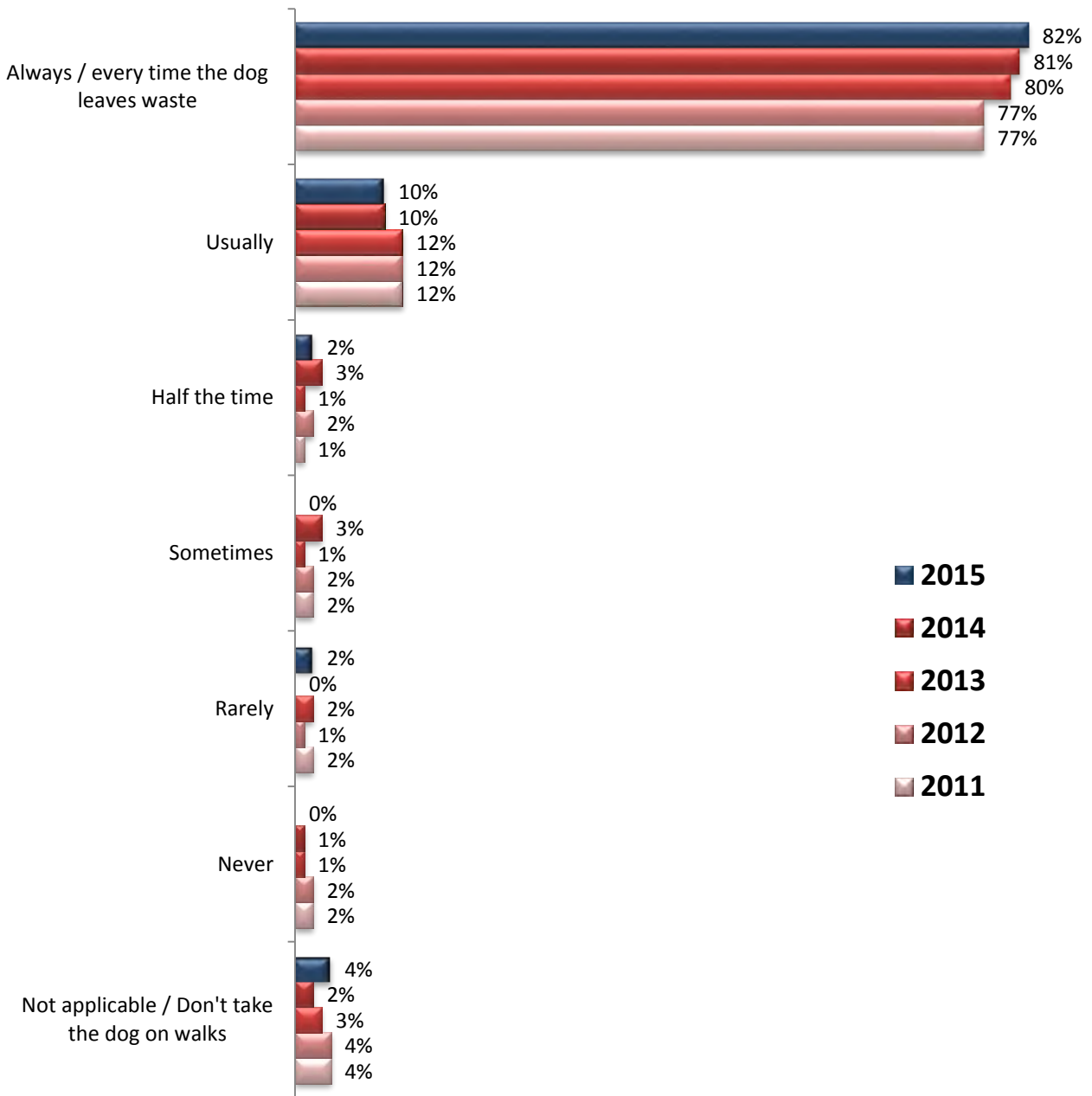
- More than one-fourth in each year indicated that they have a dog (or someone else in their household has a dog). Several questions were asked of these dog owners. (However, since a subset of the total sample reported having a dog, the results for the questions applicable only to dog owners are not broken out by area or demographic subgroups.)

Do you (or does another person in your household) have a dog?



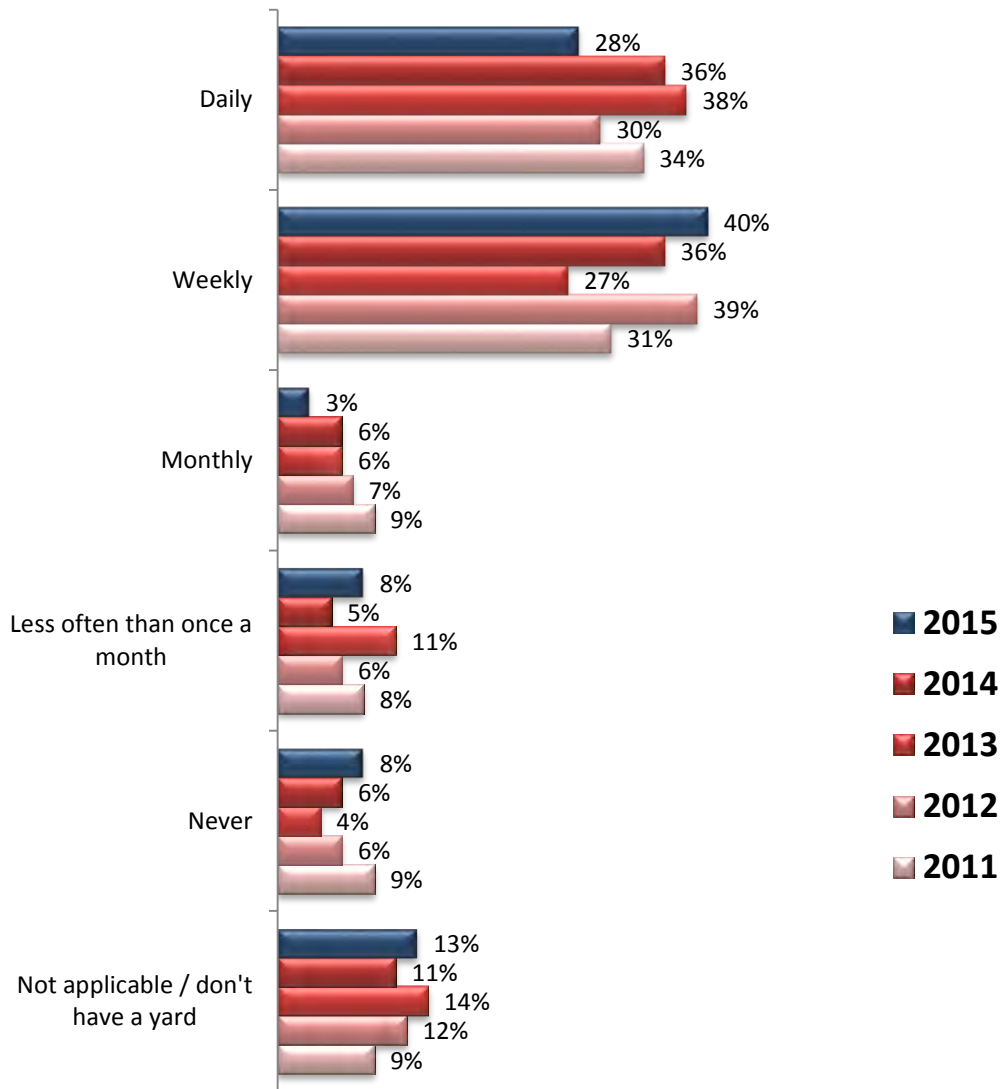
- On the following pages, results are shown for questions about how often dog owners pick up after their dogs and what motivates them to do so.

When taking your dog(s) for a walk, how often do you pick up after your dog(s)?



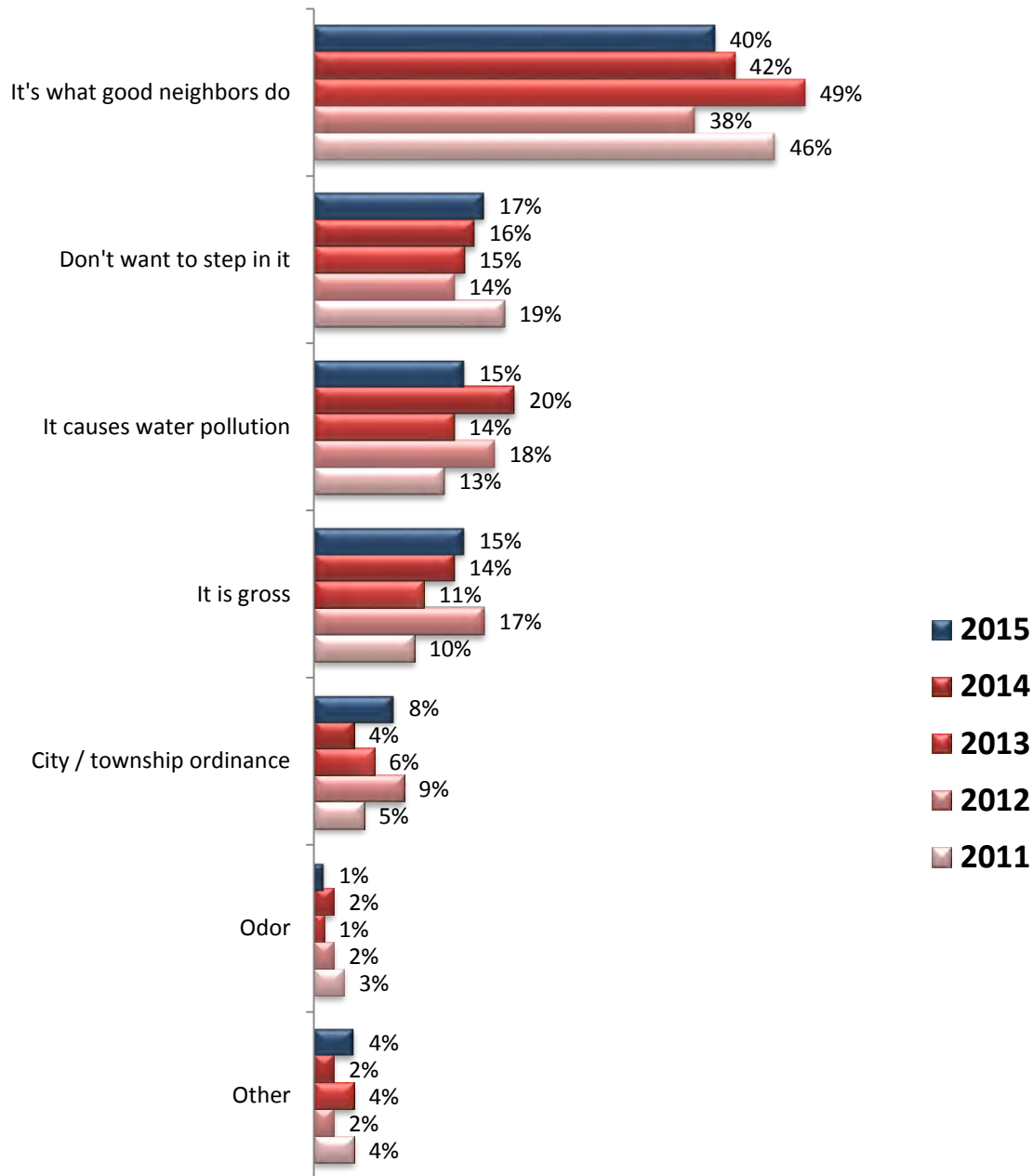
- More than eight-in-ten (82%) in 2015 indicated that they *always* pick up after their dog(s) when taking the dog(s) for a walk. This is up five percentage points from 2012, but the difference was not quite large enough to be statistically significant.

How often do you (or does someone else from your household) remove dog waste from your yard?



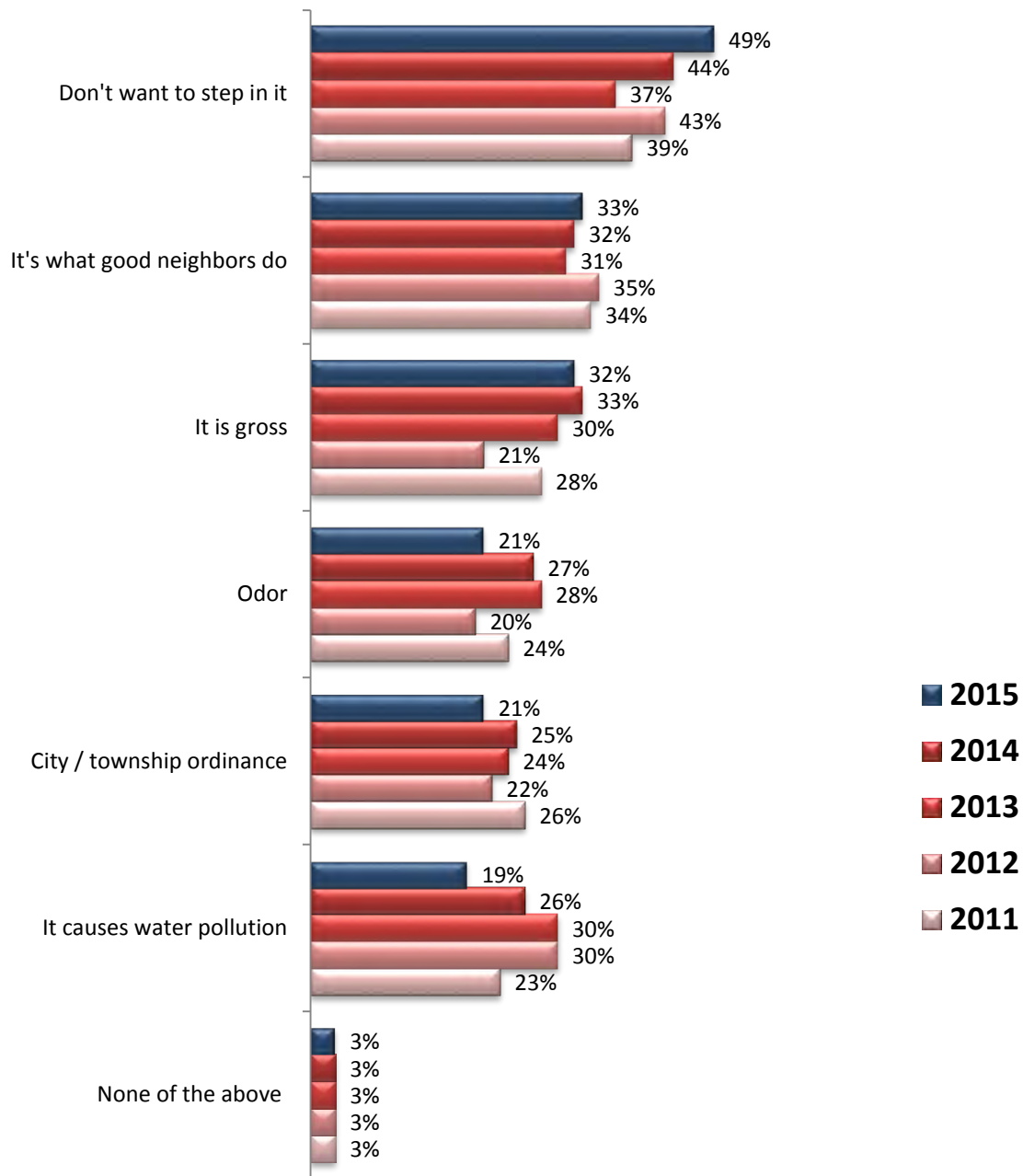
- In their own yard, respondents in 2015 were more likely to remove pet waste weekly than daily.
- There was some fluctuation from year to year in the proportions reporting daily and weekly removal of dog waste from their yard, but recall that this question was asked only of dog owners, and the sample size of dog owners is lower than the total sample size, while the margin of error is higher for a lower sample size.

What is the most important reason to pick up after your dog(s)?



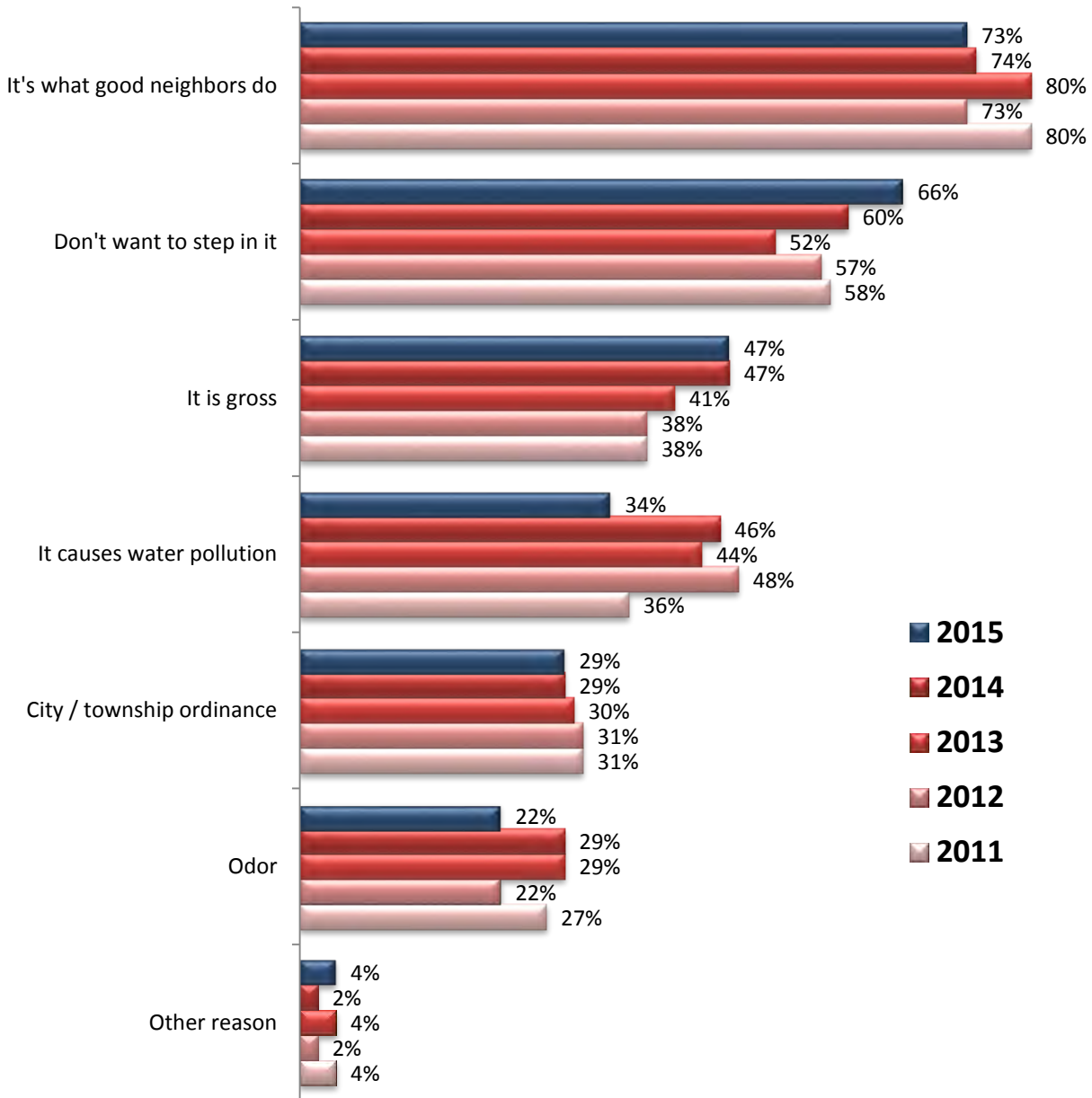
- When asked about the “Most important reason” for picking up after their dog(s), four-in-ten (40%) in 2015 selected “It's what good neighbors do.”
- Less than one-in-five (15%) in 2015 selected “It causes water pollution” as the most important reason to pick up after their dog.

What other reasons (if any) have motivated you to pick up after your dog(s)?



- In addition to the *most* important reason for picking up after their dog(s) as shown on the previous page, respondents were also asked to select any other reasons that motivate them. As shown in the chart above, an additional 19% in 2015 selected “It causes water pollution” as a motivation. When combining results in the chart above with the chart on the previous page, a total of 34% in 2015 were motivated to pick up after their dog(s) because “It causes water pollution,” as shown on the next page.

Most important + other reasons motivating dog owners to pick up after your dog(s):

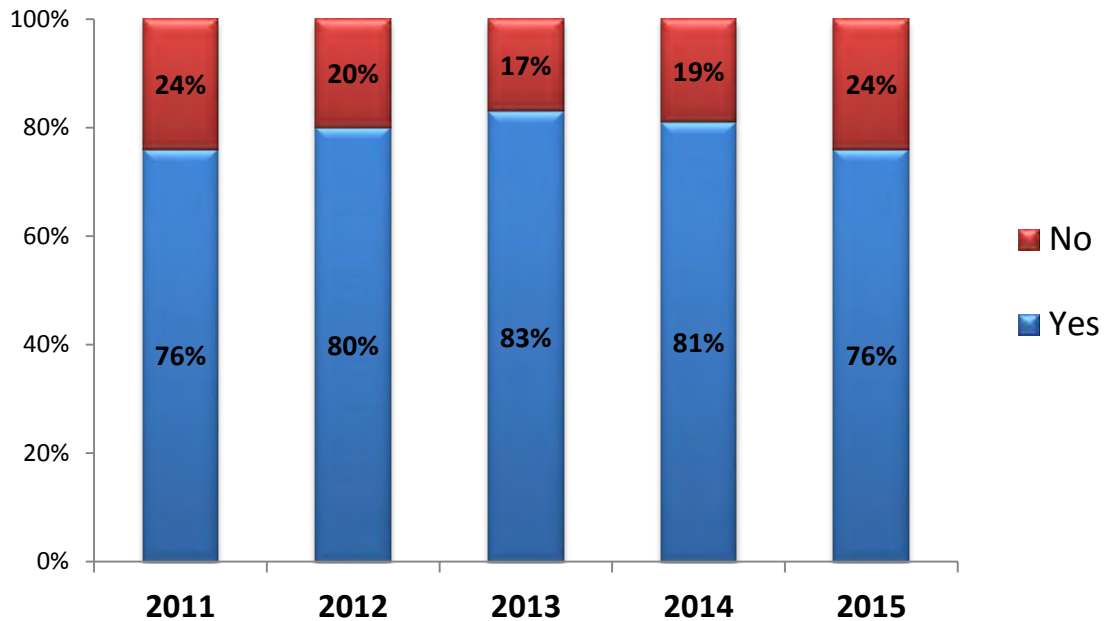


- While it is encouraging to see that one-third in 2015 were motivated to pick up after their dog by wanting to reduce water pollution, this also means that two-thirds were not thinking about water pollution in this context. Also, the proportion selecting this reason declined significantly between 2014 and 2015. This implies that there is room to “educate” more northern Virginia residents about how dog waste is an important cause of water pollution, and “picking up after your dog” is an important action that helps reduce water pollution.

Behavior Related to Lawns & Gardens

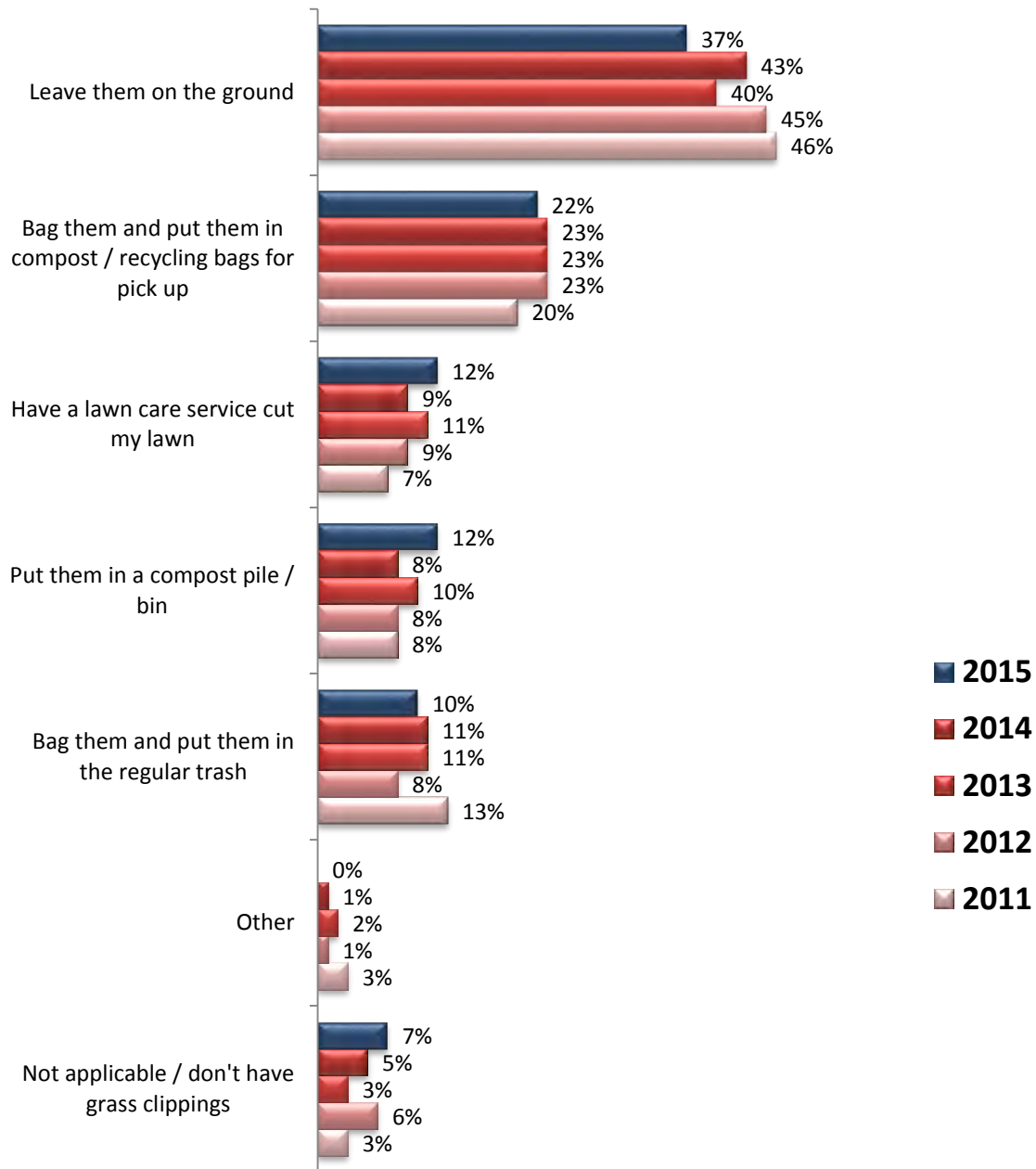
- More than three-fourths of the survey respondents each year indicated that their current home has a lawn or garden.

Does your home have a lawn or garden?



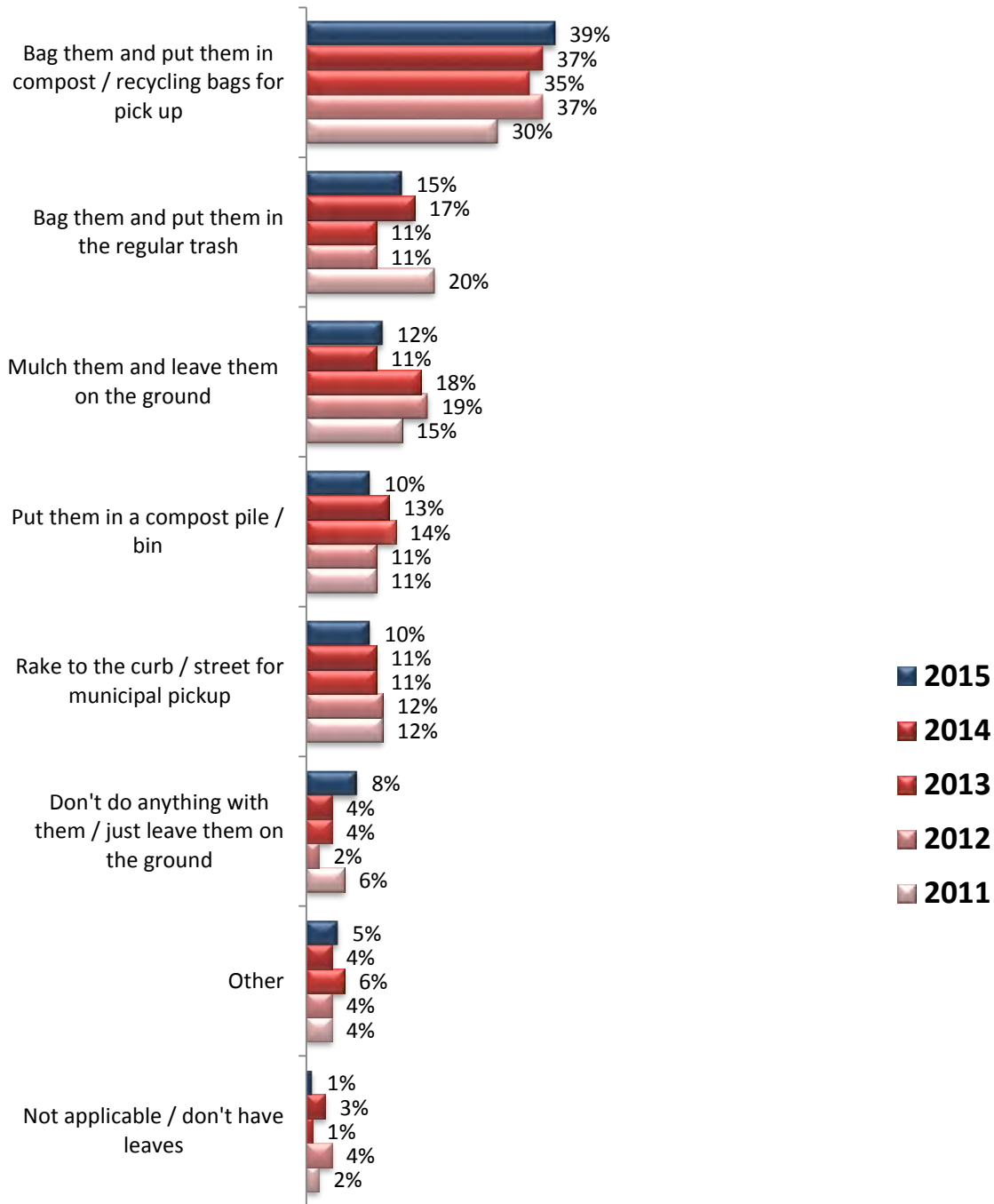
- In a separate question, of the respondents who have a lawn or garden, more than half (64% in 2015, 58% in 2014, 60% in 2013, 62% in 2012, and 67% in 2011) identified themselves as the primary person taking care of the lawn or garden. Several questions about lawns and gardens were then asked only of these respondents (i.e., primary person in the household who takes care of the lawn or garden).
- The first question about lawns and gardens addressed actions related to grass clippings. As shown in the chart on the next page, slightly less than four-in-ten (37%) in 2015 reported that they leave grass clippings on the ground.

What do you do with grass clippings from your lawn or garden?



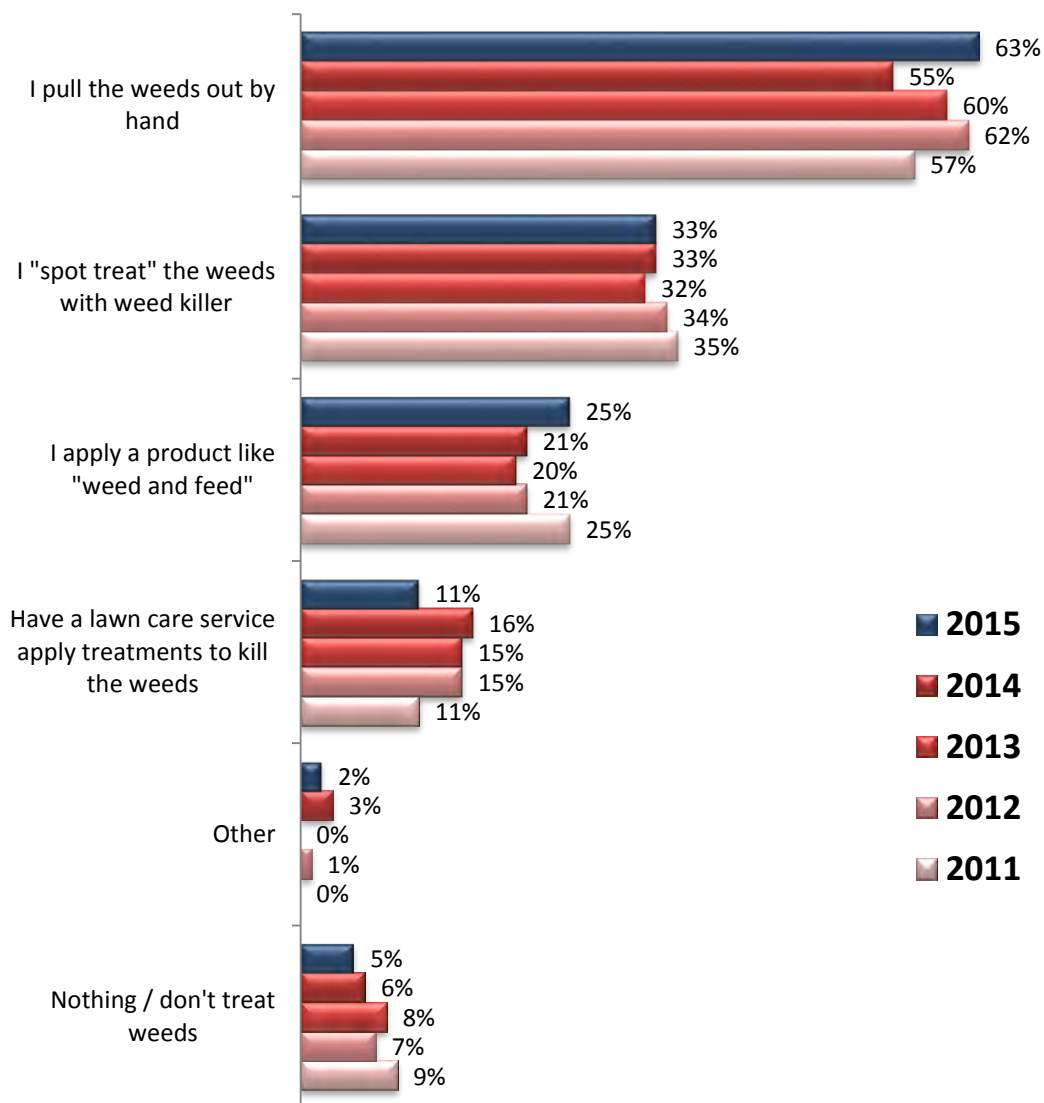
- The proportion leaving grass clippings on the ground in 2015 (37%) was significantly lower than in 2011 (46%) but not significantly different from other years.

What do you do with leaves that collect on your lawn or garden?



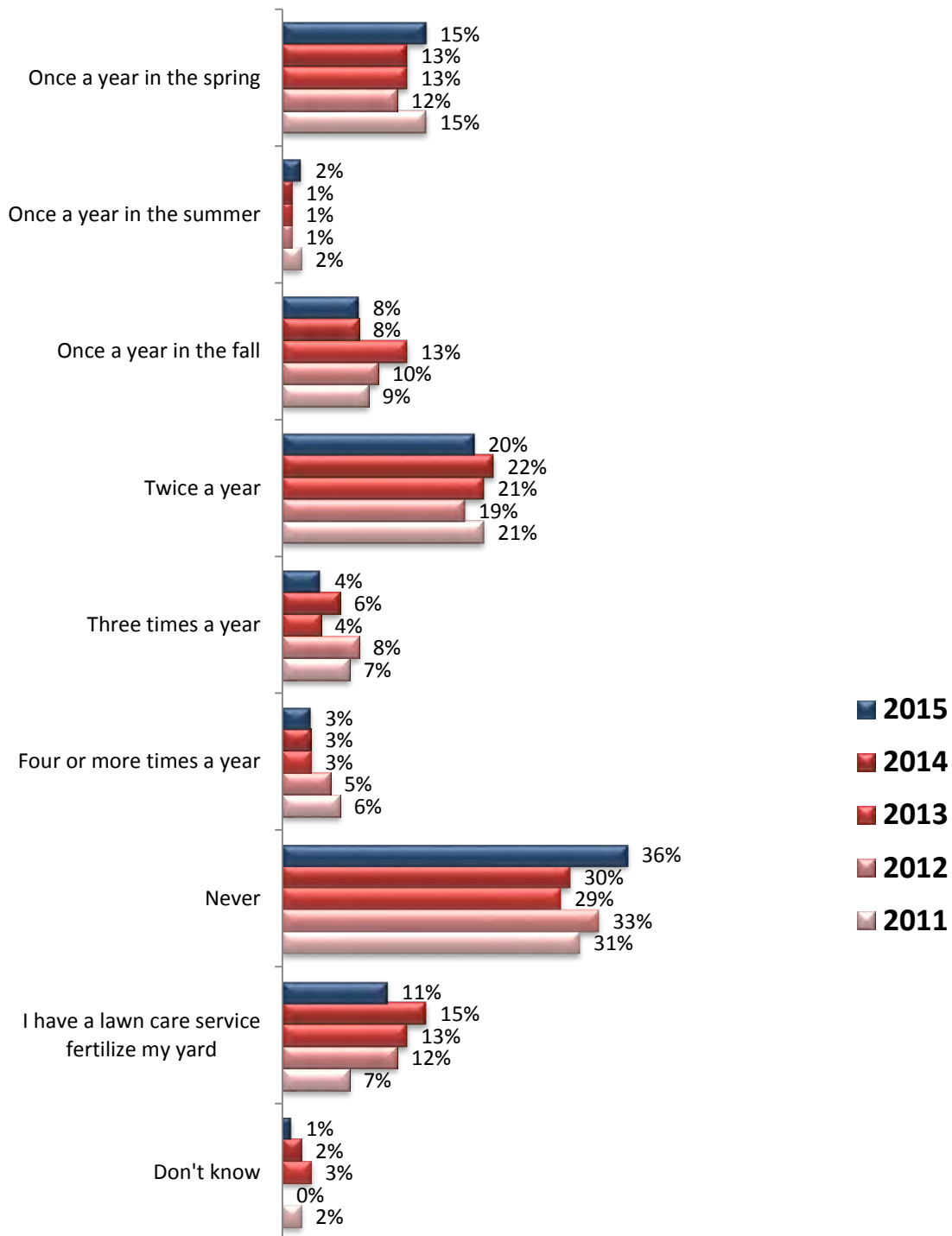
- When it comes to leaves that collect on the lawn or garden, nearly four-in-ten (39%) in 2015 reported putting them in compost / recycling bags. This 2015 result was significantly higher than the result in 2011 (but it was not significantly different from other years).

How do you treat weeds in your lawn or garden?



- When dealing with weeds, more than half reported pulling them out by hand.
- However, it was possible to report more than one way of dealing with weeds. One-third in 2015 reported using “spot treatments,” and one-fourth reported that they apply “weed and feed.” Also, some have a lawn service apply weed killer.

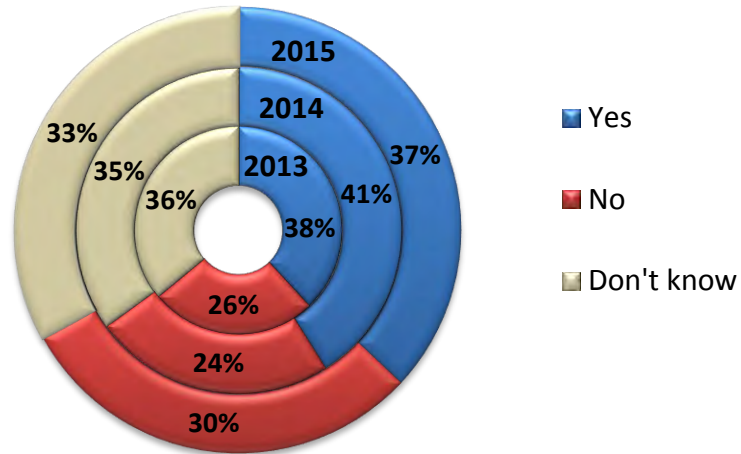
Which of the following best describes how often you fertilize your lawn?



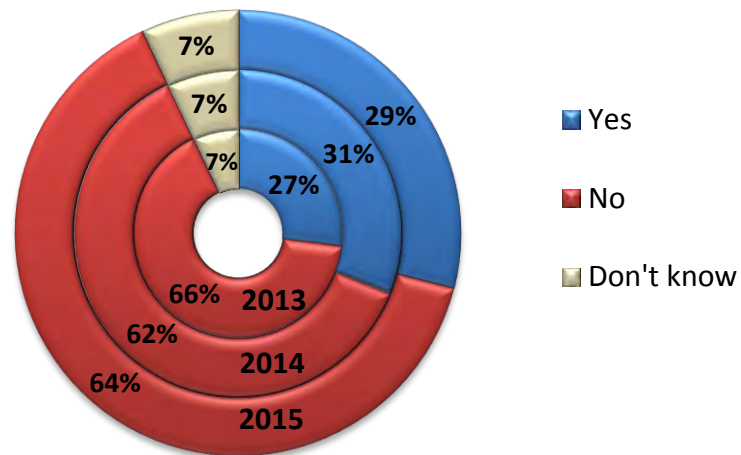
- More than one-third (36%) in 2015 reported that they *never* fertilize their lawn. Among those who do so, fertilizing behavior varied, as shown in the chart above.

- The next two questions were first asked in the 2013 survey. These results are based only on those who fertilize their lawn (or have a lawn service fertilize their lawn) at least once a year. First, nearly four-in-ten (37% in 2015) use a “slow release N fertilizer,” although many didn’t know. Second, more than one-fourth (29%) have had their soil tested for fertility or pH.

Do you use a slow release N fertilizer?



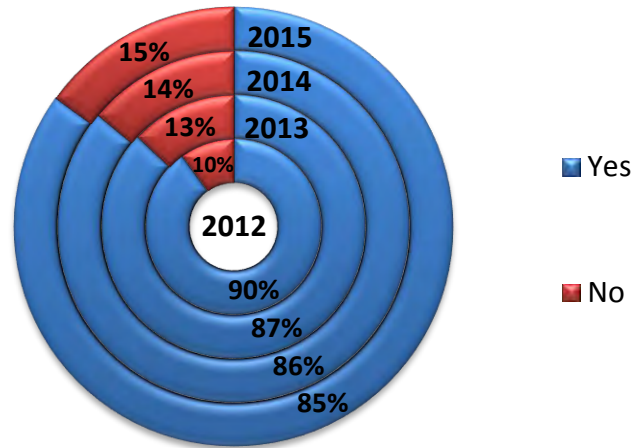
Have you ever had your soil tested for fertility or pH?



Rain Barrels & Rain Gardens

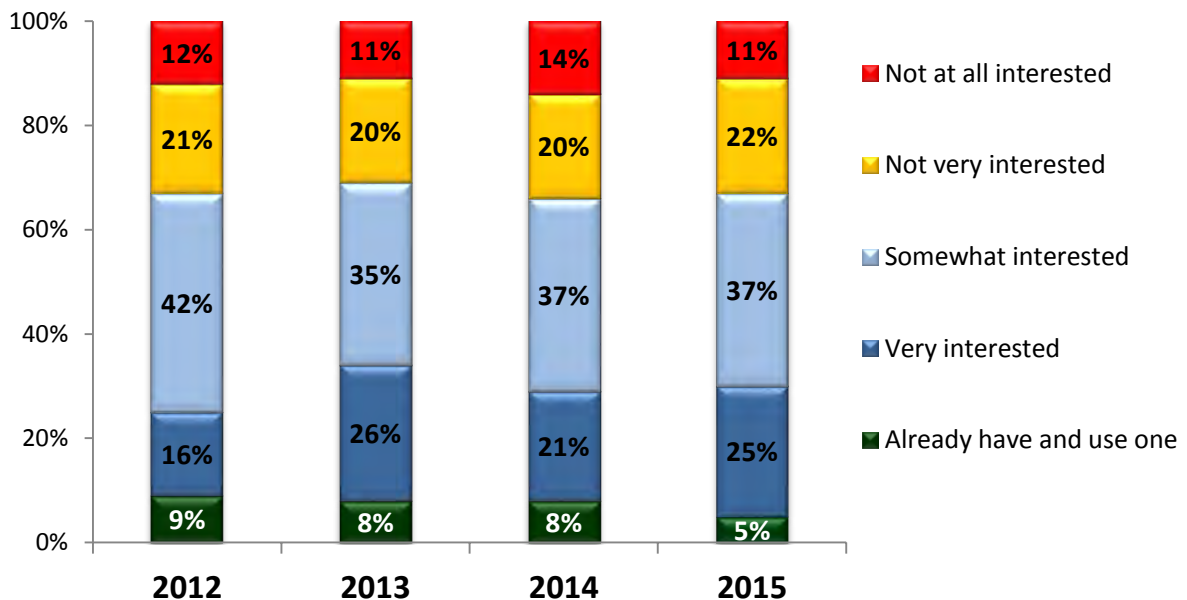
- Questions about “rain barrels” and “rain gardens” were first introduced in the 2012 survey and were asked of those who were the primary person in their household who takes care of their lawn or garden. In the first chart below, 85% in 2015 have heard of a “rain barrel.”

Have you ever heard of a “rain barrel” (i.e., a barrel you put under your downspout to collect rain water that you can use around your yard)?



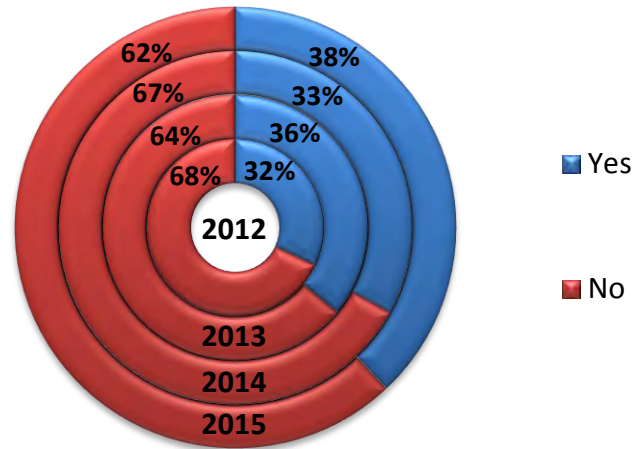
- The proportion “Very interested” in installing and using a rain barrel in 2015 (25%) was significantly higher than in 2012 but similar to 2013 and 2014.

How interested would you be in installing and using a “rain barrel” at your home within the next few years?



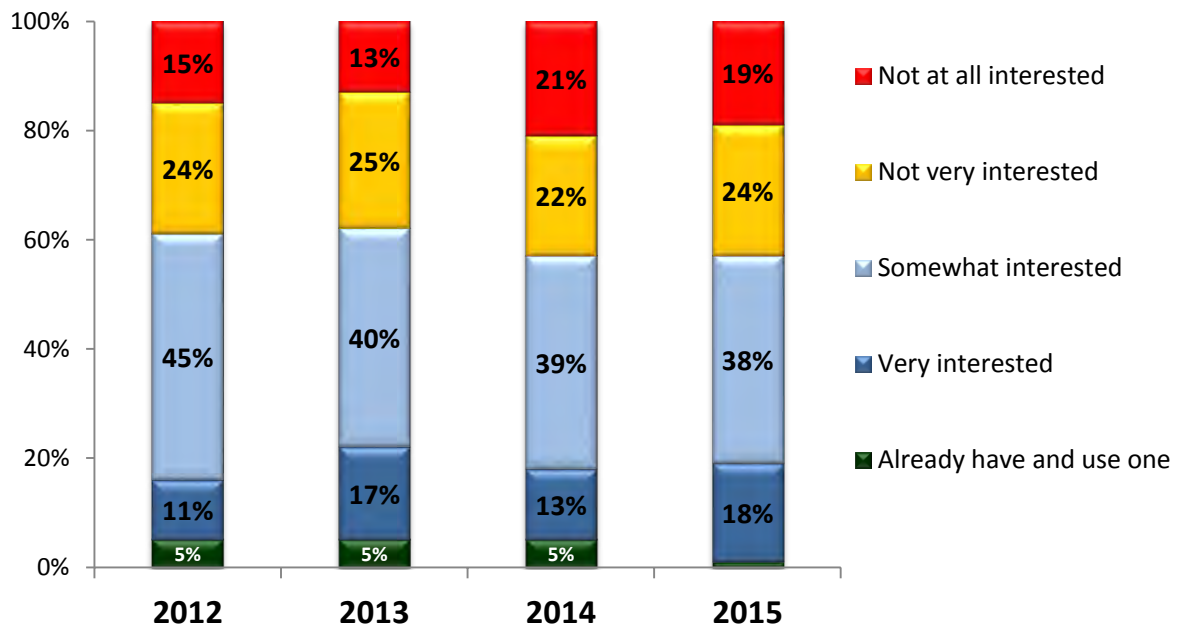
- Again among respondents who reported being the primary person in their household who takes care of their lawn or garden, more than one-third in 2015 have heard of a “rain garden.”

Have ever you heard of a "rain garden" (i.e., a bowl shaped garden area where runoff can collect and soak into the ground)?



- The proportion “Very interested” in a “rain garden” in 2015 (18%) was significantly higher than in 2012 but not significantly different compared to 2013 and 2014.

How interested would you be in installing and using a “rain garden” at your home within the next few years?



Behavior Related to Changing Vehicle Oil

- When asked about changing the oil in their car or truck, more than eight-in-ten each year reported that they use an oil change service, while 11% in 2015 reported taking old motor oil to a gas station or hazmat facility for recycling. A few respondents selected other response options, including three respondents in 2015 who put old motor oil in the trash. Because the number selecting some response options was very small, the results are shown in the tables below, with the frequency (number of respondents selecting each response) and the percentage.

2015: When you need to change the oil in your car or truck, what do you do with the old motor oil?

	<i>Frequency</i>	<i>Percent</i>
I don't change the oil myself / I take it to a garage / oil change service	426	85.2%
Take the old motor oil to a gas station or hazmat facility for recycling	54	10.8%
Store it in my garage	4	0.8%
Put it in the trash	3	0.6%
Don't own a car or truck	13	2.6%
Total	500	100.0%

2014: When you need to change the oil in your car or truck, what do you do with the old motor oil?

	<i>Frequency</i>	<i>Percent</i>
I don't change the oil myself / I take it to a garage / oil change service	426	85.2%
Take the old motor oil to a gas station or hazmat facility for recycling	50	10.0%
Put it in the trash	5	1.0%
Store it in my garage	4	0.8%
Other	1	0.2%
Don't own a car or truck	14	2.8%
Total	500	100.0%

2013: When you need to change the oil in your car or truck, what do you do with the old motor oil?

	<i>Frequency</i>	<i>Percent</i>
I don't change the oil myself / I take it to a garage / oil change service	427	85.4%
Take the old motor oil to a gas station or hazmat facility for recycling	57	11.4%
Put it in the trash	3	0.6%
Dump it in the gutter or down the storm sewer	2	0.4%
Store it in my garage	1	0.2%
Don't own a car or truck	10	2.0%
Total	500	100.0%

2012: When you need to change the oil in your car or truck, what do you do with the old motor oil?

	<i>Frequency</i>	<i>Percent</i>
I don't change the oil myself / I take it to a garage / oil change service	426	85.2%
Take the old motor oil to a gas station or hazmat facility for recycling	49	9.8%
Store it in my garage	3	0.6%
Put it in the trash	2	0.4%
Other	2	0.4%
Don't own a car or truck	18	3.6%
Total	500	100.0%

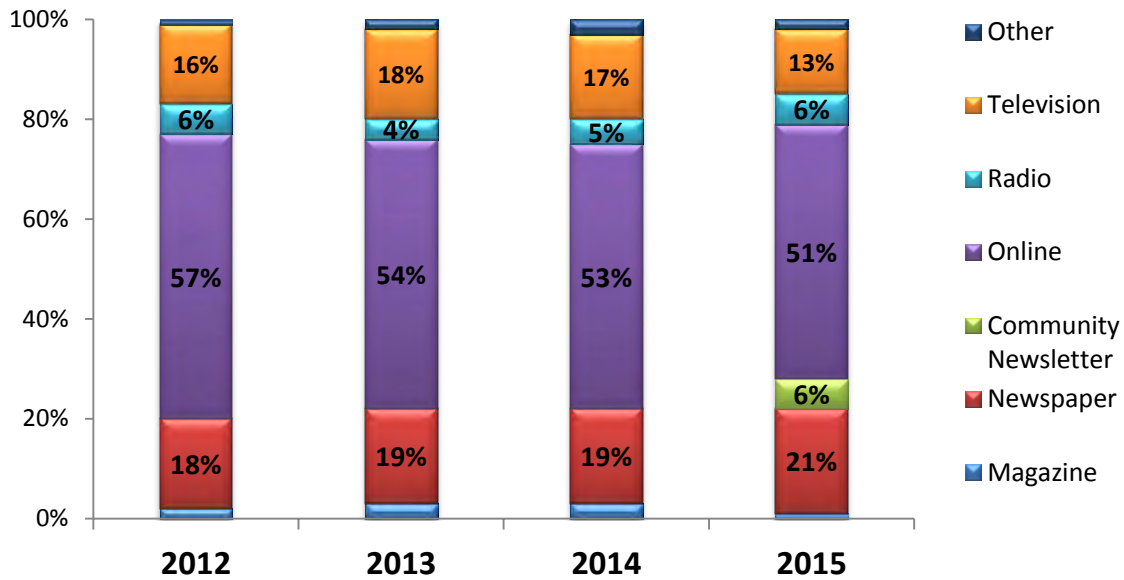
2011: When you need to change the oil in your car or truck, what do you do with the old motor oil?

	<i>Frequency</i>	<i>Percent</i>
I don't change the oil myself / I take it to a garage / oil change service	413	82.6%
Take the old motor oil to a gas station or hazmat facility for recycling	60	12.0%
Put it in the trash	2	0.4%
Other	2	0.4%
Don't own a car or truck	23	4.6%
Total	500	100.0%

Preference for Receiving Information

- Based on a question that was first introduced in the 2012 survey, more than half prefer to receive information online (51% in 2015). However, the response option “Community Newsletter” was first added in the 2015 survey.

How do you prefer to receive information?



- In each of the areas included in the survey, more preferred to receive information online than preferred to receive information from other particular sources, as shown below.

Preference for Receiving Information

	Alexandria	Arlington	Fairfax Inclusive	Leesburg / Loudoun	Dumfries / Stafford
Magazine	0%	1%	1%	1%	2%
Newspaper	18%	21%	21%	16%	27%
Community Newsletter	5%	3%	8%	5%	4%
Online	46%	51%	53%	51%	47%
Radio	5%	9%	5%	6%	4%
Television	22%	13%	10%	17%	16%
Other	4%	2%	2%	4%	0%
<i>N = number of respondents</i>	55	67	255	78	45

- As might be expected, younger respondents were more likely than older respondents to prefer receiving information online.

Preference for Receiving Information	Have Lived in Current Residence < 1 Year	1 to 3 Years	4 to 9 Years	10 to 19 Years	20 or More Years
Magazine	4%	0%	3%	0%	0%
Newspaper	9%	14%	13%	26%	37%
Community Newsletter	6%	6%	5%	6%	7%
Online	64%	57%	49%	51%	41%
Radio	6%	7%	7%	5%	3%
Television	9%	12%	20%	11%	11%
Other	2%	4%	3%	1%	1%
<i>N = number of respondents</i>	53	111	136	101	99

Preference for Receiving Information	Age 21 to 34	35 to 44	45 to 54	55 to 64	65 +
Magazine	3%	0%	1%	0%	2%
Newspaper	7%	9%	19%	31%	39%
Community Newsletter	5%	5%	5%	7%	8%
Online	67%	53%	55%	44%	34%
Radio	5%	8%	11%	1%	2%
Television	11%	20%	8%	13%	15%
Other	2%	5%	1%	4%	0%
<i>N = number of respondents</i>	114	100	101	83	102

Preference for Receiving Information	Male	Female	Homeowners	Renters	Hispanic Respondents
Magazine	1%	2%	1%	3%	2%
Newspaper	22%	19%	22%	13%	9%
Community Newsletter	5%	6%	6%	5%	2%
Online	54%	48%	49%	59%	59%
Radio	3%	8%	6%	5%	2%
Television	12%	15%	14%	12%	16%
Other	3%	2%	2%	3%	10%
<i>N = number of respondents</i>	240	260	380	120	44

Appendix: Questionnaire

2015 Only Rain NVRC Survey

INTRODUCTION:

Welcome, and thank you for participating in this important research survey.

S1. Are you:

- Male
- Female

S2. Which of the following categories includes your age?

- Under 18 **[END SURVEY]**
- 18 to 20 **[END SURVEY]**
- 21 to 24
- 25 to 34
- 35 to 44
- 45 to 54
- 55 to 64
- 65 to 74
- 75 or older

S3. Which of the following best describes your residence?

- I own my home
- I rent my home
- Neither **[END SURVEY]**

S4. Do you live in the state of Virginia?

- Yes
- No **[END SURVEY]**

S5. Which of the following best describes where you live (county or city or town)?

- Alexandria
- Arlington
- Dumfries
- Fairfax (city of)
- Fairfax (county of)
- Falls Church
- Herndon
- Leesburg
- Loudoun County
- Stafford County
- Vienna
- None of the above **[END SURVEY]**

S6. Which of the following describes your ethnicity? (Please select ALL that apply)

- African American / Black
- American Indian / Alaska Native
- Asian
- Hispanic / Latino
- Native Hawaiian / Pacific Islander
- White / Caucasian
- Other

Q1. For how many years have you lived in your current residence?

- Less than 1 year
- 1 to 3 years
- 4 to 9 years
- 10 to 19 years
- 20 or more years

Q2. Do you live within the Potomac River Watershed?

- Yes
- No
- Not Sure
- I do not know what a "watershed" is

Q3. What do you think is the number one cause of pollution in local streams, the Potomac River, and the Chesapeake Bay? (Please select only one)

- Factories / Industrial waste
- Fertilizers and pesticides from lawns and farms
- Garbage / trash / litter
- Gas, oil and exhaust from automobiles
- Pet waste
- Polluted runoff from streets and parking lots
- Don't know / not sure
- Other: _____

Q4. "Stormwater" is rain or other water that flows into the street, along the gutter and into the storm drain. To the best of your knowledge, where do you believe storm water eventually ends up?

- At a waste water treatment facility
- Local streams, ponds or lakes
- Potomac River or Chesapeake Bay
- Underground / seeps in to the ground
- Don't know
- Other: _____

----- Page Break -----

Q5. Do you (or does another person in your household) have a dog?

- Yes **[CONTINUE WITH Q6]**
- No **[SKIP TO Q9]**

Q6. When taking your dog(s) for a walk, how often do you pick up after your dog(s)?

- Always / every time the dog leaves waste
- Usually
- Half the time
- Sometimes
- Rarely
- Never
- Not applicable / I don't take the dog(s) on walks

Q7. How often do you (or does someone else from your household) remove dog waste from your yard?

- Daily
- Weekly
- Monthly
- Less often than once a month
- Never
- Not applicable / don't have a yard

[SKIP OVER Q8a/b IF NEVER OR NOT APPLICABLE IN BOTH Q6 AND Q7]

Q8a. What is the most important reason to pick up after your dog(s)? (Please select only one)

- City / township ordinance
- Don't want to step in it
- It causes water pollution
- It is gross
- It's what good neighbors do
- Odor
- Other reason
- None / no reason to **[SKIP TO Q9]**

Q8b. What other reasons (if any) have motivated you to pick up after your dog(s)? [PROGRAMMING

NOTE: DON'T SHOW WHAT WAS SELECTED IN Q10a]

- City / township ordinance
- Don't want to step in it
- It causes water pollution
- It is gross
- It's what good neighbors do
- Odor
- None of the above

Q9. Does your home have a lawn or garden?

- Yes **[CONTINUE WITH Q10]**
- No **[SKIP TO Q18]**

Q10. Are you the primary person who takes care of the lawn or garden?

- Yes **[CONTINUE WITH Q11a]**
- No **[SKIP TO Q18]**

Q11a. What do you do with grass clippings from your lawn or garden?

- Bag them and put them in the regular trash
- Bag them and put them in compost / recycling bags for pick up
- Leave them on the ground
- Put them in a compost pile / bin
- Have a lawn care service cut my lawn
- Other
- Not applicable / don't have grass clippings

Q11b. What do you do with leaves that collect on your lawn or garden?

- Bag them and put them in the regular trash
- Bag them and put them in compost / recycling bags for pick up
- Rake to the curb / street for municipal pickup
- Mulch them and leave them on the ground
- Put them in a compost pile / bin
- Don't do anything with them / just leave them on the ground
- Other
- Not applicable / don't have leaves

Q12. How do you treat weeds in your lawn or garden? (Select all that apply)

- I apply a product like "weed and feed" that contains weed treatment and fertilizer
- I "spot treat" the weeds with weed killer
- I pull the weeds out by hand
- I have a lawn care service apply treatments to kill the weeds
- Other
- Nothing / I don't treat weeds / leave the weeds alone

Q13. Which of the following best describes how often you fertilize your lawn?

- Once a year in the spring
- Once a year in the summer
- Once a year in the fall
- Twice a year
- Three times a year
- Four or more times a year
- Never **[SKIP TO Q15]**
- I have a lawn care service fertilize my yard
- Don't know

Q14. Do you use a slow release N fertilizer?

- Yes
- No
- I don't know

Q15. Have you ever had your soil tested for fertility or pH?

- Yes
- No
- I don't know

Q16a. Have you ever heard of a "rain barrel" (i.e., a barrel you put under your downspout to collect rain water that you can use around your yard)?

- Yes
- No

Q16b. How interested would you be in installing and using a "rain barrel" at your home within the next few years?

- Not at all interested
- Not very interested
- Somewhat interested
- Very interested
- I already have and use a "rain barrel"

Q17a. Have you ever you heard of a "rain garden" (i.e., a bowl shaped garden area where runoff can collect and soak into the ground)?

- Yes
- No

Q17b. How interested would you be in installing and using a “rain garden” at your home within the next few years?

- Not at all interested
- Not very interested
- Somewhat interested
- Very interested
- I already have a “rain garden” at my home

Q18. When you need to change the oil in your car or truck, what do you do with the old motor oil?

- I don't change the oil myself / I take it to a garage / oil change service
- Take the old motor oil to a gas station or hazmat facility for recycling
- Store it in my garage
- Put it in the trash
- Dump it in the gutter or down the storm sewer
- Dump it down the sink
- I don't own a car or truck
- Other

Q19. How important do you think it is for local governments to spend more money on protecting water quality?

- Not at all important
- Not too important
- Somewhat important
- Very important

----- Page Break -----

Q20. Have you seen any ads on TV or the Internet featuring rubber duckies that talk about reducing water pollution?

- Yes [**CONTINUE WITH Q21**]
- No [**SKIP TO Q22**]
- Not sure [**SKIP TO Q22**]

Q21. Did seeing those ads make you change any of your behaviors related to fertilizing less often and/or reducing water pollution?

(Select all that apply)

- Yes, I now pick up pet waste more often
- Yes, I now plan to fertilize fewer times during the year
- Yes I now properly dispose of motor oil
- I was already doing what is recommend to reduce water pollution
- None of the above applies to me

----- Page Break -----



Q22. Have you seen the logo above anywhere? (Show Only Rain logo)

- Yes
- No

Q23. How do you prefer to receive information? (Please select only one)

- Magazine
- Newspaper
- Community newsletter
- Online
- Radio
- Television
- Other: _____

APPENDIX B

MS4 Webpage Screen Capture

Summary of FCPS Events

Schoolyard Stewardship Mini Grant Information and Projects Awarded

NoVA Outside School Environmental Action Showcase Information



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[Home](#) > [Administration](#) > [Facilities & Transportation Services](#) > [Facilities Management](#) > [Environmental Stewardship](#) > **MS4 Program**

Municipal Separate Storm Sewer System (MS4) Program

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

What's New

Learn what our schools are doing to protect our waterways.

- FCPS makes progress in clearing the [Colvin Run dry ponds](#)
- [FCPS teachers meet](#) to discuss wetlands and rain gardens
- [Lane Elementary Outdoor Classroom](#) to Provide Hands-On Lessons in Science, Ecomanagement
- Rain Barrel Program - Find out how rain barrels benefit you and the environment
 - [Rain Barrel Workshop Presentation](#) | [How to Plan a Rain Barrel Workshop](#) | [Cost of Supplies](#) (Courtesy of Longwood University)
 - [Fairfax County Rain Barrel Workshops](#) | [View rain barrel artwork in the community](#)

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.

External Links

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

- [Clean Virginia Waterways](#)
- [Fairfax County Municipal Separate Storm Sewer System \(MS4\)](#)
- [North American Association for Environmental Education](#)
- [Northern Virginia Soil and Water Conservation District](#)

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MS4 Program Plan and Reports

- [MS4 Program Plan](#)
- [MS4 Annual Report 2013-14](#)
- [FCPS 2013 Registration Statement](#)

Resources

What FCPS Schools Are Doing to Protect Our Waterways

What's Up With That? Dry Ponds at Colvin Run Elementary School



[Play](#) (01:52)

Bayscaping at Daniels Run Elementary School



[Play](#) (02:55)

Contact Information

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703-764-2429

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703-624-0337

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5025 Sideburn Road
Fairfax, VA 22032

Webpage Curator

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Last Updated

October 29, 2014

FCPS Activities: MS4 2014 - 2015 Reporting Period

<u>Event</u>	<u>Short description of the activity.</u>	<u>Date</u>	<u># Students</u>	<u># Adults</u>
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.	04/09/2015	500	205
Chesapeake Bay Foundation Principals Leadership Course	Two and a half days at Chesapeake Bay Foundation's Port Isobel location studying water quality on the Chesapeake Bay. Potential for FCPS schools to improve Chesapeake Bay watershed. Training and leadership to engage students and staff in Get2Green and eco-schools activities.	July 30-August 1, 2014		18
Chesapeake Classrooms 2014	Five-day training course on Potomac River and Chesapeake Bay watersheds. Development of action plans for interdisciplinary teams to engage students in environmental stewardship projects.	August 11-August 15, 2014		12
Get2Green Principal Meeting	Meeting at Lanier Middle School about using the environment as an integrating concept for learning. Topics included building wildlife habitat, measuring biodiversity, and other stewardship projects. Tours of Lanier's rain gardens and wildlife habitat were included.	10/09/2014		80
Kent Gardens Elementary Planting Days	Students at all grade levels planted seeds in the school's gardens in the outdoor classroom. The PTA led the gardening activities and set up a learning station for grade 4 students and teachers to learn about pollinators.	Multiple dates April-June 2015	400	10
Daniels Run Elem. - Chesapeake Bay Foundation aquatic vegetation project	Third grade students participated in the Chesapeake Bay Foundation restoration of submerged aquatic vegetation project. Students grew underwater grass in an aquatic system replicating the Chesapeake Bay water conditions.	February 7 - May 30, 2015	100	
Daniels Run - Potomac River pollution simulation	Fourth grade students participated in a simulation where they polluted the Potomac River, using a story starting from the early history of the area all the way to current day. They learned the effects population growth can have on a natural resource and the cumulative impact of individual actions.	April 13-15, 2015	80	
Daniels Run - Anacostia Watershed Society's Raising American Shad program	Sixth grade students participated in the Anacostia Watershed Society's Raising American Shad program. Students conducted water testing, retrieved unfertilized eggs and learned about the history and life cycle of the anadromous species.	April 27-May 1, 2015	75	
Lanier Middle School	Community service day to remove invasive species from the school courtyard and maintain the outdoor living classroom. Students, parents, and community members joined to remove weeds and mulch the area.	October 2, 2014	75	25
			1230	350



FCPS Get2Green

About FCPS Get2Green

Get2Green was started several years ago by a group of active principals meeting periodically to share information and resources on their successes in using the environment as an integrating concept for instruction and community building. Four years ago Instructional Services formalized this effort by defining the graduation of environmental stewardship for FCPS as a combination of knowledge and student action. To assist schools with a framework for student action, FCPS partnered with the National Wildlife Federation Eco School USA program. Through this program, FCPS efforts focus on developing student driven action teams within Eco Schools across the county. These teams work on a variety of environmental topics (pathways) under the Eco School umbrella. In addition, we focus efforts on teacher professional development to assist teachers in running eco teams, working with students on Eco School USA activities, and in taking students outdoors for lessons. Efforts are also underway to integrate curriculum areas to these project-based learning opportunities to also enforce the development of environmental knowledge and 21st century skills. As FCPS works to implement the Portrait of a Graduate, Get2Green is working closely with FCPS Science, Technology, Engineering, Art and Math (STEAM) and Service Learning to create tools for interdisciplinary learning.



Where are we now?

- 65+ Registered Eco Schools with 5 Green Flags, the highest award and Eco School can achieve (Churchill Road ES, Centreville ES, Flint Hill ES, Lake Anne ES and Lainer MS)
- 70+ additional school working on projects
- 80+ wildlife habitats
- 45+ Edible Gardens
- Get2Green Principals meeting quarterly for the fourth year in 2014-15

Focuses for the 2014-15 School Year:

In addition to focusing on environmental management and environmental stewardship efforts, Get2Green is focusing in on the development and analysis of metrics to monitor the success of the program's efforts on specific Eco School pathways listed below.

Focus Area	Ongoing Work	Metric
Urban Wildlife Habitat (Schoolgrounds pathway) Learn More	Provide resources to schools building wildlife habitat	Biodiversity Survey
Recycling (Consumption and Waste pathway)	Through HS team, provide recycling information to schools and conduct Recycling Mascot Challenge.	Dollars Saved
Energy Conservation	Collaborate with Cenergistic Energy Specialists to assist schools working on the Eco Schools Energy Pathway.	Dollars Saved



News:

Recycling High School Communications and Marketing Plan:

Fairfax County Public Schools (FCPS) Get2Green and Ernst and Young are working with a multi-high school team to improve recycling education across FCPS. Schools represented on the team include: Stuart, Langley, TJ, Chantilly, Fairfax, and Herndon. If you would like to join the team or have questions, please contact us at: recycling@fcps.edu

[What to Recycle](#)

[Recyclable Mascot Competition](#)

Save the Date:

School Environmental Action Showcase
April 9, 2015
George Mason University, Fairfax

[Principals Visit Island in Chesapeake Bay](#)

School Blogs:

- [Lanier MS Blog](#)
- [Belvedere ES Blog](#)
- [Terra Centre ES Blog](#)

Like us on Facebook:

[Get2Green Facebook Page](#)

Contact:

[Elaine Tholen](#)
Environmental Educator

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Webpage Curator

Rebecca Tenally
ritenally@fcps.edu

Sustainable Food	Collaborate with Golden Wellness Program to enhance work on Eco School Sustainable Food and Healthy Living Pathways.	Number of Gardens Installed
------------------	--	-----------------------------



FCPS and Community Partners

- [National Wildlife Federation \(NWF\) Eco-Schools USA](#)
- [National Wildlife Federation \(NWF\) Schoolyard Habitats](#)
- [Chesapeake Bay Foundation](#)
- [Fairfax County Parks and Nature Centers](#)
- [FCPS Service Learning](#)
- FCPS STEAM
- [Plant Nova Natives](#)
- [Fairfax County Department of Public Works and Environmental Management](#)
- [U.S. Fish and Wildlife Service Patuxent Research Refuge](#)

Why is this important?

The term "nature-deficit disorder" was coined by author Richard Louv in his book "Last Child in the Woods" to describe what happens to young people who become disconnected from their natural world. Louv links this lack of nature to some of the most disturbing childhood trends, such as the rises in obesity, attention disorders, and depression.

In addition, recent studies have shown that using the environment as an integrating concept has increased student academic achievement and enhanced student problem solving and critical thinking skills. See the resources list at the end of this report.

Through collaboration with initiatives FCPS is involved in such as Service Learning and Science, Technology, Engineering, Art and Math (STEAM), enhancement of critical thinking and other 21st century skills, Get2Green can offer an avenue to achieve multiple goals at once.

Due to the overlap of Get2Green's instructional activities with Facilities and Transportation and Food and Nutrition departments, new partnerships are being forged within the school district. FCPS is growing and focusing activities under Get2Green to allow for greater efficiencies overall.

There are state and national efforts moving forward to promote environmental literacy and green schools such as the US Department of Education's Green Ribbon School program. Get2Green is patterned along the lines of this national effort and is already on the way to being a model for Virginia environmental literacy efforts.

Are you interested in learning more about being a partner with Get2Green?

[Visit the FCPS Business and Community Partnerships site.](#)





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2015 School Environmental Action Showcase



When

Thursday, April 9, 2015
9:00 a.m. to 2:30 p.m.

Where

George Mason University
Center for the Arts
4400 University Drive
Fairfax, VA 22030

What is the School Environmental Action Showcase?

For the past three years, NoVA Outside and GMU have hosted the School Environmental Action Showcase (SEAS) on the GMU Fairfax campus. This is a regional event involving students from Alexandria City, Arlington, Falls Church and Fairfax County Public Schools. In 2015, Prince William and Loudoun County Public Schools will also be invited.

This event is all about empowering students. The speakers are students and the participants are students and student eco team sponsors. Last year's event hosted over 520 student participants from 44 schools.

The teams from across the region celebrate the "Green or Eco" work they are doing at their school and in their communities. The student teams apply STEM (Science, Technology, Engineering and Math) concepts to real, authentic, environmental problems they identify. They develop action plans to solve the problems and go to work—reducing waste, conserving energy, providing habitat for animal species, creating sustainable food programs, cleaning watersheds, etc.

Besides showcasing student work, regional Caring for Our Watersheds (Earth Force) and KidWind (JMU Center for Wind Energy) competitions are part of the event. This year we will also have a Recyclable Mascot Competition sponsored by the Fairfax County High School recycling team. All of this allows students, teachers and administrators to network, build knowledge and gain ideas to further their school's efforts in environmental stewardship. Participation in an event like this and the work that leads up to it is instrumental in helping students build 21st Century life skills (collaboration, critical thinking, communication, etc.) and service to the community.

In addition to the above participants, over 30 other partner organizations such as federal, state and local agencies and NGOs are invited to participate in the event to run hands on learning activities for the students and talk to kids about their careers.

In addition to the student activities, area elected officials, senior school personnel, corporations, state education officials, etc. are invited to the event to share with the students and to become more aware of the strength of student environmental action in Northern Virginia and the importance of supporting such work.

How can you participate?

Schools can participate by entering the Recyclable Mascot Challenge, the KidWind Challenge, or the Caring for Our Watersheds contest, and/or by bringing a display or exhibit. [DETAILS HERE.](#)

Find directions and a rubric for the Recyclable Mascot Challenge [here.](#)

Partners can sign up to lead an activity for student groups at the partner village (outdoor tent area). [DETAILS HERE.](#)

Volunteers can help in a variety of ways during the Showcase. See where we need help and sign up [here.](#)

Sponsors are needed! Please contact showcase@novaoutside.org

This year's sponsors include:

- Fairfax County Federation of Teachers
- Ernst and Young
- Smart Garden Signs
- Potomac Disposal Services
- Virginia Resource Use Education Council

Fairfax County Federation of Teachers Sustainability Award for Dynamic Young Visionary

This award is presented by the Fairfax County Federation of Teachers to a school or organization at SEAS that demonstrates outstanding environmental stewardship. FCFT believes that young people who are demonstrating innovative and collaborative problem solving strategies, and environmental responsibility will be our visionary leaders of the 21st century. To define an Environmental Leader, we think of stewardship. Students who:

- Pursue their own ideas and environmental ideals to make their school or community a better, healthier place to live.
- Show teamwork and collaboration to help solve important environmental problems.
- Ask thought-provoking questions, set high goals, and design creative GREEN action plans!
- Use effective writing skills to demonstrate understanding of concepts.
- Use effective evaluation and reasoning skills in determining a conclusion.

Caring for our environment is a shared responsibility. We have many challenges ahead to make our world a healthier, greener place to live. Together, with the help of dynamic visionaries, we can tackle real world problems of hunger, clean air and water, waste management, and energy consumption... and we can make a difference.

Questions? Contact showcase@novaoutside.org



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Featured native plant: *Panicum virgatum* L., Switchgrass, Wand Panic Grass

Sally and Andy Wasowski, Lady Bird Johnson Wildflower Center



FOR IMMEDIATE RELEASE

April 28, 2015

FCPS Students Participate in Fourth Annual Environmental Action Showcase



Students from Fairfax County Public Schools (FCPS) recently participated in the fourth annual School Environmental Action Showcase (SEAS) at George Mason University (GMU). This event enables teams of student from across the region to participate in events showcasing their skills using science and technology to solve environmental problems.

Marshall High School students participated as keynote speakers at the opening ceremony describing an experiment they are working on in conjunction with George Mason High School in Falls Church City and the Northern Virginia Soil and Water Conservation District. The experiment looks at ways to improve urban soils for the future planting of wildlife habitat.

More than 800 participants competed in one or more of four key competitions. In the Caring for Our Watersheds regional competition, Lanier Middle School took second place with a project to reduce the use of disposable plastic bottles.

A Dynamic Young Visionary Award, sponsored by the Fairfax County Federation of Teachers, was awarded to Hollin Meadows Elementary School for its work on increasing bee populations and to Longfellow Middle School for its work to enhance monarch butterfly habitat. This special award was given to schools that most exhibited the skills of FCPS Portrait of a Graduate.

Lanier Middle School took first place in the KidWind Regional Wind Turbine Challenge, and Flint Hill Elementary School and Mantua Elementary School teams got special judges' designations for the work they did to creatively build wind turbines. Robinson Secondary School took first place in the high school division of the Recyclable Mascot Competition. Rocky Run Middle School took first place in the middle school division and Providence Elementary School, Draneville Elementary School, and Aldrin Elementary School took first, second, and third place, respectively, in the elementary school division.

Over 20 partner organizations provided inquiry-based STEM (science, technology, engineering, and math) activities where students learned about sustainability issues and explored career options. GMU students interviewed the participants about their projects, providing opportunities for the younger student opportunities to hone their scientific communication skills.

The event was jointly hosted by GMU's Potomac Environmental Research and Education Center, NoVA Outside, and Earth Force, and coordinated with the James Madison University Center for Wind Energy. Additional information is available at <http://novaoutside.org/>.

Visit the [Get2Green Facebook page](#) to see photos and information on the event and other green initiatives taking place in FCPS.

###

>Note: For more information, contact Elaine Tholen at evtholen@fcps.edu.

SCHOOLYARD STEWARDSHIP MINI GRANT – SUMMARY OF AWARDS FY 2015

LOCATION	PRINCIPAL	PROJECT SUMMARY
Annandale HS	Vincent Randazzo	Native plant garden/habitat for birds and pollinators in courtyard. Includes plant signs, bird bath, and soil amendment.
Belvedere ES	Cecilia Vanderhye	Modern Era period garden between entrances 1 and 2. Will extend to existing pollinator garden just east of Entrance 1 and four storm drains. Focused on biodiversity, native plants, and watershed protection.
Bren Mar Park ES	Jason Pannutti	Native courtyard garden. Includes labels with QR codes for all plants, shallow water basin for turtles, bird feeding station, bench, stepping stones, and rain barrel.
Burke School	Frank Tranfa Jr.	Completion of edible garden area – adding 4'x8' raised bed; planting vegetables and herbs for consumption by students, staff, and animals in animal care program; constructing shelf with grow lights for seedlings; and building fence and gate around garden. Creation of sustainable compost supply.
Centre Ridge ES	Margo Dias Pareja	Woodland Outdoor Classroom – 35'x35' space “carved” out of existing woodland buffer area in front of school bordering New Braddock Rd.
Chantilly HS	Teresa Johnson	Raised native plant propagation raised garden bed in Head Start playground area. Handicap-accessible garden tables for elementary schools to use in “Salad Science” program.
Clermont ES	Anne Stokowski	Native Plant Courtyard Garden for use as outdoor classroom and wildlife habitat for birds and pollinators.
Dogwood ES	Mie Devers	Native Plant Pollinator Garden. Will help solve problems of playground erosion, water conservation, and improving pollinator biodiversity and habitat.
Fairfax HS	David Goldfarb	Phase 1 of garden area expansion on south side of school by Entrance 6. Phase 1 will add 500 sf of planting area (approx. 250 sf for vegetables), rain barrel, and compost tumbler.
Fairview ES	Lynn Mayer	Meadow habitat on hillside between blacktop and soccer field. Meadow will solve erosion problems on hillside, provide wildlife habitat, and serve as an outdoor learning space. Project includes planting new grasses and forbs and installing two rain barrels.
Forestdale ES	Merrell Dade	Butterfly garden with native plants. Will also serve as outdoor learning space.
Hunters Woods ES	Emily Cope	Hoop houses for raised beds to extend vegetable growing season. Bird feeder hanger system with wildlife camera to observe birds.
Kent Gardens ES	Holly McGuigan	Permeable pavers to connect garden areas in Courtyard Outdoor Classroom.
Kilmer Center	Michael Romanelli	Soil, tools, and rain barrel for use with accessible garden beds built through Chantilly High’s SSMG award. Transportation for Chantilly students to install beds at Kilmer.

SCHOOLYARD STEWARDSHIP MINI GRANT – SUMMARY OF AWARDS FY 2015

LOCATION	PRINCIPAL	PROJECT SUMMARY
Lane ES	Eleanor Contreras	Outdoor classroom expansion – new raised beds for edible garden and pollinator garden, soil for gardens, bird bath, bird feeder, and rain barrel.
Lanier MS	Scott Poole	Model Solar House Project – supplies for 100 houses. Seeds, plants, and soil for vegetable garden.
Lemon Road ES	Andrew Camarda	Renewable resource/STEM project pilot using Lego Mindstorms Renewable Energy Kit.
Luther Jackson MS	Chad Lehman	Extension of Native Habitat Area – converting two 50'x20' areas in front of school from turf grass to native habitat/outdoor learning environment.
Lynbrook ES	Mary McNamee	Courtyard Wildlife Habitat – 2400 sf with native plants and bird feeders. Applying for NWF Schoolyard Habitat Certification and Audubon at Home Wildlife Sanctuary Certification.
Madison HS	Mark Merrell	Equipment for Trout Unlimited watershed assessment partnership.
Marshall HS	Jeffrey Litz	Native plants for expanding wildlife habitat in Native Species Courtyard.
McLean HS	Ellen Reilly	Living Native Garden Courtyard – approx. 24'x61' area planted with native species.
Navy ES	Jon Coch	Pollinator garden expansion with native plants (additional 900 sf to double size). Also adding compost bin, 2 rain barrels, and sprinkler system.
Quander Road School	Carlyn Floyd	Expanding Quander Garden with alternating plots of vegetable garden and native plants. Also one three sisters plot.
Sangster ES	Lisa Reddel	Cafeteria recycling program.
Union Mill ES	Kathleen Case	Outdoor classroom with patio and benches on northeast side of school.
Westlawn ES	Linda Ferguson	New plants and seeds for outdoor classroom and Discovery Area. Mulch for maintaining existing plants in these areas.

APPENDIX C

Dry Weather Outfall Screening Results
Recycled Mascot Challenge Information

Stormnet ID	Watershed	Retest Required	Date Inspected	Year	Time Inspected	Investigators	Recorder	Landuse	Known Industry	Notes/Comments	Location	Pipe Material	Pipe Shape	Number of Pipes	Pipe Width	Pipe Height	Headwall Condition	Flow Observed	Flow Rate	Discharges To	Water Temp	pH	Specific Conductivity	Copper	Phenol	Fluoride	Detergents	Flow Physical Indicators	Odor	Odor Severity	Color	Color Severity	Turbidity	Turbid Severity	Floatables	Floatables Severity	Nonflow Physical Indicators	Stains	Stain Notes	Abnormal Vegetation	Pool Quality	Pool Notes	Algae	Outfall Characterization	In Field	Track Down Results
STMN0161060461	Horsepen Creek	No	5/14/2015 0:00	School	1332	CG, JW	CG	Institutional	Hutchinson ES		Closed Pipe	RCP	Circular	Single	15	15	No Headwall	No		Detention Basin																No						Unlikely	Not Necessary			
STMN0181053504	Difficult Run	No	5/14/2015 0:00	School	1115	CR, LA	LA	Institutional	Forest Edge ES	Over 50% blocked with debris. Standing water.	Closed Pipe	RCP	Circular	Single	15	15	No Headwall	No																		No						Unlikely	Not Necessary			
STMN0181057031	Difficult Run	No	5/14/2015 0:00	School	1105	CR, LA	LA	Institutional	Forest Edge ES		Closed Pipe	RCP	Circular	Single	12	12	Good	No																		No						Unlikely	Not Necessary			
STMN0181057865	Difficult Run	No	5/14/2015 0:00	School	1100	CR, LA	LA	Institutional	Forest Edge ES		Closed Pipe	HDPE	Circular	Single	8	8	No Headwall	No																		No						Unlikely	Not Necessary			
STMN0181058356	Difficult Run	No	5/14/2015 0:00	School	1055	CR, LA	LA	Institutional	Forest Edge ES		Closed Pipe	RCP	Circular	Single	15	15	Good	No																		No						Unlikely	Not Necessary			
STMN0181058487	Difficult Run	No	5/14/2015 0:00	School	1110	CR, LA	LA	Institutional	Forest Edge ES	Sediment deposited in pipe	Closed Pipe	RCP	Circular	Single	14	14	Good	No																		Yes	Other Sediment						Unlikely	Not Necessary		
STMN0213406306	Dead Run	No	5/14/2015 0:00	School	1300	CR, LA	LA	Institutional	Cooper MS	Almost completely blocked by yard waste, needs maintenance.	Closed Pipe	RCP	Circular	Single	15	15	Fair	No																		No						Unlikely	Not Necessary			
STMN0262012668	Difficult Run	No	5/14/2015 0:00	School	950	CR, LA	LA	Institutional	Terraset ES	New outfall to replace STMN0262012668	Closed Pipe	RCP	Circular	Single	16	16	No Headwall	No																		No						Unlikely	Not Necessary			
STMN0262013273	Difficult Run	No	5/14/2015 0:00	School	940	CR, LA	LA	Institutional	Terraset ES		Closed Pipe	RCP	Circular	Single	16	16	No Headwall	No																		No						Unlikely	Not Necessary			
STMN0304412905	Pimmit Run	No	5/14/2015 0:00	School	1400	CR, LA	LA	Institutional	Kent Gardens ES	Drainage Channel/concrete armor has collapsed into stream	Open Drainage						No Headwall	No																		No						Unlikely	Not Necessary			
STMN0304413034	Pimmit Run	No	5/15/2015 0:00	School	1415	DW, JS	DW	Institutional	McLean HS		Closed Pipe	RCP	Circular	Triple			Good	No																	No						Unlikely	Not Necessary				
STMN0313412306	Pimmit Run	No	5/15/2015 0:00	School	1400	DW, JS	DW	Institutional	Chesterbrook ES		Closed Pipe	RCP	Circular	Single	36	36	Good	No																		No						Unlikely	Not Necessary			
STMN0334075893	Cub Run	No	5/14/2015 0:00	School	1038	CG, JW	CG	Institutional	Westfield HS		Closed Pipe	RCP	Circular	Single	20	20	Good	No			Detention Basin															Yes	Flow Line						Unlikely	Not Necessary		
STMN0334076027	Cub Run	No	5/14/2015 0:00	School	1040	CG, JW	CG	Institutional	Westfield HS		Closed Pipe	RCP	Circular	Single	36	36	Good	No			Detention Basin															No						Unlikely	Not Necessary			
STMN0334076123	Cub Run	No	5/14/2015 0:00	School	1045	CG, DW	CG	Institutional	Westfield HS	Lots of ground water coming from under pipe	Closed Pipe	RCP	Circular	Single	36	36	Good	No			Detention Basin															Yes		Excessive Algae	Water not from pipe				Unlikely	Not Necessary		
STMN0351022111	Horsepen Creek	No	5/14/2015 0:00	School	1247	CG, JW	CG	Residential	Oak Hill ES		Open Drainage						No Headwall	No			River / Stream															No						Unlikely	Not Necessary			
STMN0351022188	Horsepen Creek	No	5/14/2015 0:00	School	1252	CG, JW	CG	Institutional	Oak Hill ES		Open Drainage						No Headwall	No			River / Stream															No						Unlikely	Not Necessary			
STMN0351022254	Horsepen Creek	No	5/14/2015 0:00	School	1300	CG, JW	CG	Institutional	Oak Hill ES	Water pooled into outfall, no US manholes	Closed Pipe	RCP	Circular	Single	15	15	Good	Stagnant																			No						Unlikely	Not Necessary		
STMN0351510298	Horsepen Creek	No	5/14/2015 0:00	School	1256	CG, JW	CG	Residential	Oak Hill ES		Open Drainage						No Headwall	No			River / Stream															No						Unlikely	Not Necessary			
STMN0353030249	Cub Run	No	5/14/2015 0:00	School	1123	CG, JW	JW	Institutional	Lees Corner ES		Closed Pipe	RCP	Circular	Single	12	12	No Headwall	No			Woods															No						Unlikely	Not Necessary			
STMN0353030399	Cub Run	No	5/14/2015 0:00	School	1142	CG, JW	JW	Institutional	Lees Corner ES		Closed Pipe	RCP	Circular	Single	15	15	Good	No			River / Stream															No						Unlikely	Not Necessary			
STMN0401415533	Pimmit Run	No	5/15/2015 0:00	School	1337	DW, JS	DW	Institutional	Lemon Road ES		Closed Pipe	RCP	Circular	Single	12	12	No Headwall	No			Detention Basin															No						Unlikely	Not Necessary			
STMN0432513605	Cub Run	No	5/14/2015 0:00	School	1050	CG, JW	CG	Institutional	Westfield HS		Closed Pipe	RCP	Circular	Single	36	36	No Headwall	Yes	Moderate	Detention Basin	14.3	7.8	719.0	0.07	0.1	0										Yes		Excessive Algae					Unlikely	Not Necessary		
STMN0481035606	Accotink Creek	No	5/26/2015 0:00	School	1530	JB	JB	Institutional	Dakton HS		Closed Pipe	RCP	Circular	Single	15	15	Good	No			Ditch														No						Unlikely	Not Necessary				
STMN0562013802	Difficult Run	No	5/15/2015 0:00	School	930	CR, LA	LA	Institutional	South Lakes HS		Closed Pipe	RCP	Circular	Single	24	24	No Headwall	No																		Yes	Flow Line						Unlikely	Not Necessary		
STMN0583504804	Accotink Creek	No	5/26/2015 0:00	School	1132	EA, JB	EA	Institutional	Woodson HS		Closed Pipe	RCP	Circular	Single	18	18	Good	No			Ditch															No						Unlikely	Not Necessary			
STMN0584504757	Accotink Creek	No	5/26/2015 0:00	School	1240	EA, JB	EA	Institutional	Mantua ES		Closed Pipe	RCP	Circular	Single	21	21	Good	No			Woods															No						Unlikely	Not Necessary			
STMN0603432679	Cameron Run	No	5/26/2015 0:00	School	1325	EA, JB	EA	Institutional	Lacey ES		Closed Pipe	RCP	Circular	Single	54	54	Good	Yes	Moderate	Stream	17.5	8.6	291.0	0.02	0.1	0.05										No						Unlikely	Not Necessary			
STMN0614430913	Cameron Run	No	5/15/2015 0:00	School	1128	DW, JS	DW	Institutional	Glasgow MS	No access, US manhole dry	Closed Pipe	RCP	Circular	Single				No																	No						Unlikely	Not Necessary				
STMN0614430921	Cameron Run	No	5/15/2015 0:00	School	1140	DW, JS	DW	Institutional	Glasgow MS	No access, dry US manhole	Closed Pipe	RCP	Circular	Single				No																	No						Unlikely	Not Necessary				
STMN0614430933	Cameron Run	No	5/15/2015 0:00	School	1150	DW, JSD	DW	Institutional	Glasgow	No access, dry US manhole	Closed Pipe	RCP	Circular	Single				No																	No						Unlikely	Not Necessary				
STMN0642513625	Cub Run	No	5/26/2015 0:00	School	992	EA, JB	EA	Institutional	Bull Run ES		Closed Pipe	RCP	Circular	Single	10	10	Fair	No			Woods															No						Unlikely	Not Necessary			
STMN0642513909	Cub Run	No	5/26/2015 0:00	School	927	EA, JB	EA	Institutional	Bull Run ES		Closed Pipe	RCP	Circular	Single	24	24	Fair	No			Woods															No						Unlikely	Not Necessary			
STMN0662511733	Popes Head Creek	No	5/14/2015 0:00	School	850	CG, JW	CG	Institutional	Willow Springs ES		Closed Pipe	RCP	Circular	Single	12	12	No Headwall	No			Detention Basin																No						Unlikely	Not Necessary		
STMN0662511738	Popes Head Creek	No	5/14/2015 0:00	School	900	CG, JW	CG	Institutional	Willow Springs ES	Plugged with leaves, trash rack on riser structure needs cleaning	Closed Pipe	RCP	Circular	Single	12	12	No Headwall	No			Detention Basin																No						Unlikely	Not Necessary		
STMN0663058284	Johnny Moore Creek	No	5/14/2015 0:00	School	936	CG, JS	CG	Institutional	Liberty MS	Copper and SC in excedence but after looking around have come to the conclusion that it is groundwater seepage into pipe. Pipes coming from school are dry. Water appears in pipe right before dry pond.	Closed Pipe	RCP	Circular	Single	52	52	No Headwall	Yes	Slight	Woods	15.2	8.4	1233.1	1.12	0.12	0.3	0.09		Other	1 - Faint								Suds - Natural	1 - Few/Slight					Unlikely	Not Necessary	
STMN0712054721	Cameron Run	No	5/15/2015 0:00	School	1210	DW, JS	DW	Institutional	Poe MS		Closed Pipe	RCP	Circular	Single	24	24	Good	No			Woods														No						Unlikely	Not Necessary				
STMN071459104	Pohick Creek	No	5/26/2015 0:00	School	1017	EA, JB	EA	Institutional	Fairview ES		Closed Pipe	RCP	Circular	Single	20	20	No Headwall	No			Woods															No						Unlikely	Not Necessary			
STMN0771459331	P																																													

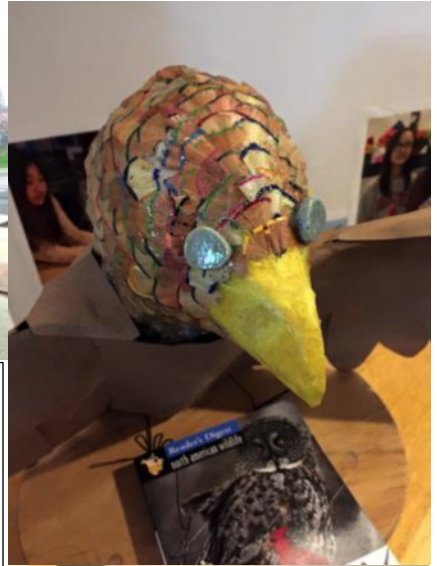
Recycling and Waste Reduction:

In an effort to creatively increase the amount of recycling in schools, FCPS ran a business case competition with Ernst and Young for high school teams. The teams designed a marketing plan to increase recycling and waste reduction. As part of this effort, a set of signs designating what is recyclable and what is trash were developed and distributed to all schools. The high school students then created a contest for schools to build their mascots out of recyclable materials. The mascots were displayed and judged at the Nova Outside/GMU School Environmental Action Showcase in April, 2015 where 705 attendees could see the display.

Further efforts to increase recycling and waste reduction include a recently implemented program for composting by which students weigh their cafeteria trash before recycling as a means for creating enriched soils. In addition, increasing numbers of schools are reducing waste streams by donating unopened food to area food banks. One elementary school donated on average 900 lbs. per month during the 2014-15 school year. These are some of the innovative steps that FCPS is taking to reduce waste.

Note: Flyer attached on the Mascot Challenge with photos of the Mascots.

RECYCLABLE MASCOT CHALLENGE 2015



In April 2015 students from 22 Fairfax County schools participated in the Recyclable Mascot Challenge. Students were asked to build their school mascot using at least seven different recycled materials. The goal of the Challenge was to teach students about what can be recycled and to get them thinking creatively about how materials can be repurposed



APPENDIX D

Stormwater Management Facilities Brought Online

FCPS SWM/BMP FACILITIES - FY15

Facility ID	Function	Maintained By	Date Installed	BMP Name	Practice Description	Total Acres Treated (ac)	Impervious Acres Treated (BMP) or Draining (SWM) (ac)	Pervious Acres Treated (BMP) or Draining (SWM) (ac)	Latitude	Longitude	HUC12	Inspect Date	Description	Facility Address	Facility City/State/Zip	Watershed
UG0213	SWM	PUBLIC	7/22/2014	UNDERGROUND DETENTION		0	0.67	0.11	38.86900528	-77.1539206			SEVEN CORNERS OFFICE BUILDING [ELEMENTARY SCHOOL AT BAILEY'S CROSSROADS]	6245 Leesburg Pi.	Falls Church, VA 22044	Four Mile Run
UG0214	SWM	PUBLIC	7/22/2014	UNDERGROUND DETENTION		0	1.8	0.49	38.86751986	-77.15422957			SEVEN CORNERS OFFICE BUILDING [ELEMENTARY SCHOOL AT BAILEY'S CROSSROADS]	6245 Leesburg Pi	Falls Church, VA 22044	Cameron Run
RF0015	BMP	PUBLIC	7/28/2014	REFORESTATION		0.2	0	0.2	38.78751853	-77.19643735			CRESTWOOD ELEMENTARY SCHOOL BUILDING ADDITION	6010 Hanover Ave.	Springfield, VA 22150	Accotink Creek
RF0016	BMP	PUBLIC	7/29/2014	REFORESTATION		0.42	0	0.42	38.78697894	-77.19706133			CRESTWOOD ELEMENTARY SCHOOL BUILDING ADDITION	6010 Hanover Ave.	Springfield, VA 22150	Accotink Creek
TF0250	BMP	PUBLIC	7/29/2014	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.44	0.21	0.23	38.78663738	-77.19469561			CRESTWOOD ELEMENTARY SCHOOL BUILDING ADDITION	6010 Hanover Ave.	Springfield, VA 22150	Accotink Creek
TF0251	BMP	PUBLIC	7/29/2014	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.28	0.15	0.13	38.78655666	-77.19520091			CRESTWOOD ELEMENTARY SCHOOL BUILDING ADDITION	6010 Hanover Ave.	Springfield, VA 22150	Accotink Creek
BR0480	BMP	PUBLIC	12/18/2014	BIORETENTION		0.76	0.35	0.41	38.85171484	-77.14476563			BAILEY'S ELEMENTARY SCHOOL ADDITION	6111 Knollwood Dr.	Falls Church, VA 22041	Cameron Run
BR0485	BMP	PUBLIC	4/10/2015	BIORETENTION		1.22	1	0.22	38.90520714	-77.21427938			GEORGE C. MARSHALL HIGH SCHOOL Bioretention 1	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
BR0486	BMP	PUBLIC	4/10/2015	BIORETENTION		0.86	0.75	0.11	38.90538759	-77.21488551			GEORGE C. MARSHALL HIGH SCHOOL Bioretention 2	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
BR0487	BMP	PUBLIC	4/10/2015	BIORETENTION		0.36	0.23	0.13	38.90536745	-77.21520744			GEORGE C. MARSHALL HIGH SCHOOL Bioretention 3	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
BR0488	BMP	PUBLIC	4/10/2015	BIORETENTION		0.15	0.15	0	38.90480922	-77.21191139			GEORGE C. MARSHALL HIGH SCHOOL Bioretention 4	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
CS0001	BMP	PUBLIC	4/10/2015	RAINWATER HARVESTING	Cistern System	16.32	10.22	6.1	38.90305182	-77.21407841			GEORGE C. MARSHALL HIGH SCHOOL Cistern System	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
PP0012	BMP	PUBLIC	4/10/2015	PERMEABLE PAVEMENT	Porous Asphalt	0.21	0.21	0	38.90725468	-77.21133462			GEORGE C. MARSHALL HIGH SCHOOL Pervious Pavement 1	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
PP0013	BMP	PUBLIC	4/10/2015	PERMEABLE PAVEMENT	Porous Asphalt	0.27	0.27	0	38.90703326	-77.21084345			GEORGE C. MARSHALL HIGH SCHOOL Pervious Pavement 2	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0274	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.27	0.25	0.02	38.90642599	-77.21048502			GEORGE C. MARSHALL HIGH SCHOOL Filterra 1	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0275	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.18	0.15	0.03	38.90482521	-77.21135995			GEORGE C. MARSHALL HIGH SCHOOL Filterra 2	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0276	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.07	0.052	0.018	38.90669201	-77.21055023			GEORGE C. MARSHALL HIGH SCHOOL Filterra 3	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0277	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.16	0.147	0.013	38.90538295	-77.21221793			GEORGE C. MARSHALL HIGH SCHOOL Filterra 4	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0278	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.25	0.11	0.14	38.9071613	-77.21273748			GEORGE C. MARSHALL HIGH SCHOOL Filterra 5	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0279	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.19	0.082	0.108	38.90737712	-77.21209003			GEORGE C. MARSHALL HIGH SCHOOL Filterra 6	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0280	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.2	0.18	0.02	38.90464966	-77.21203474			GEORGE C. MARSHALL HIGH SCHOOL Filterra 7	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0281	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.28	0.165	0.115	38.90665999	-77.21083796			GEORGE C. MARSHALL HIGH SCHOOL Filterra 8	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0282	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.15	0.15	0	38.90698218	-77.21083869			GEORGE C. MARSHALL HIGH SCHOOL Filterra 9	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0283	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.11	0.11	0	38.90694712	-77.21077626			GEORGE C. MARSHALL HIGH SCHOOL Filterra 10	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0284	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.31	0.31	0	38.90467937	-77.21142103			GEORGE C. MARSHALL HIGH SCHOOL Filterra 11	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TF0285	BMP	PUBLIC	4/13/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.28	0.28	0	38.904965	-77.21340886			GEORGE C. MARSHALL HIGH SCHOOL Filterra 12	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
TR1086	BMP	PUBLIC	4/13/2015	INFILTRATION PRACTICE	Infiltration Trench	0.35	0.32	0.03	38.90711998	-77.21138554			GEORGE C. MARSHALL HIGH SCHOOL Infiltration Trench	7731 Leesburg Pi.	Falls Church, VA 22043	Pimmit Run
PP0014	BMP	PUBLIC	4/15/2015	PERMEABLE PAVEMENT		0.22	0.2	0.02	38.87547336	-77.19042455			GRAHAM ROAD ELEMENTARY SCHOOL AT DEVONSHIRE	2831 Graham Rd.	Falls Church, VA 22042	Cameron Run
PP0015	BMP	PUBLIC	4/15/2015	PERMEABLE PAVEMENT		0.22	0.2	0.02	38.87531917	-77.19035984			GRAHAM ROAD ELEMENTARY SCHOOL AT DEVONSHIRE	2831 Graham Rd.	Falls Church, VA 22042	Cameron Run
PP0016	BMP	PUBLIC	4/15/2015	PERMEABLE PAVEMENT		0.22	0.2	0.02	38.87529007	-77.19060793			GRAHAM ROAD ELEMENTARY SCHOOL AT DEVONSHIRE	2831 Graham Rd.	Falls Church, VA 22042	Cameron Run
RF0021	BMP	Private	6/2/2015	REFORESTATION		1.15	0	1.15	38.73039542	-77.06212947			CARL SANDBURG MIDDLE SCHOOL RENOVATION	8428 Fort Hunt Rd.	Alexandria, VA 22308	Little Hunting Creek
TF0308	BMP	Private	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.4	0.39	0.01	38.72733521	-77.06054953			CARL SANDBURG MIDDLE SCHOOL RENOVATION	8428 Fort Hunt Rd.	Alexandria, VA 22308	Little Hunting Creek
TF0309	BMP	Private	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.11	0.11	0	38.72704909	-77.0602408			CARL SANDBURG MIDDLE SCHOOL RENOVATION	8428 Fort Hunt Rd.	Alexandria, VA 22308	Little Hunting Creek
TF0310	BMP	Private	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.11	0.11	0	38.72719711	-77.06069744			CARL SANDBURG MIDDLE SCHOOL RENOVATION	8428 Fort Hunt Rd.	Alexandria, VA 22308	Little Hunting Creek
RF0017	BMP	Public	6/2/2015	REFORESTATION		0.19	0	0.19	38.78521597	-77.29866808			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22042	Pohick Creek
RF0018	BMP	Public	6/2/2015	REFORESTATION		0.25	0	0.25	38.78496866	-77.29911653			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22015	Pohick Creek
RF0019	BMP	Public	6/2/2015	REFORESTATION		0.14	0	0.14	38.78501176	-77.29842977			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22015	Pohick Creek
RF0020	BMP	Public	6/2/2015	REFORESTATION		0.16	0	0.16	38.78542994	-77.29950998			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22042	Pohick Creek
TF0294	BMP	Public	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.36	0.27	0.09	38.78573972	-77.29662914			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22015	Pohick Creek
TF0295	BMP	Public	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.38	0.285	0.095	38.78565989	-77.29653364			TERRA CENTRE ELEMENTARY SCHOOL	3000 Burke Centre Pkwy.	Burke, VA 22015	Pohick Creek
TF0296	BMP	Public	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.43	0.36	0.07	38.78570566	-77.29690244			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22015	Pohick Creek
TF0297	BMP	Public	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.4	0.33	0.07	38.78474676	-77.29746416			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22042	Pohick Creek
TF0298	BMP	Public	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.17	0.14	0.03	38.78475377	-77.29723576			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22042	Pohick Creek
TF0299	BMP	Public	6/2/2015	MANUFACTURED BMP (PROPRIETARY)	Filterra	0.32	0.3	0.02	38.78584546	-77.29706975			TERRA CENTRE ELEMENTARY SCHOOL	6000 Burke Centre Pkwy.	Burke, VA 22042	Pohick Creek

APPENDIX E

Nutrient Management Plan Locations and Planning Status

Bus Driver Training Poster

Custodial "Notice" No Dumping Poster

Construction and Illicit Discharge Training Attendance Sheet

Herbicide/Pesticide Application Contract Language

Friend of the Field Agreement Information

Pollution Prevention Training Sign-in Sheets

FCPS Elementary School Fields Requiring NMPs

School Name	Acres	Address	Latitude, Longitude	NMP Complete
ARMSTRONG ES	1.24	11900 Lake Newport Rd, Reston, VA 20194	38.980791, -77.358368	
BULL RUN ES	1.54	15301 Lee Highway, Centreville, VA, 20121	38.828753, -77.475881	Y
BUSH HILL ES	1.13	5927 Westchester St, Alexandria, VA, 22310	38.791080, -77.124344	
CANTERBURY WOODS ES	1.22	4910 Willet Dr, Annandale, VA, 22003	38.821203, -77.249646	Y
CENTRE RIDGE ES	1.47	14400 New Braddock Rd, Centreville, VA, 20121	38.826090, -77.446220	Y
CHERRY RUN ES	2.06	9732 Ironmaster Dr, Burke, VA, 22015	38.768520, -77.283973	Y
CLEARVIEW ES	1.71	12635 Builders Rd, Herndon, VA 20170	38.983955, -77.390836	Y
CLERMONT ES	1.54	5720 Clermont Dr, Alexandria, VA, 22310	38.794674, -77.111593	
COATES ES	1.14	2480 River Birch Rd, Herndon, VA 20171	38.952392, -77.419166	Y
COLIN L. POWELL ES	2.60	13340 Leland Rd, Centreville, VA 20120	38.846395, -77.407707	Y
COLVIN RUN ES	2.48	1400 Trap Rd, Vienna, VA, 22182	38.946892, -77.264795	Y
CROSSFIELD ES	1.16	2791 Fox Mill Rd, Herndon, VA, 20171	38.915304, -77.361832	Y
CUB RUN ES	3.01	5301 Sully Station Dr, Centreville, VA, 20120	38.865328, -77.458415	Y
DANIELS RUN ES	1.44	3705 Old Lee Hwy, Fairfax, VA, 22030	38.852439, -77.295831	
DEER PARK ES	1.44	15109 Carlbern Dr, Centreville, VA, 20120	38.855946, -77.470882	Y
FAIRHILL ES	1.23	3001 Chichester Ln, Fairfax, VA, 22031	38.869994, -77.247915	
FAIRVIEW ES	1.76	5815 Ox Rd, Fairfax Station, VA, 22039	38.797886, -77.324234	
FORT BELVOIR ES	3.59	5970 Meeres Road, Fort Belvoir, VA, 22060	38.720956, -77.143018	
HAYFIELD ES	2.27	7633 Telegraph Rd, Alexandria, VA, 22315	38.749348, -77.140214	
HERNDON ES	2.23	630 Dranesville Rd, Herndon, VA, 20170	38.976017, -77.377358	Y
LANE ES	2.42	7137 Beulah St, Alexandria, VA, 22315	38.760751, -77.156943	
LITTLE RUN ES	2.04	4511 Olley Ln, Fairfax, VA, 22032	38.825849, -77.266523	Y
MARSHALL ROAD ES	1.22	730 Marshall Rd SW, Vienna, VA, 22180	38.882179, -77.265864	Y
MCNAIR ES	3.33	2499 Thomas Jefferson Drive, Herndon, VA, 20171	38.945611, -77.406072	Y
NORTH SPRINGFIELD ES	1.46	7602 Heming Ct, Springfield, VA, 22151	38.802162, -77.207550	Y
OLDE CREEK ES	1.39	9524 Old Creek Dr, Fairfax, VA, 22032	38.831522, -77.276667	Y
PROVIDENCE ES	3.69	3616 Jermantown Rd, Fairfax, VA, 22030	38.863777, -77.326014	
RAVENSWORTH ES	1.08	5411 Nutting Dr, Springfield, VA, 22151	38.803413, -77.223121	
SHREVEWOOD ES	2.04	7525 Shreve Rd, Falls Church, VA, 22043	38.889096, -77.206882	
SPRING HILL ES	1.04	8201 Lewinsville Rd, McLean, VA, 22102	38.939247, -77.228487	
SUNRISE VALLEY ES	1.46	10824 Cross School Rd, Reston, VA, 20191	38.940146, -77.320003	
UNION MILL ES	2.24	13611 Springstone Dr, Clifton, VA, 20124	38.820715, -77.417606	
VIENNA ES	2.64	128 Center St S, Vienna, VA, 22180	38.900486, -77.261722	
WAPLES MILL ES	2.39	11509 Waples Mill Rd, Oakton, VA, 22124	38.876543, -77.344809	Y
WESTGATE ES	2.12	7500 Magarity Rd, Falls Church, VA, 22043	38.919784, -77.205298	
WILLOW SPRINGS ES	2.39	5400 Willow Springs School Rd, Fairfax, VA, 22030	38.831245, -77.379218	Y
WOLFTRAP ES	1.62	1903 Beulah Rd, Vienna, VA, 22182	38.917867, -77.265898	Y
Total Acres	70.84			37.91

FCPS Middle School Fields Requiring NMPs

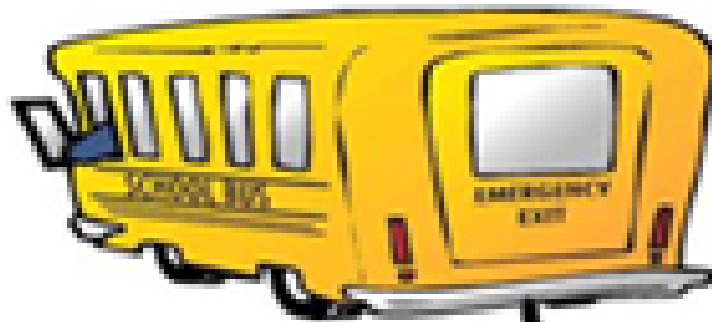
School Name	Acres	Address	Latitude, Longitude	NMPs Completed
CARSON MS	1.28	13618 McLearen Rd, Herndon, VA, 20171	38.927434, -77.419943	
FRANKLIN MS	7.61	3300 Lees Corner Rd, Chantilly, VA, 20151	38.907478, -77.420228	Y
GLASGOW MS	2.85	4101 Fairfax Pkwy, Alexandria, VA, 22312	38.838705, -77.140794	
KILMER MS	2.98	8100 Wolftrap Rd, Vienna, VA, 22182	38.903214, -77.225053	Y
LANIER MS	4.13	3801 Jermantown Road, Fairfax, VA, 22030	38.859585, -77.328165	Y
LUTHER JACKSON MS	3.19	3020 Gallows Rd, Fairfax, VA 22042	38.868676, -77.229340	
SANDBURG MS	2.21	8428 Fort Hunt Rd, Alexandria, VA, 22308	38.728731, -77.061886	
SOUTH COUNTY MS	4.45	8700 Laurel Crest Drive, Lorton, VA, 22079	38.721763, -77.245648	Y
STONE MS	2.15	5500 Sully Park Dr, Centreville, VA, 20120	38.858464, -77.453471	Y
THOREAU MS	5.29	2505 Cedar Ln, Vienna, VA, 22180	38.888782, -77.239657	
Total Acres	36.14			21.32

FCPS High School and Secondary School Fields Requiring NMPs

School Name	Acres	Address	Latitude, Longitude	NMPs Completed
ANNANDALE HS	5.46	4700 Medford Dr, Annandale, VA, 22003	38.822697, -77.209301	
CENTREVILLE HS	2.63	6001 Union Mill Rd, Clifton, VA, 20124	38.825507, -77.410673	
CHANTILLY HS	2.46	4201 Stringfellow Rd, Chantilly, VA, 20151	38.880602, -77.406314	
EDISON HS	4.51	5801 Franconia Rd, Alexandria, VA, 22310	38.781726, -77.133430	
FAIRFAX HS	4.60	3501 Rebel Run, Fairfax, VA, 22030	38.860490, -77.287236	
FALLS CHURCH HS	5.60	7521 Jaguar Trail, Falls Church, VA, 22042	38.862011, -77.207378	
HERNDON HS	4.70	700 Bennett St, Herndon, VA, 20170	38.985729, -77.376081	
JEFFERSON TECH HS	8.13	6560 Braddock Rd, Alexandria, VA, 22312	38.820133, -77.168348	
LANGLEY HS	5.57	6520 Georgetown Pike, McLean, VA, 22101	38.951081, -77.165598	
LEE HS	4.77	6540 Franconia Rd, Springfield, VA, 22150	38.780292, -77.169928	
MADISON HS	3.25	2500 James Madison Dr, Vienna, VA, 22181	38.896861, -77.281544	
MARSHALL HS	5.91	7731 Leesburg Pike, Falls Church, VA, 22043	38.905178, -77.213104	
MCLEAN HS	5.67	1633 Davidson Rd, McLean, VA, 22101	38.923581, -77.185195	
MOUNT VERNON HS	4.95	8515 Old Mt Vernon Rd, Alexandria, VA, 22309	38.728649, -77.092499	
OAKTON HS*	8.15	2900 Sutton Rd, Vienna, VA, 22181	38.877641, -77.282227	
SOUTH COUNTY HS	13.99	8501 Silverbrook Road, Lorton, VA, 22079	38.718069, -77.239373	
SOUTH LAKES HS	3.14	11400 South Lakes Dr, Reston, VA, 20191	38.933737, -77.338899	
STUART HS	3.91	3301 Peace Valley Ln, Falls Church, VA, 22044	38.857021, -77.149575	
WEST POTOMAC HS	2.68	6500 Quander Rd, Alexandria, VA, 22307	38.774486, -77.072455	
WEST SPRINGFIELD HS	5.66	6100 Rolling Rd, Springfield, VA, 22152	38.786319, -77.241336	
WESTFIELD HS	8.77	4700 Stonecroft Blvd, Chantilly, VA, 20151	38.886031, -77.463579	
WOODSON HS*	9.04	9525 Main St, Fairfax, VA, 22031	38.841603, -77.273992	
Subtotal Acres	123.55			
Secondary School				
HAYFIELD SEC	6.92	7630 Telegraph Rd, Alexandria, VA 22315	38.750728, -77.143059	
LAKE BRADDOCK SEC	5.58	9200 Burke Lake Rd, Burke, VA, 22015	38.803795, -77.265792	Y
ROBINSON SEC	7.81	5035 Sideburn Rd, Fairfax, VA, 22032	38.817138, -77.304902	
Subtotal Acres	20.31			
Total Acres	143.86			5.58

FCPS Other Fields Requiring NMPs

Fields	Acres	Address	Latitude, Longitude	NMPs Completed
ALT-HS				
ALAN LEIS INSTRUCTIONAL CENTER	1.20	7423 Camp Alger Rd, Falls Church, VA 22042	38.857106, -77.202409	Y
DUNN LORING CENTER	1.70	2334 Gallows Rd, Dunn Loring, VA 22027	38.895934, -77.225890	Y
BURKE CENTER	1.86	9645 Burke Lake Rd, Burke, VA, 22015	38.783974, -77.277931	Y
Total Acres	4.76			4.76

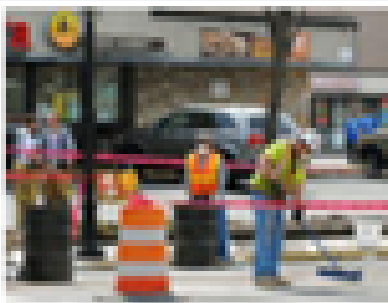


Leaking Engine Fluids Are HAZ-MAT

Got A Leak?

**Do Not Continue to Drive and Leak More
Hazardous Materials Along the Roadway.**

- **STOP** in a Safe Place
- **Turn the Engine Off** to Stop the Flow
- **Call for Assistance.**



- Use Good Judgment.
- We don't want to pollute the environment.
- Spills require clean-up and we do not want bigger or unnecessary bills.

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!

Bote 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 Administration

Section Attendance

#: FT-44444 A

Title: MS4 Education for Construction Sites and Spill Recognition and Reporting - On demand

Course Value: 0.5 Hours

Section Title: (On Demand) MS4 education for Construction Sites and Spill Recognition and Reporting

Instructor: Moran, Holly

Facility:

Start Time: 10:00 AM

Start Date: 05/29/2015

End Date: 06/30/2018

Current Date: Friday May 29, 2015

#	Name	Employee Id	Position	District / School	10:00 AM - 11:00 AM
1.	Asbury, Ronnie	207550	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1	
2.	Bayne, Patrick	217570	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1	
3.	Bertelli, Carlo	204150	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1	

4.	Campbell, David	137564	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
5.	Carros, Philip	147357	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
6.	Cooper, Woodrow	209513	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
7.	Cross, Russell	123769	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
8.	Dols, Paul	150658	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
9.	Duggan, Fleur	144884	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1

10.	Fletcher, James	203623	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
11.	Garcia, Jose	216780	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
12.	Gore, John	141733	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
13.	Herrick, Russell	111026	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
14.	Hilty, Mark	116991	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
15.	Holmes, Timothy	171789	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1

16.	Howard, Dennis	144918	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
17.	Jenkins, Dennis	135508	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
18.	Krzywicki, Joseph	194169	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
19.	Liverman, Paul	173461	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
20.	Long, Michael	141732	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
21.	MacBeth, Joel	207084	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1

22.	Martin, Timothy	205555	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
23.	McClanahan, Jack	181992	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
24.	Moran, Holly	209901	Support	Facilities & Transprtatn Srvcs, Facilities Mgmt Non-Region, Sideburn Support Center
25.	Morgan, Justin	214279	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
26.	Nothwehr, James	100513	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1
27.	Ours, Thomas	109647	Support	Facilities & Transprtatn Srvcs, Design & Construction Non-Region, Gatehouse Administration Ctr 1

28.	Owens, Raymond	204904	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
29.	Pirtle, R	144911	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
30.	Reynolds, Timothy	183094	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
31.	Rinaldi, Joseph	186853	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
32.	Rusert, John	198411	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
33.	Santmyer, Vincent	200998	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1

34.	Scott, Paul	145706	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
35.	St. John, David	181887	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
36.	Williams, Gregory	175281	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
37.	Wood, Carter	153830	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
38.	Woodson, Willie	209603	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1
39.	Wright, Matthew	196493	Support	Facilities & Transprtatn Srvc, Design & Construction Non-Region, Gatehouse Administration Ctr 1

40. Wyne, James 175202

Support

Facilities &
Transportation Svcs,
Design &
Construction
Non-Region,
Gatehouse
Administration Ctr
1



NOTICE OF AWARD

Department of Financial Services

**FAIRFAX COUNTY
PUBLIC SCHOOLS**

Office of Procurement Services
8115 Gatehouse Road, Suite 4400
Falls Church, Virginia 22042-1203
Telephone: 571-423-3550

AUG 11 2014

CONTRACT TITLE: Herbicide/Pesticide Application
CONTRACT NUMBER: 4400005183
NIGP CODE: 91059
CONTRACT PERIOD: Date of Award through December 31, 2016

VENDOR: Premier Sports Fields, LLC
10241 Fayetteville Rd.
Bealeton, VA 22712
SUPPLIER ID: 1000006787

Contact: Craig Koster
Telephone: (703) 898-3626
E-mail: ckoster@premiersportsfields.com

DELIVERY: FOB Destination

TERMS: Net 30 Days

FOB: Destination

PRICES: per Arlington County Virginia Contract MA 634-14 (Attachment A).

OPS CONTACT: Patricia S. Wilkerson, Contract Administrator
Telephone: 571-423-3598
Fax: 571-423-3587
E-mail: pswilkerson@fcps.edu

ORDERING INSTRUCTIONS:

Any school/department may enter into FOCUS (Fairfax County Unified System) a shopping cart indicating the item/service required, the quantity, the payment terms and the delivery date. The shopping cart must include the contract number.

Requests exceeding the small purchase threshold will route to OPS and a purchase order will be executed.

Patricia S. Wilkerson
Contract Administrator

DISTRIBUTION:
FCPS – Facilities and Transportation – Chuck Compton
FCPS – Procurement Services – Contract file

*BAK
8/18/14*

ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
2100 CLARENDON BOULEVARD, SUITE 500
ARLINGTON, VIRGINIA 22201

NOTICE OF AWARD OF CONTRACT

TO:	DATE ISSUED:	<u>June 27, 2014</u>
PREMIER SPORTS FIELDS, LLC	CURRENT CONTRACT NO:	<u>634-14</u>
PO BOX 737	CONTRACT TITLE:	<u>DES -</u> <u>HERBICIDE/PESTICIDE</u>
REMINGTON, VA 22734		

THIS IS A NOTICE OF AWARD OF CONTRACT AND NOT AN ORDER. NO WORK IS AUTHORIZED UNTIL THE VENDOR RECEIVES A VALID COUNTY PURCHASE ORDER ENCUMBERING CONTRACT FUNDS.

Your firm is awarded the above referenced contract. The contract term covered by this Notice of Award is effective JULY 1, 2014 and expires on OCTOBER 31, 2019.

The contract documents consist of the terms, conditions, and specifications of Invitation to Bid No. 634-14 and the bid of the Contractor, incorporated herein by reference.

CONTRACT PRICING:

1) REFER TO CONTRACTOR'S BID FORM

ATTACHMENTS:

BID FORM

EMPLOYEES NOT TO BENEFIT:

NO COUNTY EMPLOYEE SHALL RECEIVE ANY SHARE OR BENEFIT OF THIS CONTRACT NOT AVAILABLE TO THE GENERAL PUBLIC.

VENDOR CONTACT: <u>Craig Koster</u>	TELEPHONE NO.: <u>703-898-3626</u>
EMAIL: <u>ckoster@premiersportsfields.com</u>	
COUNTY CONTACT: <u>Helena Gilbert</u>	TELEPHONE NO.: <u>703-228-7981</u>
EMAIL: <u>hgilbe@arlingtonva.us</u>	

CONTRACT AUTHORIZATION

DISTRIBUTION

Krystyna Hepler
Krystyna Hepler, CPPB
Procurement Officer

6/27/2014 BID FOLDER: 1
Date

BID FORM, PAGE 2 OF 10

PROVIDING THE APPLICATION OF HERBICIDE/PESTICIDE, WEED CONTROL AND GRANULAR FERTILIZER

1. CREW AND EQUIPMENT COSTS: COSTS SHALL INCLUDE ALL EXPENSES OF PROVIDING THE SERVICE DESCRIBED IN THE SPECIFICATION. (LABOR, EQUIPMENT, SUPERVISION, ADMINISTRATIVE COSTS AND ALL THINGS NECESSARY TO PROVIDE THE SERVICES REQUIRED)

A. FULL CREW AND EQUIPMENT FOR:

EIGHT HOUR WORK DAY	\$	960 ⁻	PER DAY
TEN HOUR WORK DAY	\$	1200 ⁻	PER DAY
40 HOUR WORK WEEK (COMBINING AND PRO-RATING, IF REQUIRED, EITHER OF THE ABOVE)	\$	4,600 ⁻	PER 40 HOUR WORK WEEK

B. REDUCED CREW AND EQUIPMENT FOR: *Cushman Sprayer/Toro or 45 H.P. Tractor w/Vic Spreader For Granular A*

EIGHT HOUR WORK DAY	\$	480 ⁻	PER DAY
TEN HOUR WORK DAY	\$	600 ⁻	PER DAY
40 HOUR WORK WEEK (COMBINING AND PRO-RATING, IF REQUIRED, EITHER OF THE ABOVE)	\$	2,400 ⁻	PER 40 HOUR WORK WEEK

C. BACKPACK CREW FOR (MAY BE AWARDED SEPARATELY)

EIGHT HOUR WORK DAY	\$	640 ⁻	PER DAY
TEN HOUR WORK DAY	\$	800 ⁻	PER DAY
40 HOUR WORK WEEK (COMBINING AND PRO-RATING, IF REQUIRED, EITHER OF THE ABOVE)	\$	4,000 ⁻	PER 40 HOUR WORK WEEK

BIDDER NAME: Premier Sports Fields LLC

BID FORM PAGE 3 OF 10

2. CONTRACTOR CHARGE FOR CHEMICALS (HERBICIDES, WETTING AGENTS AND SPREADER-STICKERS) PROPOSED TO BE USED. PRICES SHALL BE FIRM FOR CONTRACT DURATION.

A. REQUIRED HERBICIDES AND CHEMICALS

CHEMICAL NAME	RATE PER GALLAON/LBS
ROUNDUP PRO	\$ 12 ¹⁵ per Pound
PRAMITOL	\$ 55 ⁻ per gal.
RODEO	\$ 72 ⁻ per gal.
WETTING AGENTS	\$ 47 ⁻ per gal.
SPREADER-STICKERS	\$ 47 per gal.
TRIMEC 959	\$ 32 ⁸⁵ per gal.
BARRICADE	\$ 53 ¹⁰ per pound.
24 - 18 - 12 (GRANULAR)	\$ 25 ²⁰ / BAG / 50 LBS
SULFUR COATED UREA (GRANULAR)	\$ 25 ²⁰ / BAG / 50 LBS

B. OTHER HERBICIDES AND CHEMICALS USED BY THE CONTRACTOR AND PROPOSED FOR THE COUNTY'S CONSIDERATION. THE COUNTY RESERVES THE RIGHT TO REQUIRE USE OF THE ABOVE SPECIFIED CHEMICALS IF THE FOLLOWING ARE UNACCEPTABLE TO THE COUNTY. THE BIDDER IS ADVISED THAT THE USE OF PARAQUAT IN THE COUNTY IS PROHIBITED.

CHEMICAL NAME	RATE PER GALLAON/LBS
Merit Insecticide	\$ 144 PER Pound
ARMADA Fungicide	\$ 71 PER Pound
Pro Sedge Nutsedge Control	\$ 1,045 ⁻ PER Pound 1 lb. Treats 121
Revolver Bermuda Weed control	\$ 1152 ⁻ PER Gallon 1 gal Treats 7.51
Eject New Seeding Post-Emerg. Herbicide	\$ 66 PER pound

BIDDER NAME: Premier Sports Field LLC

BID FORM, PAGE 4 OF 10

4. ATHLETIC FIELDS - Nutrient Management Plan

Contractors cost for providing Nutrient Management Plan. Cost shall include all expenses of providing the service described in the specifications, (labor, equipment, Supervision, Administrative costs and all thing necessary to provide the service required) Prices shall be firm for the contract duration.

<u>NAME OF FIELD</u>	<u>ACREAGE</u>	<u>COST</u>
<u>RECTANGULAR FIELDS</u>		
Bluemont Junction	1.11	\$ 250 ⁻
Eads St. Park	1	\$ 100 ⁻
Gunston Park #3	1.29	\$ 250 ⁻
H. B. Woodlawn School	1.37	\$ 250 ⁻
Kenmore School	2.01	\$ 250 ⁻
Swanson School	1.02	\$ 250 ⁻
Thomas Jefferson School	1.33	\$ 250 ⁻
Virgin Highlands #2	1.19	\$ 250 ⁻
Williamsburg School #1	5.72	\$ 400 ⁻
<u>DIAMOND FIELDS</u>		
Barcroft Park #1, 2, 3 & 4	2.95	\$ 400 ⁻
Carver	1.46	\$ 250 ⁻
Greenbrier	2.4	\$ 200 ⁻
Gunston #1	1.41	\$ 250 ⁻
Jamestown School (back)	1.32	\$ 250 ⁻
Jamestown School (front)	1.08	\$ 250 ⁻
Jennie Dean Park #1 & 2	1.69	\$ 250 ⁻
Madison Manor Park	2.42	\$ 250 ⁻
Quincy Park #1	1.85	\$ 100 ⁻
Quincy Park #3	1.14	\$ 100 ⁻
Virginia Highlands #3	1.24	\$ 125 ⁻
Virginia Highlands #4	1.15	\$ 125 ⁻
Washington Lee School	1.79	\$ 250 ⁻
Athletic Fields- Nutrient Management Plan TOTAL		\$ 5,050 ⁻

BIDDER NAME: Premier Sports Fields LLC

ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
2100 CLARENDON BOULEVARD, SUITE 500
ARLINGTON, VA 22201
(703) 228-3410

INVITATION TO BID NO. 634-14

SEALED BIDS WILL BE RECEIVED IN HAND IN THE OFFICE OF THE BID CLERK, SUITE 511, 2100 CLARENDON BOULEVARD, ARLINGTON, VIRGINIA 22201, UNTIL 2:30 P.M. ON THE 19TH DAY OF JUNE, 2014 FOR:

APPLICATION OF HERBICIDES/PESTICIDE TO SIDEWALKS, CURB AND GUTTER MEDIANS, GUARDRAILS AND OTHER AREAS OF THE COUNTY ROADWAYS, AND APPLYING WEED CONTROL AND GRANULAR FERTILIZERS FOR A FIVE YEAR PERIOD.

At the time, date and place stated above, bids will be publicly opened.

NOTICE: ANY BIDDER ORGANIZED AS A STOCK OR NONSTOCK CORPORATION, LIMITED LIABILITY COMPANY, BUSINESS TRUST, OR LIMITED PARTNERSHIP OR REGISTERED AS A LIMITED LIABILITY PARTNERSHIP MUST BE AUTHORIZED TO TRANSACT BUSINESS IN THE COMMONWEALTH OF VIRGINIA PRIOR TO SUBMITTING A BID (REFER TO AUTHORITY TO TRANSACT BUSINESS SECTION IN THE SOLICITATION FOR FURTHER INFORMATION)

Arlington County reserves the right to reject any and all bids, cancel this solicitation, and to waive any informalities or irregularities in procedure.

Arlington County, Virginia
Office of the Purchasing Agent

Angela Gaskins
Buyer
agaskins@arlingtonva.us

TABLE OF CONTENTS

I.	INSTRUCTIONS TO BIDDERS	3
II.	SCOPE OF SERVICES	12
III.	CONTRACT TERMS AND CONDITIONS	18
IV.	ATTACHMENTS AND FORMS	37
	BID FORM.....	38
	INSURANCE CHECKLIST	
	LIVING WAGE FORMS	

I. INSTRUCTIONS TO BIDDERS

1. ADDITIONAL INFORMATION

All questions relating to this solicitation shall be submitted in writing via email to Angela Gaskins in the Office of the Purchasing Agent, at agaskins@arlingtonva.us. For a question to be considered, the subject line of the email must state the following: **ITB No. 634-14 Questions**. Questions should be succinct and must include the submitter's name, title, company name, company address, and telephone number. Prior to the award of a contract resulting from this solicitation, bidders are prohibited from contacting County staff, other than the Office of the Purchasing Agent.

NO QUESTIONS WILL BE CONSIDERED IF THEY ARE SUBMITTED AFTER JUNE 12, 2014 AT 5:00 PM. ONLY QUESTIONS RELATED TO THE ANSWERS PROVIDED IN AMENDMENT 1 WILL BE ADDRESSED IN AMENDMENT 2, IF REQUIRED.

If any questions or responses require revisions to the solicitation as originally published, such revisions will be by formal amendment only. Bidders are cautioned that any written or oral representations made by any County representative or other person that appear to change materially any portion of the solicitation shall not be relied upon unless subsequently ratified by a written amendment to this solicitation issued by the Office of the Purchasing Agent.

2. COMPETITION INTENDED

It is the County's intent that this solicitation promotes competition. It shall be the bidder's responsibility to advise Arlington County if any language, requirements or specifications restrict or limit the purchase to a single source. Such notification must be received by the Arlington County Purchasing Agent not later than fifteen (15) calendar days prior to the date and time set for bid opening. A review of such notifications will be made and the bidder notified of the results of the review.

3. BID FORM SUBMISSION

The required Bid Form is provided in the solicitation. One (1) fully-completed Bid Form with an original longhand signature, and a photocopy of the signed original (two (2) copies total), shall be submitted by hand, in a sealed envelope or package, to the Office of the Bid Clerk, Suite 511, 2100 Clarendon Boulevard, Arlington, Virginia, 22201, no later than the date and time deadline specified in the Invitation to Bid above. Timely submission is solely the responsibility of the bidder. Bid Forms received after the specified date and time will be rejected. The exterior of the envelope or package shall indicate the name of the bidder, the scheduled bid opening date and time, and the number of the Invitation To Bid. Bids submitted by facsimile or electronically will not be accepted.

A bidder's failure to submit a bid with a fully-completed Bid Form, using the Bid Form provided in this solicitation, shall be cause for rejection of that bidder's bid. A bid will be rejected if its corresponding Bid Form is not signed in the designated space by a person authorized to legally bind the bidder.

Modification of or additions to the Bid Form may be cause for rejection of the bid; however, Arlington County reserves the right to decide, on a case by case basis, in its sole discretion, whether or not to reject such a bid as

nonresponsive. As a precondition to bid acceptance, Arlington County may, in its sole discretion, request that the bidder withdraw or modify any such modifications or additions which do not affect quality, quantity, price, or delivery. Bids and all documents related to this solicitation submitted to Arlington County by a bidder or a prospective bidder shall, upon receipt by Arlington County, become the property of the County.

4. BIDDER CERTIFICATION

Submission of a signed Bid Form is certification by the respective bidder that it is registered with the Virginia State Corporation Commission, if applicable, it is the legal entity authorized to enter into an agreement with the County, and that it will accept any award made to it as a result of the submission.

5. EXCEPTIONS

Bidders taking exception to any part or section or term of this solicitation, including, by way of illustration and not limitation, the Scope of Services, the Special Conditions, and any attachments or references hereto or thereto, shall indicate such exceptions on the Bid Form. Failure to indicate any exceptions shall be interpreted as the bidder's intent to fully comply with the solicitation as written. However, conditional or qualified bids with such exceptions, unless specifically allowed in this solicitation, are subject to rejection in whole or in part as nonresponsive.

6. NONCONFORMING TERMS AND CONDITIONS

If a bidder submits with its bid alternate terms and conditions that do not conform to the terms and conditions in this solicitation, the bid will be subject to rejection for unresponsiveness. Arlington County reserves the right to permit the bidder to withdraw nonconforming terms and conditions from its bid prior to a determination by the County of unresponsiveness as a result of the submission of nonconforming terms and conditions.

7. ERRORS IN EXTENSION

Where the unit price and the extension price are at variance, the unit price will prevail.

8. DISCOUNTS

Discounts contingent on payment of invoices by Arlington County within a stipulated period of time will be accepted as a component of a bid, but will not be considered by Arlington County when evaluating bid prices or when making an award.

9. EXPENSES INCURRED IN PREPARING BID

Arlington County accepts no responsibility for any expense incurred by any bidder in the preparation and presentation of a bid. All expenses related to a bid are the sole responsibility of the bidder.

10. BIDDER INVESTIGATIONS

Before submitting a bid, each bidder must make all investigations and examinations necessary to ascertain all conditions and requirements affecting the full performance of the contract and to verify any representations made by Arlington County that the bidder will rely upon. No pleas of ignorance of such conditions and requirements resulting from failure to make such investigations and examinations will relieve the successful bidder from its obligation to comply in every detail with all provisions and requirements of the contract documents or will be accepted as a basis for any claim whatsoever for any monetary consideration on the part of the successful bidder.

11. INCOMPLETE DOCUMENTS

Each bidder is responsible for having determined the accuracy and/or completeness of the solicitation documents upon which it relied in making its bid, and has an affirmative obligation to notify the Arlington County Purchasing Agent immediately upon discovery of an apparent or suspected inaccuracy, error in, or omission of any pages, drawings, sections, or addenda whose omission from the documents was apparent from a reference or page numbering or other indication in the solicitation documents.

If a potential bidder downloaded an electronic version of the solicitation documents, that potential bidder is responsible for determining the accuracy and/or completeness of the electronic documents.

If the successful bidder proceeds with any activity that may be affected by an inaccuracy, error in, or omission in the solicitation documents of which it is aware but has not notified the Arlington County Purchasing Agent, the bidder hereby agrees to perform any activity described in the missing or incomplete documents at bidder's sole expense and at no additional cost to Arlington County.

12. QUALIFICATION OF BIDDERS

Each bidder may be required, before the award of contract, to show to the complete satisfaction of the Purchasing Agent that it has the necessary facilities, ability, and financial resources to comply with the contract and furnish the service, material or goods specified herein in a satisfactory manner. Each bidder may also be required to provide past history and references which will enable the Purchasing Agent to be satisfied as to the bidder's qualifications. Failure to qualify according to the foregoing requirements will result in bid rejection by Arlington County.

13. DEBARMENT STATUS

The bidder shall indicate in the space provided on the Bid Form, whether or not it, or any of its principals, is/are currently debarred from submitting bids to Arlington County, Virginia, or any other state or political subdivision, and whether or not it is an agent of any person or entity that is currently debarred from submitting bids to Arlington County, Virginia, or any other state or political subdivision. An affirmative response may be considered grounds for rejection of the bid.

14. ALTERNATE BID

Bidders who have other items they wish to offer in lieu of, or in addition to, what is required by this solicitation shall submit a separate bid clearly marked "ALTERNATE BID". Alternate bids will be automatically deemed

nonresponsive and will not be considered for award. Such bids will, however, be examined prior to awarding the contract contemplated herein and may result in either cancellation of all bids in order to permit rewriting of the solicitation to include the alternate item in a rebid or the alternate item may be considered for future requirements.

15. INFORMALITIES

Arlington County reserves the right to waive minor defects or variations from the exact requirements of the solicitation in a bid insofar as those defects or variations do not affect the price, quality, quantity, or delivery schedule of the services being procured. If insufficient information is submitted for Arlington County to properly evaluate the bid by a bidder; Arlington County reserves the right to require such additional information as it may deem necessary after the bid opening time and date, provided that the information requested does not change the price, quality, quantity, or delivery schedule for the services being procured.

16. ARLINGTON COUNTY BUSINESS LICENSES

The successful bidder must comply with the provisions of Chapter 11 ("Licenses") of the Arlington County Code, if applicable. For information on the provisions of that Chapter and its applicability to this solicitation, contact the Arlington County Business License Division, Office of the Commissioner of the Revenue, 2100 Clarendon Blvd., Suite 200, Arlington, Virginia, 22201, telephone number (703) 228-3060.

17. AUTHORITY TO TRANSACT BUSINESS

Any bidder organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership shall be authorized to transact business in the Commonwealth as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the Code of Virginia, or as otherwise required by law. The proper full and legal name of the firm or entity and the identification number issued to the bidder by the State Corporation Commission must be written in the space provided on the Bid Form. Any bidder that is not required to be authorized to transact business in Virginia shall include in its bid a statement describing why the bidder is not required to be so authorized. The County may require a firm to provide documentation prior to award which: 1) clearly identifies the complete name and legal form of the firm or entity (i.e. corporation, limited partnership, etc.), and 2) establishes that the firm or entity is authorized by the State Corporation Commission to transact business in the Commonwealth of Virginia. Failure of a prospective and/or successful bidder to provide such documentation shall be grounds for rejection of the bid or cancellation of the award. For further information refer to the Commonwealth of Virginia State Corporation Commission website at: www.scc.virginia.gov.

18. BID WITHDRAWAL PRIOR TO BID OPENING

No bid can be withdrawn after it is filed with the Bid Clerk unless the bidder makes a request in writing to the Purchasing Agent prior to the time set for the opening of bids.

19. WITHDRAWAL OF BID FROM CONSIDERATION AFTER BID OPENING

After the opening of a bid, a bidder may withdraw its bid from consideration if the price of the bid is substantially lower than other bids due solely to a mistake therein, provided the bid is submitted in good faith, the mistake is a clerical mistake as opposed to a judgment mistake, and is actually due

to an unintentional arithmetic error or an unintentional omission of a quantity of work, labor or material made directly in the compilation of the bid, which unintentional error or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the bid sought to be withdrawn. No partial withdrawals of bids will be permitted after the time and date set for the bid opening. The bidder must give notice in writing to the Arlington County Purchasing Agent of a claim of right to withdraw a bid and provide all original work papers, documents and other materials used in the preparation of the bid sought to be withdrawn, within two (2) business days after the date of bid opening. A bid may also be withdrawn if the Arlington County fails to award or issue a notice of intent to award the bid within ninety (90) days after the date fixed for opening bids.

20. PARKING

At most Arlington County government facilities, parking for contractors' vehicles is not provided by Arlington County. A contractor is responsible for the payment of any parking charges or fines resulting from illegal parking at any worksite(s).

21. REQUIREMENTS CONTRACT AND ACKNOWLEDGEMENT

Bidders acknowledge that the contract that will be entered into as a result of this solicitation will be a requirements contract. Arlington County will have no obligation to the successful bidder if no items or services are required. Any quantities which are included in this solicitation are the present expectations of those who are planning for Arlington County for the period of the contract. The amount is only an estimate and each bidder understands and agrees that Arlington County is under no obligation to the successful bidder to buy any amount as a result of having provided this estimate or of having had any normal or otherwise measurable requirement in the past. Each bidder further understands that Arlington County may require services in excess of the estimated annual contract amount and that such excess shall not give rise to any claim for compensation other than at the unit prices in the contract.

22. TRADE SECRETS OR PROPRIETARY INFORMATION

Trade secrets or proprietary information that is submitted by a bidder or contractor in connection with a procurement transaction or prequalification application submitted pursuant to subsection 4-101(2) of the Arlington County Purchasing Resolution may be exempted from public disclosure under the Virginia Freedom of Information Act ("VFOIA"). However, the bidder or contractor must invoke the protection of this subsection prior to or upon submission of the data or other materials, and must identify clearly and in writing, on the Bid Form, the data or other materials to be protected and state the reasons why protection is necessary or falls within the exception to the VFOIA. It is the bidder's sole responsibility to defend such exemptions if challenged in a court of competent jurisdiction.

23. INTEREST IN MORE THAN ONE BID AND COLLUSION

Multiple bids received in response to this solicitation from an individual, firm, partnership, corporation, affiliate, or association under the same or different names will be rejected. Reasonable grounds for believing that a bidder is interested in more than one (1) bid for a solicitation both as a bidder and as a subcontractor for another bidder will result in rejection of all bids in which the bidder is interested. However, a firm acting only as a subcontractor may be included as a subcontractor for two (2) or more bidders submitting a bid for the work. Any or all bids may be rejected if reasonable

grounds exist for believing that collusion exists among any bidders. Bidders rejected under the above provisions shall be disqualified if they respond to a re-solicitation for the same work.

24. LIVING WAGE CONTRACT

If this solicitation and resulting contract is subject to the Service Contract Wage ("Living Wage") provisions covered under Article 4-103 of the Arlington County Purchasing Resolution, all employees of a contractor or subcontractor working on County-owned or County-occupied property shall be an hourly wage no less than the Living Wage published on the County's website. By submitting a bid, the bidder certifies that it will comply with this provision and ensure that its subcontractors, if any are authorized, comply with this provision. (Refer to Section 58 under Contract Terms and Conditions for further details specific to this solicitation/contract.)

The Arlington County Living Wage rate is subject to adjustment during the contract term at the beginning of each fiscal year. The County will not allow the Contractor to increase their contract rates due to an increase in the Living Wage rate.

For your reference, the following is a history of the Living Wage rate since the adoption of the policy:

July 1, 2012:	\$13.13
July 1, 2010:	\$12.75
July 1, 2006:	\$11.80
July 1, 2005:	\$11.20
July 1, 2003:	\$10.98

26. BEST VALUE APPROACH

This solicitation is issued under the "Best Value" approach, as it is defined in the Arlington County Purchasing Resolution. Under this approach, in determining the "lowest responsible bidder", the County may consider, in addition to price, any of the following:

- a. The ability, capacity, skill and financial resources of the bidder to perform the contract or to provide the service required;
- b. Whether the bidder can perform the contract or provide the service promptly, or within the time specified, without delay or interference;
- c. Whether the bidder provides goods or services that are the best value for the County;
- d. The character, integrity, reputation, judgment, experience, and/or efficiency of the bidder;
- e. The quality of work and of performance under previous contracts or services;
- f. The previous and existing compliance by the bidder with laws and ordinances relating to the contract or service;
- g. The ability of the bidder to provide future maintenance and service for the use of the subject of the contract;

- h. Whether the bidder is in arrears to the County on a debt or contract or is a defaulter on surety or whether the bidder's taxes or assessments are delinquent;
- i. Whether the bidder complies with Service Contract Wage requirements set forth in the Contract Terms and Conditions.

27. BEST VALUE BID SUBMISSION REQUIREMENTS

In addition to the completed and properly executed Bid Form, bidders shall provide the following information with their bids:

- a. A list of technicians intended to be assigned to work on County property under the contract anticipated by this solicitation. The list shall include names, current title, hourly wage rates, trade classifications, length of relevant experience, training, licenses and certifications. If any of these employees' current hourly wage rate is less than \$13.13, the bidder must include an acknowledgement of the bidder's intent to comply with the Living Wage rate.
- b. Turf Management Implementation Plan
- c. The Certified Sports Field Manager or Virginia Certified Nutrient Manager's Recreation Coder Certification number and/or License.
- d. A list all training and benefits that the bidder's firm provides to those employees.
- e. A description of the current business culture of the bidder's firm. The description shall include identification of the business's location; a statement as to whether employees take their service vehicles home; and a statement of the percentages of the bidder's business that are governmental, commercial, and residential.
- f. A description of how the services that would be provided by the bidder's firm under the contract anticipated by this solicitation would provide the County better value compared to other bidders.
- g. A list any special equipment that the bidder intends to use in fulfilling the contract anticipated by this solicitation.
- h. A list of at least five (5) references from commercial customers, including one (1) local, state or federal government that demonstrates the bidder's ability to provide the services sought by Arlington County in this solicitation.

28. BEST VALUE AWARD PROCESS

At the time of the bid opening, a Bid Evaluation Form, enclosed in a sealed envelope, will be made a public record. The Bid Evaluation Form shall include the criteria applicable to the contract weighted according to the value of those criteria under this solicitation.

For each bid received, and for each criterion listed, County staff will assign a number of points reflecting, in their sole opinion, the degree by which the bid satisfies each criterion. The assigned number of points will then be multiplied by the weight assigned to each criterion. A sum of the resulting numbers will identify the bid which represents the best value under

this solicitation. The bidder with the highest total evaluation points will be awarded the contract.

29. INSURANCE REQUIREMENTS

Each bidder must review the insurance requirements section carefully with its insurance agent or broker prior to submitting a bid to ensure they can provide the specific coverage requirements and limits applicable to this solicitation. If the bidder is not able to meet the insurance requirements of the solicitation, alternate insurance coverage satisfactory to Arlington County may be proposed by the bidder and considered by the County. Written requests for consideration of alternate coverage must be received by the County Purchasing Agent at least ten (10) working days prior to the date set for receipt of bids. If the County denies the request for alternate coverage, the coverage required by the Insurance Requirements section must be provided. If the County permits alternate coverage, an amendment to the Insurance Checklist will be issued prior to the time and date set for receipt of bids. The insurance requirements herein shall neither operate as a limitation of the Contractor's liability to the County nor as a limitation of the Contractor's duty of indemnification, as set forth in this solicitation and any resulting Contract.

30. CONDITIONS OF THE RIDER CLAUSE

The successful bidder have the option to extend any contract resulting from this solicitation to all or some of the member jurisdictions of the Metropolitan Washington Council of Governments ("COG") and the Northern Virginia Cooperative Purchasing Council, as set forth in the extension checklist contained in the Bid Form. The following conditions shall apply to the extension of an award to a designated jurisdiction:

- a. A negative reply to inclusion of any jurisdiction shall not adversely affect consideration of a bid for award.
- b. There shall be no obligation on the part of any designated jurisdiction to utilize an award extended to that jurisdiction.
- c. The awardee is solely responsible for notification of the identified jurisdictions of the availability of the award.
- d. Arlington County shall not be held responsible for any costs or damages incurred by another jurisdiction as a result of any award extended to that jurisdiction by the awardee.
- e. Participating jurisdictions will be permitted to purchase at Contract prices in accordance with contract terms. Participating jurisdictions will place their orders directly with the awardee and will be responsible for placing orders directly with the awardee, arranging deliveries, reconciling discrepancies and invoices, and issuing payments.
- f. Each participating jurisdiction has the option of executing a separate contract with the awardee. Contracts entered into with a participating jurisdiction may contain general terms and conditions unique to that jurisdiction including, by way of illustration and not limitation, clauses covering minority participation, non-discrimination, indemnification, naming the jurisdiction as an additional insured under any required insurance policies, and venue. If, when preparing such a

contract, the general terms and conditions of a jurisdiction are unacceptable to the awardee, the awardee may withdraw its extension of the award to that jurisdiction.

- g. Any extension to another jurisdiction shall be at the unit prices identified in the bid. Bidders shall not, under the conditions of this extension, offer any adjustment, addition, modification or other change to the technical requirements of this solicitation or the unit prices awarded by Arlington County under this solicitation to any public body to which the award is extended.

31. NOTICE OF DECISION TO AWARD

When the County has made a decision to award a contract(s), an e-mail with a Notice of Decision to Award will be sent to all bidders, using the email address provided in the Bid Form.

II. SCOPE OF SERVICES

Arlington County will receive bids for the application of herbicides/pesticides to sidewalks, curb and gutter medians, guardrails and other areas of the County roadways, and applying weed control and granular fertilizers for up to a five (5) year period.

The Work shall consist of spraying weeds, using herbicide solutions and applying liquid weed control and granular fertilizers. The application shall be performed by a registered technician under the supervision of a certified pesticide applicator possessing a valid Virginia Commercial pesticide applicator's license in the applicable categories. The herbicide shall be applied to sidewalks, curb & gutter, medians, under guardrails, around street signs and posts, areas within the County right-of-way on roadways, and other areas designated by the Project Officer. Liquid weed control and granular fertilizers shall be applied to athletic fields.

The Contractor shall have at least five (5) years of athletic field herbicide/pesticide experience.

The Contractor shall have a Virginia Department of Conservation & Recreation Certified Sports Field Manager or Virginia Certified Nutrient Manager on staff.

Within twenty-four (24) months of award, the successful Contractor shall develop and implement turf management nutrient plans. The plans shall be developed by a Certified Nutrient Planner in accordance with 10.1-104.2 of the Code of Virginia on all County lands where nutrients are applied to a continuous area greater than one (1) acre. The list of all locations greater than one (1) acre are included in the attached Pricing Sheet.

The Contractor shall provide the Project Officer with an annual report of all the locations treated, which shall include the following information:

1. Dates of Application
2. Types of chemical used and amounts/rate used for each location
3. Annual cost for treatment of each location.

WORK ASSIGNMENTS:

Each work assignment or combination of work assignments by the County shall be for a minimum of one (1) eight (8) hour day.

SCHEDULE OF WORK:

1. Herbicides shall be applied during the months of March through October of each calendar year.

The application through backpack spraying shall be performed at a minimum of two (2) times per calendar year. The first spraying shall begin no later than May 1st, and be completed by May 26th. The second spraying shall begin no later than August 5th, and be completed by August 30th. The Contractor shall request approval of any modification of this schedule in writing from the Project Officer. Additional applications may be requested by the Project Officer or designee.

The Contractor shall submit a schedule at least two (2) weeks prior for approval to the Project Officer for the application of weed control and granular fertilizers to be applied as follows:

- A. Spring and Early Summer: Spring application-March 25 to April 10; Summer application-May 25 to June 25, using:

Broad Leaf weed control-Trimec 959 or equivalent

Pre-emergent Crabgrass control-Barricade or equivalent

Fertilizer-24-8-12 at a rate of no more than one lb. per 1000 S.F., 50% sulfur coated Urea or equivalent

- B. Fall application: September 15 to October 15 using:

Broad Leaf Weed Control-Trimec 959 or equivalent

Fertilizer 36-3-10 at a rate of 1 lb per 1,000 S.F.

2. The Work shall be performed during an eight (8) hour day shift, which shall be within the period from sunrise to sunset, Monday through Friday with the exception of County Holidays. The Contractor will receive daily orders from the County Project Officer or designee. Daily working hours may be increased to ten (10) hours per day, as determined by the County. However, the total weekly hours assigned in a given calendar week shall not exceed forty (40) hours.
3. Time is of the essence under this contract. Work assignments under this contract shall commence within seven (7) calendar days from the date of the issuance of a Notice to Proceed issued by the Project Officer. The County may extend the assignment for 48 hours if weather, road, or other conditions unfavorably affect the application of herbicides.
4. Each Work assignment shall be continued diligently to ensure completion. Each work day morning, before 8:00 A.M., the Contractor's crew Supervisor shall report to the Project Officer or designee (by telephone or in person) Work completed during previous day and scheduled Work for the day.

SPECIFICATIONS:

The Contractor shall apply herbicide solutions with a truck or trailer mounted herbicide spray unit or by special request from the Project Officer with backpack type sprayer consisting of the following equipment and personnel with equivalent capabilities.

A self-propelled boom sprayer must be used for all athletic fields.

1. TRUCK: Shall be of sufficient size to meet the Virginia Department of Motor Vehicles Laws and Regulations to haul the specified sprayer and accommodate the sprayer operator, herbicide concentrates and other incidental equipment and supplies necessary for one day's operation.

The truck shall be equipped with a fully charged and operable fire extinguisher, an emergency spill kit, tools and materials necessary to repair, control and cleanup leaks and spills, and to assure operator's safety.

2. TRUCK OR TRAILER MOUNTED SPRAYER: Shall be minimum two hundred (200) gallons and shall be equipped with a mechanical or hydraulic agitator capable of producing vigorous agitation of the herbicide solution, a pump having a GPM rating commensurate with the intended use. The sprayer shall also be equipped with a hose reel accommodating a minimum of one hundred (100) feet of 1/2 inch high pressure hose and a trigger type hand-gun. An on-off valve and a pressure gauge (0-60 PSI oil filled) shall be included for use to control the spray patterns. The spray unit shall also require an adjustable spray nozzle for controlled spray application.

3. BACKUP VEHICLE: Shall be used for maintenance of traffic, shall be equipped with a flashing directional arrow (arrow board).

Self-Propelled Boom Sprayer: Shall be a minimum 200 gallons and shall be equipped with boom type apparatus capable of calibration within +/- ½ gallon/acre with foam markers. Cushman boom sprayer or approved equal.

4. FULL CREW: Shall consist of two (2) operators and one (1) supervisor. The supervisor shall have knowledge of the appropriate application rates of herbicide solution, spray materials, plants to be controlled, speed of equipment, wind speed and direction, direction of traffic and all other factors related to professional herbicide application. The two (2) operators shall have the ability to operate the spray equipment.

REDUCED CREW: Shall consist of one (1) operator and one (1) supervisor. The supervisor shall have knowledge of the appropriate application rates of herbicide solution, spray materials, plants to be controlled, speed of equipment, wind speed and direction, temperature, direction of traffic and all other factors related to professional herbicide application. The operator shall have the ability to operate the spray equipment. A backup vehicle is not required for reduced crew.

5. BACKPACK TYPE SPRAY APPLICATOR: Shall be a unit intended to be carried by one (1) person, approximately three (3) gallons, equipped with a hand pump that can provide the GPM rating adequate for the intended use. Application shall be controlled by a wand type sprayer with a trigger type on-off valve.

6. APPLICATION OF GRANULAR FERTILIZERS: Granular Fertilizer shall be applied by means of a broadcast spreader at the appropriate application rates specified on the manufacturer's label. The operator shall have the knowledge and ability to calibrate and operate the equipment specified in this portion of the contract.

7. BACKPACK SPRAY CREW: Shall consist of one (1) operator and one (1)

supervisor both equipped with backpack type spray applicators. The supervisor shall have knowledge of the appropriate application rates of herbicide solution, spray materials, plants to be controlled, speed of equipment, wind speed and direction and all other factors related to professional herbicide application. The operator shall have the ability to operate the spray equipment.

8. HERBICIDE MIXING AND APPLICATION: Shall be accomplished in accordance with the Virginia Pesticide Applicators Law and manufacturer's label direction. At the request of the Project Officer, the Contractor shall supply the manufacturer's directions. No "Roundup Pro" application shall be done if the chance of rain is more the 50% within three (3) hours of application (per regional weather forecasts); application of other materials shall be adjusted to weather and environmental conditions.
9. VEHICLE/TRAFFIC SAFETY: The Contractor shall provide, on the spray unit and the backup vehicle, all required warning lights, a cab mounted revolving or flashing amber light which can be seen from all sides of the truck and a rear mounted orange and black 4' x 4' diamond shape "ROAD WORK" sign, and all other signage as required by the Virginia Department of Transportation (VDOT) for slow moving work vehicles.
10. SIGNAGE: All treated areas shall be posted with flags, at time of treatment, indicating material applied, date applied, and a phone number for citizens to call for further information (phone number to be provided to the Contractor by the County). Flags shall be placed to effectively notify the general public and as many as may be needed and reasonably directed by the County for effective notice. All flags shall be removed 48 hours after treatment by the Contractor. The Contractor shall provide the flags that shall include, by way of illustration and not limitation, Chemical Applied (common name is preferred), Date Applied, Phone Number for further information, and Company name. All flags shall be no larger than 5" x 7" and made of light weight rigid plastic with plastic stakes.

MATERIALS:

The Contractor shall provide herbicides, fertilizers, spreader/sticker, wetting agent, and water. Inspection and acceptance will be made by the County after delivery, but failure to inspect and accept or reject supplies shall not impose liability on the County. The provision of the materials and supplies shall be a separate bid item. The County will pay only the unit prices indicated in the Bid Form.

The Contractor shall obtain a Water Use Permit issued by Arlington County Department of Environmental Services for use of any water hydrant in the County. The Contractor shall secure this permit and pay any costs associated with it, at no cost to the County.

TRAFFIC:

Provision of maintenance of traffic in accordance with the current traffic safety requirements of the County and the State shall be considered as part of the contract unit prices.

PERFORMANCE OF WORK:

If the Work does not conform with contract requirements, the County may require the Contractor to perform the Work again in conformity with contract requirements at no additional cost to the County. When the defects in the Work performed are not corrected by re-performance, the County may, at its discretion, require the Contractor to take necessary action to ensure that future performance conforms to contract requirements. and reduce the contract price to reflect the reduced value of the services performed.

If the Contractor fails to promptly perform the Work again or to take the necessary action to ensure future performance in conformity with contract requirements as required by the County, the County may perform, by separate contract or by its own forces, the non-conforming Work and charge to the Contractor any cost incurred by the County, or terminate the contract for default.

All Work performed shall be in accordance with good practices, procedures and industry standards. The Contractor must conform to all Federal, State, and Local laws and governmental regulations.

DAILY HERBICIDE REPORTS:

The Contractor shall complete and deliver to the County Project Officer a daily herbicide report in the following format. The report shall be delivered not later than 48 hours after completion of a day's work assignment. Separate reports are required for each assignment. Monthly payment will be processed only after receipt of all daily herbicide reports covering work assignments for the month covered by the invoice. **Each athletic field location requires a separate Daily Herbicide Report per field.**

<u>ARLINGTON COUNTY, VIRGINIA</u>							
<u>DAILY HERBICIDE REPORT</u>							
DATE: _____		TIME: _____ A.M./P.M.		TEMPERATURE: _____		WIND MPH: DIRECTION: _____	
MATERIALS USED:							
<u>CHEMICAL NAME AND FORMULA</u>	<u>CONCENTRATE AMOUNT USED</u>	<u>RATE</u>	<u>WATER (GAL.) USED</u>	<u>CHEMICAL UNIT PRICE</u>	<u>TOT.COST</u>		
_____	_____	_____	_____	\$ _____	\$ _____		
_____	_____	_____	_____	\$ _____	\$ _____		
_____	_____	_____	_____	\$ _____	\$ _____		
					<u>TOTAL COST:</u>	\$ _____	
<u>LOCATION</u>	<u>FROM</u>	<u>TO</u>	<u>ROAD SIDE</u>		<u>MEDIAN</u>		<u>PLANT</u>
_____	_____	_____	<u>SWATH</u>	<u>MI.</u>	<u>SWATCH</u>	<u>MI.</u>	<u>SPRAYED</u>
_____	_____	_____	_____	_____	_____	_____	_____

ADDITIONAL CONTRACTOR RESPONSIBILITIES:

Permits and licenses necessary to conduct the Work shall be provided by the Contractor at no cost to the County. The Contractor shall replace, at its expense, any landscape plant material previously planted which may be killed or disfigured through any act of Contractor's negligence during the application and handling of herbicide under this contract.

DEMONSTRATION OF QUALIFICATIONS AND CAPABILITY:

Prior to the start of the contract, the Contractor shall, at its expense, assemble proposed equipment and personnel in Arlington County and demonstrate to the satisfaction of the County Project Officer that the equipment and personnel proposed meet the contract specifications. The Contractor shall calibrate its equipment in the presence of the Project Officer.

METHOD OF PAYMENT

The Contractor shall submit to the appropriate County Agency a detailed invoice, in duplicate, at the end of each calendar month for all work completed.

No payments will be processed until receipt and approval of daily herbicide reports.

If a crew cannot work a full day due to weather conditions, equipment breakdown or any other reason accepted by the County's Project Officer, the County will pay the contractor 1/8 of the 8 hour work day rate for each full hour of work performed.

All areas on work assignment sites utilized for equipment or materials storage shall be restored to their original condition at the Contractor's expense and to the satisfaction of the County.

USE OF CONTRACT

Various County agencies may participate in this contract if a need develops for contracting out the application of pesticides in various areas of the County. Currently, the Parks & Natural Resources Division and the Sports Division of Arlington County has expressed interest in the contract.

III. CONTRACT TERMS AND CONDITIONS

1. CONTRACT DOCUMENTS

The "Contract Documents" consist of the bid of the successful bidder (hereinafter "Contractor") and Arlington County (hereinafter "County") Invitation to Bid No. 634-14.

The Contract Documents set forth the entire agreement between the County and the Contractor. The County and the Contractor agree that no representative or agent of either of them has made any representation or promise with respect to the parties' agreement which is not contained in the Contract Documents. The Contract Documents may be referred to herein as the "Contract" or "Agreement".

2. SCOPE OF WORK

The Contractor agrees to perform the services described in the Contract Documents (hereinafter "the Work"), more particularly described in the Scope of Services included with the Invitation to Bid. The primary purpose of the Work is to provide the application of herbicide/pesticide, weed control and granular fertilizers to the County. The Contract Documents set forth the minimum work estimated by the County and the Contractor to be necessary to complete the Work. It shall be the Contractor's responsibility, at the Contractor's sole cost, to provide the specific services set forth in the Contract Documents and sufficient services to fulfill the purposes of the Work. Nothing in the Contract Documents shall be construed to limit the Contractor's responsibility to manage the details and execution of the Work.

3. CONTRACT TERM

The term of this Agreement will commence on the date of execution by the County, and shall be completed no later than **OCTOBER 31, 2019**, subject to any written modifications as provided for in the Contract Documents.

4. CONTRACT PRICING

Unless otherwise provided in the Contract Documents, the Contractor shall provide the services covered in the County's Invitation to Bid No. 634-14 at the prices provided in the bid of the Contractor.

5. PROJECT OFFICER

The performance of the Contractor is subject to the review and approval of the County Project Officer ("Project Officer") who shall be appointed by the Director of the Arlington County department or agency requesting the work under the Contract. However, it shall be the responsibility of the Contractor to manage the details of the execution and performance of its work pursuant to the Contract Documents.

6. PROJECT STAFF

The Project Officer will, throughout the Initial Contract Term and Subsequent Contract Term, have the right of reasonable rejection and approval of staff or subcontractors assigned to the project by the Contractor. If the Project officer reasonably rejects staff or subcontractors pursuant to this section, the Contractor must provide replacement staff or subcontractors satisfactory to the County in a timely manner and at no additional cost to the County. The day-to-day supervision and control of the Contractor's employees, and employees of any of its subcontractors, shall be the sole responsibility of the Contractor.

7. ADJUSTMENTS FOR CHANGE IN SCOPE

The County may order changes in the Work within the general scope of the work consisting of additions, deletions or other revisions. No claim may be made by the Contractor that the scope of the project or of the Contractor's services has been changed requiring adjustments to the amount of compensation due the Contractor unless such adjustments have been made by a written amendment to the Contract signed by the County and the Contractor. If the Contractor believes that any particular work is not within the scope of the work or is a material change or otherwise will call for more compensation to the Contractor, the Contractor must notify the Project Officer immediately after the change or event occurs and within ten (10) calendar days thereafter must provide written notice to the Project Officer. The Contractor's notice must provide to the Project Officer the amount of additional compensation claimed, together with the basis therefor and documentation supporting the claimed amount. The Contractor will not be compensated for performing any work unless a proposal complying with this paragraph has been submitted in the time specified above and a written Contract amendment has been signed by the County and the Contractor and a County Purchase Order is issued covering the cost of the services to be provided pursuant to the amendment.

8. PAYMENT TERMS

Payment terms will be recorded by the County as Net thirty (30) days. The County will pay the Contractor within thirty (30) calendar days after the date of receipt of a correct, as determined by the Project Office, invoice approved by the Project Officer describing completed work which is reasonable and allocable to the Contract, or the date of receipt of the entire order, or the date of acceptance of the work which meets the Contract requirements, whichever is later. Payments will be made by the County for services furnished, delivered, inspected, and accepted upon receipt of invoices submitted on the date delivery of service, subject to applicable payment terms. The number of the County Purchase Order pursuant to which authority services have been performed shall appear on all invoices. Invoices shall be submitted in duplicate. Unless otherwise specified herein, payment shall not be made prior to delivery and acceptance of the entire Work by the County.

9. PAYMENT OF SUBCONTRACTORS

The Contractor is obligated to take one of the two following actions within seven (7) days after receipt of amounts paid to the Contractor by the County for work performed by any subcontractor under this Contract:

- a. Pay the subcontractor for the proportionate share of the total payment received from the County attributable to the work performed by the subcontractor under this Contract; or
- b. Notify the County and the subcontractor, in writing, of the Contractor's intention to withhold all or a part of the subcontractor's payment with the reason for nonpayment.

The Contractor is obligated to pay interest to the subcontractor on all amounts owed by the Contractor to the subcontractor that remain unpaid after seven (7) calendar days following receipt by the Contractor of payment from the County for work performed by the subcontractor under this Contract, except for amounts withheld as allowed in subsection b., above. Unless otherwise provided under the terms of this Contract, interest shall accrue at the rate of one percent (1%) per month.

The Contractor shall include in each of its subcontracts, if any are permitted, a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements as those contained herein with respect to each lower-tier subcontractor.

The Contractor's obligation to pay an interest charge to a subcontractor pursuant to this section may not be construed to be an obligation of the County. A Contract modification may not be made for the purpose of providing reimbursement for such interest charge. A cost reimbursement claim may not include any amount for reimbursement for such interest charge.

10. NON-APPROPRIATION

All funds for payments by the County to the Contractor pursuant to this Contract are subject to the availability of an annual appropriation for this purpose by the County Board of Arlington County, Virginia. In the event of non-appropriation of funds by the County Board of Arlington County, Virginia for the services provided under this Contract or substitutes for such services which are as advanced or more advanced in their technology, the County will terminate the Contract, without termination charge or other liability to the County, on the last day of the then-current fiscal year or when the appropriation made for the then-current year for the services covered by this Contract is spent, whichever event occurs first. If funds are not appropriated at any time for the continuation of this Contract, cancellation will be accepted by the Contractor on thirty (30) days prior written notice, but failure to give such notice shall be of no effect and the County shall not be obligated under this Contract beyond the date of termination specified in the County's written notice.

11. REQUIREMENTS CONTRACT (ESTIMATED QUANTITIES)

During the Initial Contract Term or any Subsequent Contract Term, the Contractor will furnish all of the goods or services described in the Contract Documents if so requested by the County. The Contractor understands and agrees that this is a requirements contract and the County will have no obligation to the Contractor if no, or fewer, items or services are required or requested by the County. Any quantities which are included in the Contract Documents are the present expectations of those who are planning for the County for the period of the Contract. The amount is only an estimate and the Contractor understands and agrees that the County is under no obligation to the Contractor to buy that amount, or any amount as a result of having provided this estimate or of having had any normal or otherwise measurable requirement in the past. The Contractor further understands that the County may require goods and/or services in excess of the estimated annual contract amount and that such excess shall not give rise to any claim for compensation other than at the unit prices and/or rates set forth in this Contract.

12. COUNTY PURCHASE ORDER REQUIREMENT

County purchases are authorized only if a County Purchase Order is issued in advance of the transaction, indicating that the ordering agency has sufficient funds available to pay for the purchase. Such a Purchase Order is to be provided to the Contractor by the ordering agency. The County will not be liable for payment for any purchases made by its employees without appropriate purchase authorization issued by the County Purchasing Agent. If the Contractor provides services without a signed County Purchase Order, it does so at its own risk and expense.

13. DAMAGE TO PROPERTY

Any damage, as determined by the Project Officer, to the real or personal property, whether owned by the County or others, resulting from the Work performed under this Contract shall be timely repaired or replaced to the County's satisfaction at the Contractor's expense. The County will perform the repairs unless the County agrees that such repairs will be made by the Contractor. Any such Contractor repairs will be made within ten (10) days of the date of damage to the satisfaction of the County. All costs of the repair performed by the County shall be deducted from the Contractor's final payment.

14. OSHA REQUIREMENTS

The Contractor certifies that all material supplied or used under this Contract meets all Occupational Safety and Health Administration requirements, both Federal and those of the Commonwealth of Virginia; and further certifies that, if the material delivered or used in the performance of the work is found to be deficient in any of the applicable state or federal occupational safety and health requirements, all costs necessary to bring the material into compliance with the requirements shall be borne by the Contractor.

15. HAZARDOUS MATERIALS

Arlington County is subject to the Hazard Communication Standard, 29 CFR § 1910.1200 ("Standard"). The Contractor agrees that it will provide or cause to be provided Material Safety Data Sheets ("MSDS") required under the Standard for all hazardous materials supplied to the County or used in the performance of the Work. Such MSDS shall be delivered to the County no later than the time of actual delivery of any hazardous materials to the County or use of such material in the performance of work under the Contract by the Contractor or its subcontractors, whichever occurs first. Container labeling that meets the requirements of the Standard shall be appropriately affixed to the shipping or internal containers. The County reserves the right to refuse shipments of hazardous materials not appropriately labeled, or when MSDS have not been received prior to or at the time of receipt of the shipment for use by the County or for use by the Contractor in the performance of the Contract, or whenever the material is delivered in a manner inconsistent with any applicable law or regulation. Any expenses incurred due to the refusal or rejection of MSDS are the responsibility of the Contractor. The Contractor shall comply with all federal, state, and local laws governing the storage, transportation, and use of toxic and hazardous materials.

16. HAZARDOUS WASTE GENERATOR/HAZARDOUS WASTE DISPOSAL

The County and the Contractor shall be listed as co-generators. The Contractor assumes all duties pertaining to the waste generator, including signing the Waste Shipment Record ("WSR") and manifest. The Contractor shall supply the County Project Officer with the executed original Owner's Copy of the WSR, as required by applicable regulatory agencies within thirty-five (35) days from the time the waste was accepted by the initial waste transporter, and prior to request for final payment. A separate WSR shall be submitted for each shipment to the disposal site.

Delayed Waste Shipment Records: The Contractor shall report in writing to the EPA Region III office within forty-five (45) days if an executed copy of the WSR is not received from the operator of the disposal site. The report to the EPA regional office shall include a copy of the original WSR and a

cover letter signed by the Contractor stating the efforts taken to locate the hazardous waste shipment and the results of those efforts.

Temporary Hazardous Waste Storage Prohibited: The Contractor shall not temporarily store hazardous waste unless pre-approved by the County. If so approved, hazardous waste stored off-site in a temporary facility shall be monitored and records shall be kept on the number of containers, size, and weight. The Contractor shall inform the County when the hazardous waste is to be transported to the final disposal site. The County has the right to inspect the temporary site at any time. The Contractor shall submit copies of all relevant manifests, WSRs, and landfill receipts to the County Project Officer prior to the request for final payment. All paperwork shall be signed by the Contractor and disposal site operator as required.

17. SAFETY

The Contractor shall comply with, and ensure that the Contractor's employees and subcontractors comply with, all current applicable local, state and federal policies, regulations and standards relating to safety and health, including, by way of illustration and not limitation, the standards of the Virginia Occupational Safety and Health program of the Department of Labor and Industry for General Industry and for the Construction Industry, the Federal Environmental Protection Agency standards and the applicable standards of the Virginia Department of Environmental Quality.

The Contractor shall provide, or cause to be provided, all technical expertise, qualified personnel, equipment, tools and material to safely accomplish the work specified to be performed by the Contractor and subcontractor(s).

The Contractor shall identify to the County Project Officer at least one on-site person who is the Contractor's competent, qualified, and authorized person on the worksite and who is, by training or experience, familiar with and trained in policies, regulations and standards applicable to the work being performed. The competent, qualified and authorized person must be capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous or dangerous to employees, shall be capable of ensuring that applicable safety regulations are complied with, and shall have the authority and responsibility to take prompt corrective measures, which may include removal of the Contractor's personnel from the work site.

The Contractor shall provide to the County, at the County's request, a copy of the Contractor's written safety policies and safety procedures applicable to the scope of work. Failure to provide this information within seven (7) days of the County's request may result in cancellation of the contract.

18. SUPERVISION BY CONTRACTOR

The Contractor shall at all times enforce strict discipline and good order among the employees and subcontractors performing under this Contract, and shall not employ on the Work any person not reasonably proficient in the work assigned.

19. EMPLOYMENT DISCRIMINATION BY CONTRACTOR PROHIBITED

During the performance of this Contract, the Contractor agrees as follows:

- a. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex,

national origin, age, disability, or any other basis prohibited by federal or Virginia law related to discrimination in employment except where there is a bona fide occupational qualification reasonably necessary or related to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

- b. The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that the Contractor is an Equal Opportunity Employer.
- c. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.
- d. The Contractor will comply with the provisions of the Americans with Disabilities Act of 1990 which prohibits discrimination against individuals with disabilities in employment, and mandates their full participation in both publicly and privately-provided services and activities.
- e. The Contractor will include the provisions of the foregoing paragraphs in every subcontract or purchase order of over \$10,000.00, so that these provisions will apply to each subcontractor or vendor.

20. EMPLOYMENT OF UNAUTHORIZED ALIENS PROHIBITED

In accordance with § 2.2-4311.1 of the Code of Virginia, 1950, as amended, the Contractor acknowledges that it does not, and shall not during the performance of this Contract, knowingly employ an unauthorized alien as that term is defined in the federal Immigration Reform and Control Act of 1986.

21. DRUG-FREE WORKPLACE TO BE MAINTAINED BY CONTRACTOR

During the performance of this Contract, the Contractor agrees to (i) provide a drug-free workplace for the Contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of marijuana or any other controlled substance is prohibited in the Contractor's workplace, and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000.00 relating to this Contract, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "drug-free workplace" means a site for the performance of work done in connection with a specific contract awarded to a contractor by Arlington County, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

Smoking is strictly prohibited on Arlington County Public Schools property.

23. UNSATISFACTORY WORK

If any of the work done, or material, goods, or equipment provided, by the Contractor is unsatisfactory to the County, the Contractor shall, on being notified by the County, immediately remove at the Contractor's expense such unsatisfactory work, material, goods, or equipment and replace the same with work, material, goods, or equipment satisfactory to the County. In the event the Contractor fails within fifteen (15) days after receipt of written notice to remove improper or unsuitable work, material, goods, or equipment and replace it with suitable and satisfactory work, material, goods, or equipment, the County shall have the right, but not the obligation, to remove or replace the rejected work, material, goods, or equipment at the expense of the Contractor. This paragraph applies during the Initial Contract Term, any Subsequent Contract Term, and during any warranty or guarantee period. At its discretion, the County shall be entitled to offset such expense against any sums owed by the County to the Contractor under this Contract. If the Project Officer and the County deem it expedient not to require correction or replacement of the work which has not been done in accordance with the Contract, an appropriate adjustment to the Contract Amount may be made therefor.

24. TERMINATION FOR CAUSE, INCLUDING BREACH AND DEFAULT; CURE

The Contract shall remain in force for the Initial Contract Term or Subsequent Contract Term(s) and until the County determines that all of the following requirements and conditions have been satisfactorily met: the County has accepted the Work, and thereafter until the Contractor has met all requirements and conditions relating to the Work under the Contract Documents, including warranty and guarantee periods. However, the County shall have the right to terminate this Contract sooner if the Contractor is in breach or default or has failed to perform satisfactorily the Work required, as determined by the County in its discretion.

If the County determines that the Contractor has failed to perform satisfactorily, then the County will give the Contractor written notice of such failure(s) and the opportunity to cure such failure(s) at least fifteen (15) days before termination of the Contract takes effect ("Cure Period"). If the Contractor fails to cure within the Cure Period or as otherwise specified in the notice, the Contract may be terminated for the Contractor's failure to provide satisfactory Contract performance. Upon such termination, the Contractor may apply for compensation for Contract services satisfactorily performed by the Contractor and allocable to the Contract and accepted by the County prior to such termination unless otherwise barred by the Contract ("Termination Costs"). In order to be considered, such request for Termination Costs, with all supporting documentation, must be submitted to the County Project Officer within fifteen (15) days after the expiration of the Cure Period. The County may accept or reject, in whole or in part, the application for Termination Costs and notify the Contractor of same within a reasonable time thereafter.

If the County terminates the Contract for default or breach of any Contract provision or condition, then the termination shall be immediate after notice from the County to the Contractor (unless the County in its discretion provides for an opportunity to cure) and the Contractor shall not be permitted to seek Termination Costs.

Upon any termination pursuant to this section, the Contractor shall be liable to the County for all costs incurred by the County after the effective date of termination, including costs required to be expended by the County to

complete the Work covered by the Contract, including costs of delay in completing the Work or the cost of repairing or correcting any unsatisfactory or non-compliant work performed or provided by the Contractor or its subcontractors. Such costs shall be either deducted from any amount due the Contractor or shall be promptly paid by the Contractor to the County upon demand by the County. Additionally, and notwithstanding any provision in this Contract to the contrary, the Contractor is liable to the County, and the County shall be entitled to recover, all damages to which the County is entitled by this Contract or by law, including and without limitation, direct damages, indirect damages, consequential damages, delay damages, replacement costs, refund of all sums paid by the County to the Contractor under the Contract and all attorney fees and costs incurred by the County to enforce any provision of this Contract.

Except as otherwise directed by the County in the notice, the Contractor shall stop work on the date of receipt of notice of the termination or other date specified in the notice, place no further orders or subcontracts for materials, services, or facilities except as are necessary for the completion of such portion of the Work not terminated, and terminate all vendors and subcontracts and settle all outstanding liabilities and claims. Any purchases after the date of termination contained in the notice shall be the sole responsibility of the contractor

In the event any termination for cause, default, or breach shall be found to be improper or invalid by any court of competent jurisdiction then such termination shall be deemed to have been a termination for convenience.

25. TERMINATION FOR THE CONVENIENCE OF THE COUNTY

The performance of Work under this Contract may be terminated by the County Purchasing Agent in whole or in part whenever the Purchasing Agent shall determine that such termination is in the County's best interest. Any such termination shall be effected by the delivery to the Contractor of a written notice of termination at least fifteen (15) days before the date of termination, specifying the extent to which performance of the work under this Contract is terminated and the date upon which such termination becomes effective. The Contractor will be entitled to receive compensation for all Contract services satisfactorily performed by the Contractor and allocable to the Contract and accepted by the County prior to such termination and any other reasonable termination costs as negotiated by the parties, but no amount shall be allowed for anticipatory profits.

After receipt of a notice of termination and except as otherwise directed, the Contractor shall stop all designated work on the date of receipt of the notice of termination or other date specified in the notice; place no further orders or subcontracts for materials, services or facilities except as are necessary for the completion of such portion of the work not terminated; immediately transfer all documentation and paperwork for terminated work to the County; and terminate all vendors and subcontracts and settle all outstanding liabilities and claims.

26. INDEMNIFICATION

The Contractor covenants for itself, its employees, and subcontractors to save, defend, hold harmless and indemnify the County, and all of its elected and appointed officials, officers, current and former employees, agents, departments, agencies, boards, and commissions (collectively the "County" for purposes of this section) from and against any and all claims made by third parties or by the County for any and all losses, damages, injuries, fines,

penalties, costs (including court costs and attorney's fees), charges, liability, demands or exposure, however caused, resulting from, arising out of, or in any way connected with the Contractor's acts or omissions, including the acts or omissions of its employees and/or subcontractors, in performance or nonperformance of the work called for by the Contract Documents. This duty to save, defend, hold harmless and indemnify shall survive the termination of this Contract. If, after notice by the County, the Contractor fails or refuses to fulfill its obligations contained in this section, the Contractor shall be liable for and reimburse the County for any and all expenses, including but not limited to, reasonable attorneys fees incurred and any settlements or payments made. The Contractor shall pay such expenses upon demand by the county and failure to do so may result in such amounts being withheld from any amounts due to Contractor under this Contract.

27. INTELLECTUAL PROPERTY INDEMNIFICATION

The Contractor warrants and guarantees that no intellectual property rights (including, but not limited to, copyright, patent, mask work and trademark) of third parties are infringed or in any manner involved in or related to the services provided hereunder.

The Contractor further covenants for itself, its employees, and subcontractors to save, defend, hold harmless, and indemnify the County, and all of its officers, officials, departments, agencies, agents, and employees from and against any and all claims, losses, damages, injuries, fines, penalties, costs (including court costs and attorney's fees), charges, liability, or exposure, however caused, for or on account of any trademark, copyright, patented or unpatented invention, process, or article manufactured or used in the performance of this Contract, including its use by the County. If the Contractor, or any of its employees or subcontractors, uses any design, device, or materials covered by letters patent or copyright, it is mutually agreed and understood, without exception, that the Contract Amount includes all royalties, licensing fees, and any other costs arising from the use of such design, device, work, or materials in any way involved with the work hereunder. This duty to save, defend, hold harmless and indemnify shall survive the termination of this Contract. If, after Notice by the County, the Contractor fails or refuses to fulfill its obligations contained in this section, the Contractor shall be liable for and reimburse the County for any and all expenses, including but not limited to, reasonable attorneys fees incurred and any settlements or payments made. The Contractor shall pay such expenses upon demand by the county and failure to do so may result in such amounts being withheld from any amounts due to Contractor under this Contract.

28. COPYRIGHT

The Contractor hereby irrevocably transfers, assigns, sets over and conveys to the County all right, title and interest, including the sole exclusive and complete copyright interest, in any and all copyrightable works created pursuant to this Contract. The Contractor further agrees to execute such documents as the County may request to effect such transfer or assignment.

Further, the Contractor agrees that the rights granted to the County by this paragraph are irrevocable. Notwithstanding anything else in this Contract, the Contractor's remedy in the event of termination of or dispute over the terms of this Contract shall not include any right to rescind, terminate or otherwise revoke or invalidate in any way the rights conferred pursuant to the provisions of this paragraph. Similarly, no termination of this Contract

shall have the effect of rescinding, terminating or otherwise invalidating the rights acquired pursuant to the provisions of this "Copyright" paragraph.

The use of subcontractors or third parties in developing or creating input into any copyrightable materials produced as a part of this Contract is prohibited unless the County approves the use of such subcontractors or third parties in advance and such subcontractors or third parties agree to include the provisions of this paragraph as part of any contract they enter into with the Contractor for work related to work pursuant to this Contract.

29. OWNERSHIP AND RETURN OF RECORDS

This Contract confers no ownership rights to the Contractor nor any rights or interests to use or to disclose the County's data or inputs.

The Contractor agrees that all drawings, specifications, blueprints, data, information, findings, memoranda, correspondence, documents or records of any type, whether written or oral or electronic, and all documents generated by the Contractor or its subcontractors as a result of the County's request for services under this Contract, are the exclusive property of the County ("Record" or "Records"), and all such Records shall be provided to and/or returned to County upon completion, termination, or cancellation of this Contract. The Contractor shall not use, willingly allow, or cause such materials to be used for any other purpose other than performance of all obligations under the Contract without the written consent of the County. Additionally, the Contractor agrees that the Records are confidential records and neither the Records nor their contents shall be released by the Contractor, its subcontractors, or other third parties; nor shall their contents be disclosed to any person other than the Project Officer or his or her designee. The Contractor agrees that all oral or written inquiries from any person or entity regarding the status of any Record generated as a result of the existence of this Contract shall be referred to the Project Officer or his or her designee for response. At the County's request, the Contractor shall deliver all Records to the Project Officer, including "hard copies" of computer records, and at the County's request, shall destroy all computer records created as a result of the County's request for services pursuant to this Contract.

The Contractor agrees to include the provisions of this section as part of any contract or agreement the Contractor enters into with subcontractors or other third parties for work related to work pursuant to this Contract.

No termination of this Contract shall have the effect of rescinding, terminating or otherwise invalidating this section.

30. CONFIDENTIAL INFORMATION

The Contractor, and its employees, agents, and subcontractors, hereby agree to hold as confidential all County information obtained as a results of its Work under this Contract. Confidential information includes, but is not limited to, nonpublic personal information, personally identifiable health information, social security numbers, addresses, dates of birth, other contact information or medical information about a person, information pertaining to products, operations, systems, customers, prospective customers, techniques, intentions, processes, plans, expertise and any information entrusted to any affiliate of the parties. The Contractor shall

take reasonable measures to ensure that all of its employees, agents, and subcontractors are informed of, and abide by, this requirement.

31. ETHICS IN PUBLIC CONTRACTING

This Contract incorporates by reference Article 9 of the Arlington County Purchasing Resolution, as well as any Virginia or federal law related to ethics, conflicts of interest, or bribery, including, by way of illustration and not limitation, the Virginia State and Local Government Conflict of Interests Act (Code of Virginia § 2.2-3100 et seq.), the Virginia Governmental Frauds Act (Code of Virginia § 18.2-498.1 et seq.), and Articles 2 and 3 of Chapter 10 of Title 18.2 of the Code of Virginia, as amended (§ 18.2-438 et seq.). The Contractor certifies that its offer was made without collusion or fraud and that it has not offered or received any kickbacks or inducements from any other offeror, supplier, manufacturer, or subcontractor and that it has not conferred on any public employee having official responsibility for this procurement any payment, loan, subscription, advance, deposit of money, services, or anything of more than nominal value, present or promised unless consideration of substantially equal or greater value was exchanged.

32. COUNTY EMPLOYEES

No employee of the County shall be admitted to any share in any part of this Contract or to any benefit that may arise therefrom which is not available to the general public.

33. FORCE MAJEURE

The Contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by this Contract if such failure is due to fires, riots, rebellions, natural disasters, wars, acts of terrorism, or an act of God beyond the control of the Contractor and outside the scope of the Contractor's then-current, by industry standards, disaster plan that make performance impossible or illegal, unless otherwise specified in the Contract.

The County shall not be held responsible for failure to perform its duties and responsibilities imposed by the Contract if such failure is due to fires, riots, rebellions, natural disasters, wars, acts of terrorism, or an act of God beyond the control of the County that make performance impossible or illegal, unless otherwise specified in the Contract.

34. AUTHORITY TO TRANSACT BUSINESS

The Contractor shall, pursuant to Code of Virginia §§ 2.2-4311.2, be and remain authorized to transact business in the Commonwealth of Virginia during the Initial Term and any Subsequent Contract Term(s) of this Contract. A contract entered into by a Contractor in violation of this requirement is voidable, without cost or expense, at the sole option of the County.

35. RELATION TO THE COUNTY

The Contractor is an independent contractor, and neither the Contractor nor its employees or subcontractors will, under any circumstances, be considered employees, servants or agents of the County. The County will not be legally responsible for any negligence or other wrongdoing by the Contractor, its employees, servants or agents. The County will not withhold from payments to the Contractor any federal or state unemployment taxes, federal or state income taxes, Social Security tax, or any other amounts for benefits to the Contractor or its employees, servants or agents. Furthermore, the County

will not provide to the Contractor any insurance coverage or other benefits, including workers' compensation, normally provided by the County for its employees.

36. ANTITRUST

By entering into this Contract, the Contractor conveys, sells, assigns and transfers to the County all rights, title, and interest in and to all causes of action the Contractor may now have or hereafter acquire under the antitrust laws of the United States or the Commonwealth of Virginia, relating to the services purchased or acquired by the County under this Contract.

37. REPORT STANDARDS

Reports or written material prepared by the Contractor in response to the requirements of this Contract or a request of the Project Officer shall, unless otherwise provided for in the Contract, meet standards of professional writing established for the type of report or written material provided, shall be thoroughly researched for accuracy of content, shall be grammatically correct and not contain spelling errors, shall be submitted in a format approved in advance by the Project Officer, and shall be submitted for advance review and comment by the Project Officer. The cost of correcting grammatical errors, correcting report data, or other revisions required to bring the report or written material into compliance with these requirements shall be borne by the Contractor.

When submitting documents to the County, the Contractor shall comply with the following guidelines:

- All submittals and copies shall be printed on at least thirty percent (30%) recycled-content and/or tree-free paper;
- All copies shall be double-sided;
- Report covers or binders shall be recyclable, made from recycled materials, and/or easily removable to allow for recycling of report pages (reports with glued bindings that meet all other requirements are acceptable);
- The use of plastic covers or dividers should be avoided; and
- Unnecessary attachments or documents not specifically asked for should not be submitted, and superfluous use of paper (e.g. separate title sheets or chapter dividers) should be avoided.

38. AUDIT

The Contractor shall secure an independent certified public accountant's audit of its finances and program operation after the close of each fiscal year (which ends on June 30), but no later than September 15 of each such year, and shall forward to the County the findings of such audit in whole, including the management letter or other ancillary audit components, and permit the County to make such review of the records of the contractor as may be deemed necessary by the County to satisfy audit purposes. In instances where a management letter was not prepared as an audit function, the Contractor must so certify in writing to the County at the time the audit report is submitted. All accounts of the Contractor are subject to such audit, regardless whether the funds are used exclusively for specific program activities or mingled with funds for other agency activities.

The Contractor agrees to retain all books, records and other documents related to this Contract for at least five (5) years after final payment.

The County or its authorized agents shall have full access to and the right to examine any of the above documents during this period and during the Initial Contract Term or any Subsequent Contract Term. If the Contractor wishes to destroy or dispose of records (including confidential records to which the County does not have ready access) within five (5) years after final payment, the Contractor shall notify the County at least thirty (30) days prior to such disposal, and if the County objects, shall not dispose of the records.

39. ASSIGNMENT

The Contractor shall not assign, transfer, convey, sublet, or otherwise dispose of any award, or any or all of its rights, obligations, or interests under this Contract, without the prior written consent of the County.

40. AMENDMENTS

Unless otherwise specified herein, this Contract shall not be amended except by written amendment executed by persons duly authorized to bind the Contractor and the County.

41. ARLINGTON COUNTY PURCHASING RESOLUTION AND COUNTY POLICIES

Notwithstanding any provision to the contrary herein, no provision of the Arlington County Purchasing Resolution or any applicable County policy is waived in whole or in part.

42. DISPUTE RESOLUTION

All disputes arising under this Agreement, or its interpretation, whether involving law or fact, extra work or extra compensation or time, and all claims for alleged breach of Contract shall be submitted in writing to the Project Officer for decision at the time of the occurrence or beginning of the work upon which the claim is based, whichever occurs first. Any such claims shall state the facts surrounding it in sufficient detail to identify it together with its character and scope. In accordance with the Arlington County Purchasing Resolution, claims denied by the Project Officer may be submitted to the County Manager in writing no later than sixty (60) days after final payment. The time limit for final written decision by the County Manager in the event of a contractual dispute, as that term is defined in the Arlington County Purchasing Resolution, is fifteen (15) days. Procedures for considering contractual claims, disputes, administrative appeals, and protests are contained in the Purchasing Resolution, which is incorporated herein by reference. A copy of the Arlington County Purchasing Resolution is available upon request from the Office of the Purchasing Agent. The Contractor shall not cause a delay in the Work pending any decision of the Project Officer, County Manager, County Board, or a court of law.

43. APPLICABLE LAW, FORUM, VENUE, AND JURISDICTION

This Contract and the work performed hereunder shall be governed in all respects by the laws of the Commonwealth of Virginia, and the jurisdiction, forum, and venue for any litigation with respect hereto shall be in the Circuit Court for Arlington County, Virginia, and in no other court. In performing its work under this Contract, the Contractor shall comply with applicable federal, state, and local laws, ordinances and regulations.

44. ARBITRATION

It is expressly agreed that nothing under the Contract shall be subject to arbitration, and that any references to arbitration are expressly deleted from the Contract.

45. NONEXCLUSIVITY OF REMEDIES

All remedies available to the County under this Contract are cumulative, and no such remedy shall be exclusive of any other remedy available to the County at law or in equity.

46. NO WAIVER

The failure of either party to exercise in any respect a right provided for in this Contract shall not be deemed to be a subsequent waiver of the same right or any other right.,

47. SEVERABILITY

The sections, paragraphs, sentences, clauses and phrases of this Contract are severable, and if any phrase, clause, sentence, paragraph or section of this Contract shall be declared invalid by a court of competent jurisdiction, such invalidity shall not affect any of the remaining phrases, clauses, sentences, paragraphs and sections of this Contract.

48. NO WAIVER OF SOVEREIGN IMMUNITY

Notwithstanding any other provision of this Contract, nothing in this Contract or any action taken by the County pursuant to this Contract shall constitute or be construed as a waiver of either the sovereign or governmental immunity of the County. The parties intend for this provision to be read as broadly as possible.

49. SURVIVAL OF TERMS

In addition to any numbered section in this Agreement which specifically state that the term or paragraph survives the expiration of termination of this Contract, the following sections if included in this Contract also survive: INDEMNIFICATION; OWNERSHIP AND RETURN OF RECORDS; AUDIT; COPYRIGHT; INTELLECTUAL PROPERTY INDEMNIFICATION; AND CONFIDENTIAL INFORMATION.

50. HEADINGS

The section headings in this Contract are inserted only for convenience and are not to be construed as part of this Contract or a limitation on the scope of the particular section to which the heading precedes.

51. AMBIGUITIES

Each party and its counsel have participated fully in the review and revision of this Agreement. Any rule of construction to the effect that ambiguities are to be resolved against the drafting party shall not apply in interpreting this Agreement. The language in this Agreement shall be interpreted as to its fair meaning and not strictly for or against any party.

52. NOTICES

Unless otherwise provided herein, all notices and other communications required by this Contract shall be deemed to have been given when made in writing and either (a) delivered in person, (b) delivered by an agent, such as an overnight or similar delivery service, or (c) deposited in the United States mail, postage prepaid, certified or registered, addressed as follows:

TO THE CONTRACTOR: REFER TO BID FORM OF CONTRACTOR

TO THE COUNTY:

The County Project Officer (refer to section headed Project Officer) under the Contract Terms and Conditions section (Contractor shall request address from Project Officer);

AND

Richard D. Warren, Jr., Purchasing Agent
Arlington County, Virginia
2100 Clarendon Boulevard, Suite 500
Arlington, Virginia 22201

53. NON-DISCRIMINATION NOTICE

Arlington County does not discriminate against faith-based organizations.

54. SERVICE CONTRACT WAGE REQUIREMENTS

a. LIVING WAGE

The County has determined that the provisions of Section 4-103 of the Arlington County Purchasing Resolution (Service Contract Wage provisions, herein referred to as "Living Wage" provisions) are applicable to this Contract. Therefore, the Contractor shall comply with Section 4-103 of the Arlington County Purchasing Resolution, pertaining to service contract wages (referred to herein as "Living Wage" provisions), during the performance of this Contract. All employees of the Contractor or any of its subcontractors working on County-owned or County-occupied property shall be paid an hourly wage no less than the hourly Living Wage rate published on the County's world-wide web site at the time of Contract execution. Effective July 1 of each year of the Contract, the wages of employees of the Contractor and any of its subcontractors shall be adjusted to correspond to any adjusted Living Wage rate posted on the County's world-wide web site.

b. COMPLAINTS BY AGGRIEVED EMPLOYEES

Within six (6) months of the Contractor's failure to comply with the Living Wage provisions, an aggrieved employee of the Contractor may file a complaint with the County's Purchasing Agent. If the Purchasing Agent determines that the Contractor has paid any affected employee a wage rate less than that required under the Living Wage provisions, the Contractor shall be liable to the employee for the amount of unpaid wage, plus interest at the current judgment rate set under Virginia law. The Contractor shall not discharge, reduce the compensation of, or otherwise retaliate against any employee who files a complaint with the County's Purchasing Agent, or takes any other action to enforce the requirements of this clause.

c. ADDITIONAL COMPLIANCE REQUIREMENTS

At all times during the term of the Contract, the Contractor shall:

1. Post the current wage rate, in English and Spanish, in a prominent place at its offices and each location where its employees perform services under this Contract (refer to Exhibit A);
2. Provide, within five (5) days of an employee's request, a written statement of the then current required wage rate (using the same form provided in item 1) above;

3. Include the provisions of this clause in all subcontracts for work performed under this Contract; and
4. Submit to the Purchasing Agent, within five (5) working days of the end of each quarter, quarterly payroll reports, and a completed Arlington County Contractor Living Wage Quarterly Compliance Report (refer to Exhibit B.) Include copies of at least four (4) payroll reports for each quarter and two (2) copies of a payroll check for each employee working during the quarter.

d. CONTRACTOR RECORD KEEPING

The Contractor shall keep and preserve records which show wages and benefits provided to each employee assigned to perform services under this Contract for a period of three (3) years after the expiration or earlier termination of this Contract. The Contractor shall permit the County's Purchasing Agent, or authorized representative, to examine and make copies of such records at reasonable times and without unreasonable interference with the business of the Contractor.

e. VIOLATIONS

Violation of this clause, as determined by the Purchasing Agent, shall be grounds for termination of this Contract and debarment of the Contractor from consideration for future awards of County contracts.

55. LIVING WAGE

The County has determined that the provisions of Section 4-103 of the Arlington County Purchasing Resolution (service contract wage provisions, herein referred to as "Living Wage" provisions) are not applicable to this Contract. However, if at any time during the term of this Contract the total amount paid to the Contractor during any twelve-month period equals \$100,000, the Contract shall be subject to such Living Wage provisions and the Contractor shall immediately bring their performance into compliance with those provisions, and shall contact the County Purchasing Agent to obtain specific documents required for proper compliance.

For any contract affected as described above, the County reserves the right at the Subsequent Contract Term, if applicable, to offer an option to the Contractor to modify the Contract Amount to reflect the additional costs associated with compliance with the Living Wage provisions. If the Contractor elects to accept such offer, they must submit the names of all employees who will be affected by the Living Wage provisions, their positions, their wage rates prior to the renewal date, their wage rates in conformance with the Living Wage at the time of renewal, and the change in total direct labor costs as a result of the Living Wage changes. The Contract will not be renewed until this information is submitted for review by the Purchasing Agent. If the County elects to modify the contract to include the Living Wage provisions, the cost of any increase in wages, together with applicable labor burdens will be added to the Contract Amount, in addition to any other increase(s) permitted by the Contract.

56. INSURANCE REQUIREMENTS

Prior to the execution of this Contract and upon any Contract extension thereafter, the Contractor shall provide to the County Purchasing Agent evidence indicating that the Contractor has in force the coverage and

endorsements (collectively referred to hereinafter "coverage", "coverages" or "insurance") required below. The Contractor agrees to maintain such insurance until the completion of this Contract or as otherwise stated below or in the Contract Documents.

All required insurance coverages must be acquired from insurers authorized to do business in the Commonwealth of Virginia, with an A.M. Best rating of "A-VII", and as acceptable to the County. The insurance requirements herein shall not operate as a limitation of the Contractor's liability or as a limitation of the Contractor's duty of indemnification, as set forth in this solicitation and any resulting contract. The Contractor is responsible for determining whether the minimum coverage below are adequate to protect its interest.

The Contractor shall secure and maintain (and ensure that its subcontractors, if any, secure and maintain) all insurance required by law or this Contract, including without limitation:

- a. Workers Compensation - Virginia Statutory Workers Compensation (W/C) coverage including Virginia benefits and employers liability with limits of \$100,000/100,000/500,000. The County will not accept W/C coverage issued by the Injured Worker's Insurance Fund, Towson, MD.
- b. Commercial General Liability - \$1,000,000 combined single limit coverage with \$2,000,000 general aggregate covering all premises and operations and including Personal Injury, Completed Operations, Contractual Liability, Independent Contractors, and Products Liability. The general aggregate limit shall apply to this Contract.
- c. Business Automobile Liability - \$1,000,000 Combined Single Limit (Owned, non-owned and hired).
- d. The Contractor shall carry Errors and Omissions or Professional Liability insurance which will pay for injuries arising out of errors or omissions in the rendering, or failure to render services or perform Work under the Contract, in the amount of \$1,000,000.
- e. Additional Insured - Arlington County, and its officers, elected and appointed officials, employees, and agents shall be named as additional insureds on all policies, except Workers Compensation, Auto, and Professional Liability. A copy of the Additional Insured endorsement, or an "Acord" certificate with the additional insured endorsement box checked for all policies that include an additional insured endorsement, must be provided by the Contractor to the County Purchasing Agent prior to the execution of this Contract and any Contract extension. Failure to provide such documentation shall result in cancellation of the award or of the Contract.

- f. Cancellation - If there is a material change or reduction in coverage, nonrenewal of any insurance coverage or cancellation of any insurance coverage required by this contract, the Contractor shall notify the Purchasing Agent immediately. It is the Contractor's responsibility to notify the County upon receipt of a notice indicating that the policy will not be renewed or will be materially changed. Any policy on which the Contractor has received notification from an insurer that the policy has or will be cancelled or materially changed or reduced must be immediately replaced with another policy consistent with the terms of this Contract and in such a manner that there is no lapse in coverage, and the County immediately notified of the replacement. Not having the required insurance throughout the Contract Term is considered a material breach of this Contract and grounds for termination. The Contractor shall also obtain an endorsement providing to the County thirty (30) days advance notice of cancellation or nonrenewal (ten days for nonpayment of premium. A copy of that endorsement shall be provided to the County Purchasing Agent prior to the execution of this Contract or any Contract extension thereafter.
- g. Any insurance coverage that is placed as a "claims made" policy must remain valid and in force, or the Contractor must obtain an extended reporting endorsement consistent with the terms of this Contract, until the applicable statute of limitations has expired, such date as determined to begin running from the date of the Contractor's receipt of final payment.
- h. Contract Identification - All documentation and copies of endorsements required hereunder shall state this Contract's number and title.
- i. Certificate Holder - The Certificate Holder must be identified as:

The County Board of Arlington County, VA
c/o The Purchasing Agent
2100 Clarendon Boulevard, Suite 500
Arlington, VA 22201

The Contractor must disclose the amount of any deductible or self- insurance component applicable to the General Liability, Automobile Liability, Professional Liability, Intellectual Property or any other policies required herein, if any. The County reserves the right to request additional information to determine if the Contractor has the financial capacity to meet its obligations under a deductible. Thereafter, at its option, the County may require a lower deductible, funds equal to the deductible be placed in escrow, a certificate of self-insurance, collateral, or other mechanism in the amount of the deductible to ensure additional protection for the County.

The Contractor shall require all subcontractors to maintain during the term of this contract, Commercial General Liability insurance, Business Automobile Liability insurance, and Workers' Compensation insurance in the same form and manner as specified for the Contractor. The Contractor shall furnish subcontractors' documentation of coverage and endorsements specified herein to the County Purchasing Agent immediately upon request by the County and/or prior to a subcontractor performing work related to this Contract.

No acceptance or approval of any insurance by the County shall be construed as relieving or excusing the Contractor from any liability or obligation imposed upon the Contractor by the provisions of the Contract Documents.

The Contractor shall be responsible for the work performed under the Contract Documents and every part thereof, and for all materials, tools, equipment, appliances, and property of any description used in connection with the Work. The Contractor assumes all risks for direct and indirect damage or injury to the property or persons used or employed on or in connection with the work contracted for, and of all damage or injury to any person or property wherever located, resulting from any action, omission, commission or operation under the Contract, or in connection in any way whatsoever with the contracted work.

The Contractor shall be as fully responsible to the County for the acts and omissions of its subcontractors and of persons employed by them as it is for acts and omissions of persons directly employed by it.

Notwithstanding any of the above, the Contractor may satisfy its obligations under this section by means of self insurance for all or any part of the insurance required, provided that the Contractor can demonstrate financial capacity, the alternative coverage(s) are submitted to and acceptable to the County and the terms additional endorsements required hereunder are met to the satisfaction of the County Purchasing Agent or Risk Manager. The Contractor must provide its most recent actuarial report and provide a copy of its self-insurance resolution to determine the adequacy and security of the insurance funding.

IV. ATTACHMENTS AND FORMS

ARLINGTON COUNTY, VIRGINIA
OFFICE OF THE PURCHASING AGENT
INVITATION TO BID NO. 634-14

BID FORM

SUBMIT TWO (2) FULLY-COMPLETED AND SIGNED BID FORMS TO THE OFFICE OF THE BID CLERK, SUITE 511, 2100 CLARENDON BLVD., ARLINGTON, VIRGINIA 22201 (ONE FORM SHALL CONTAIN AN ORIGINAL LONGHAND SIGNATURE; THE OTHER SHALL BE A PHOTOCOPY OF THE SIGNED ORIGINAL)

BIDS WILL BE OPENED AT 2:30 P.M., JUNE 19, 2014

FOR PROVIDING THE APPLICATION OF HERBICIDE/PESTICIDE, WEED CONTROL AND GRANULAR FERTILIZER PER THE TERMS, CONDITIONS AND SPECIFICATIONS OF THIS SOLICITATION

THE UNDERSIGNED UNDERSTANDS AND ACKNOWLEDGES THE FOLLOWING:

THE OFFICIAL, TRUE, AND COMPLETE COPY OF THE SOLICITATION DOCUMENTS, WHICH SHALL INCLUDE ALL AMENDMENTS THERETO, IS THE ELECTRONIC COPY OF THE SOLICITATION DOCUMENTS PROVIDED AT THE COUNTY'S WEBSITE ([HTTP://BUDGET.ARLINGTONVA.US/PURCHASING](http://budget.arlingtonva.us/purchasing)).

EACH BIDDER IS RESPONSIBLE FOR DETERMINING THE ACCURACY AND COMPLETENESS OF ALL SOLICITATION DOCUMENTS THEY RECEIVE, INCLUDING DOCUMENTS OBTAINED FROM THE COUNTY AND DOCUMENTS OBTAINED FROM ALL OTHER SOURCES.

The undersigned certifies that (Bidder Name) _____ is currently registered with the Virginia State Board of Contractors as required by the Code of Virginia. Certificate Number _____ for a Class _____ License was issued on the _____ day of _____, 20____. The undersigned further certifies that the registration fee and all renewal fees required under law have been paid. The Contractor agrees to furnish all necessary labor, equipment, materials, and all things necessary to perform the work as set forth in accordance with the plans and specifications at the following prices: (All prices include provision and installation).

The undersigned acknowledges receipt of the following amendments:

AMENDMENT NO. 1 DATE: _____ INITIAL: _____

AMENDMENT NO. 2 DATE: _____ INITIAL: _____

AMENDMENT NO. 3 DATE: _____ INITIAL: _____

BIDDER NAME: _____

BID FORM, PAGE 2 OF 10

PROVIDING THE APPLICATION OF HERBICIDE/PESTICIDE, WEED CONTROL AND GRANULAR FERTILIZIER

1. CREW AND EQUIPMENT COSTS: COSTS SHALL INCLUDE ALL EXPENSES OF PROVIDING THE SERVICE DESCRIBED IN THE SPECIFICATION. (LABOR, EQUIPMENT, SUPERVISION, ADMINISTRATIVE COSTS AND ALL THINGS NECESSARY TO PROVIDE THE SERVICES REQUIRED)

A. FULL CREW AND EQUIPMENT FOR:

EIGHT HOUR WORK DAY	\$	PER DAY
TEN HOUR WORK DAY	\$	PER DAY
40 HOUR WORK WEEK (COMBINING AND PRO-RATING, IF REQUIRED, EITHER OF THE ABOVE)	\$	PER 40 HOUR WORK WEEK

B. REDUCED CREW AND EQUIPMENT FOR:

EIGHT HOUR WORK DAY	\$	PER DAY
TEN HOUR WORK DAY	\$	PER DAY
40 HOUR WORK WEEK (COMBINING AND PRO-RATING, IF REQUIRED, EITHER OF THE ABOVE)	\$	PER 40 HOUR WORK WEEK

C. BACKPACK CREW FOR (MAY BE AWARDED SEPARATELY)

EIGHT HOUR WORK DAY	\$	PER DAY
TEN HOUR WORK DAY	\$	PER DAY
40 HOUR WORK WEEK (COMBINING AND PRO-RATING, IF REQUIRED, EITHER OF THE ABOVE)	\$	PER 40 HOUR WORK WEEK

BIDDER NAME: _____

BID FORM PAGE 3 OF 10

2. CONTRACTOR CHARGE FOR CHEMICALS (HERBICIDES, WETTING AGENTS AND SPREADER-STICKERS) PROPOSED TO BE USED. PRICES SHALL BE FIRM FOR CONTRACT DURATION.

A. REQUIRED HERBICIDES AND CHEMICALS

CHEMICAL NAME	RATE PER GALLAON/LBS
ROUNDUP PRO	\$
PRAMITOL	\$
RODEO	\$
WETTING AGENTS	\$
SPREADER-STICKERS	\$
TRIMEC 959	\$
BARRICADE	\$
24 - 18 - 12 (GRANULAR)	\$ /50 LBS
SULFUR COATED UREA (GRANULAR)	\$ /50 LBS

B. OTHER HERBICIDES AND CHEMICALS USED BY THE CONTRACTOR AND PROPOSED FOR THE COUNTY'S CONSIDERATION. THE COUNTY RESERVES THE RIGHT TO REQUIRE USE OF THE ABOVE SPECIFIED CHEMICALS IF THE FOLLOWING ARE UNACCEPTABLE TO THE COUNTY. THE BIDDER IS ADVISED THAT THE USE OF PARAQUAT IN THE COUNTY IS PROHIBITED.

CHEMICAL NAME	RATE PER GALLAON/LBS
	\$ PER _____
	\$ PER _____
	\$ PER _____
	\$ PER _____
	\$ PER _____

BIDDER NAME: _____

BID FORM, PAGE 4 OF 10

4. ATHLETIC FIELDS - Nutrient Management Plan

Contractors cost for providing Nutrient Management Plan. Cost shall include all expenses of providing the service described in the specifications, (labor, equipment, Supervision, Administrative costs and all thing necessary to provide the service required) Prices shall be firm for the contract duration.

<u>NAME OF FIELD</u>	<u>ACREAGE</u>	<u>COST</u>
<u>RECTANGULAR FIELDS</u>		
Bluemont Junction	1.11	
Eads St. Park	1	
Gunston Park #3	1.29	
H. B. Woodlawn School	1.37	
Kenmore School	2.01	
Swanson School	1.02	
Thomas Jefferson School	1.33	
Virgin Highlands #2	1.19	
Williamsburg School #1	5.72	
<u>DIAMOND FIELDS</u>		
Barcroft Park #1, 2, 3 & 4	2.95	
Carver	1.46	
Greenbrier	2.4	
Gunston #1	1.41	
Jamestown School (back)	1.32	
Jamestown School (front)	1.08	
Jennie Dean Park #1 & 2	1.69	
Madison Manor Park	2.42	
Quincy Park #1	1.85	
Quincy Park #3	1.14	
Virginia Highlands #3	1.24	
Virginia Highlands #4	1.15	
Washington Lee School	1.79	
Athletic Fields- Nutrient Management Plan TOTAL		

BIDDER NAME: _____

TRADE SECRETS OR PROPRIETARY INFORMATION:

Trade secrets or proprietary information submitted by an bidder in connection with a procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act. However, Section 4-111 of the Arlington County Purchasing Resolution states that the bidder must invoke the protection of this section prior to or upon submission of the data or other materials, and must identify the data or other materials to be protected and state the reasons why protection is necessary.

Please mark one:

- () No, the bid I have submitted does not contain any trade secrets and/or proprietary information.
- () Yes, the bid I have submitted does contain trade secrets and/or proprietary information.

If Yes, you must clearly identify below the exact data or other materials to be protected and list all applicable page numbers of the bid containing such data or materials:

State the specific reason(s) why protection is necessary:

If you fail to identify the data or other materials to be protected and state the reasons why protection is necessary in the space provided above, you will not have invoked the protection of Section 4-111 of the Purchasing Resolution. Accordingly, effective upon the award of contract, the bid will be open for public inspection consistent with applicable law.

BIDDER NAME: _____

BID FORM, PAGE 6 OF 10

CERTIFICATION OF NON-COLLUSION: The undersigned certifies that this bid is not the result of, or affected by, any act of collusion with another person (as defined in the Code of Virginia § 59.1-68.6 et seq.), engaged in the same line of business or commerce; or any act of fraud punishable under the Virginia Governmental Frauds Act (Code of Virginia § 18.2-498.1 et seq.).

CERTIFICATION OF UNDERSTANDING OF THE CONTRACT DOCUMENTS: The undersigned affirms that he has carefully examined all of the Solicitation Documents and that there are no erroneous, contradictory, incomplete or infeasible requirements or directions apparent in the Bid. The undersigned agrees to waive any claims in any way associated with any such erroneous, contradictory, incomplete or infeasible requirements or directions unless such requirements could only reasonably be uncovered during the course of the Work.

CONTACT PERSON AND MAILING ADDRESS FOR DELIVERY OF NOTICES

Provide the name and address of the person designated by the Bidder to receive notices and other communications (Refer to section headed Notices in the Contract Terms and Conditions of this solicitation for further details):

NAME: _____

ADDRESS: _____

E-MAIL: _____

THE PROPER LEGAL NAME OF THE FIRM OR ENTITY SUBMITTING THIS BID MUST BE WRITTEN IN THE SPACE PROVIDED BELOW. THIS BID FORM, AND ALL OTHER DOCUMENTS REQUIRED BY THE INVITATION TO BID TO BE SUBMITTED WITH THIS BID FORM, INCLUDING, BUT NOT LIMITED TO ALL ISSUED AMENDMENTS, MUST BE FULLY AND ACCURATELY COMPLETED AND SIGNED BELOW BY A PERSON AUTHORIZED TO LEGALLY BIND THE BIDDER, OR THE BID MAY BE REJECTED:

AUTHORIZED SIGNATURE _____

PRINT NAME AND TITLE _____

BIDDER NAME: _____

BID FORM, PAGE 7 OF 10

INDICATE THE NAME AND CONTACT INFORMATION OF THE PERSON WHO CAN RESPOND AUTHORITATIVELY TO ANY QUESTIONS REGARDING THIS BID (I.E. PROJECT MANAGER):

NAME (PRINTED): _____ TEL. NO.: _____

E-MAIL ADDRESS: _____ FAX. NO.: _____

SUBMITTED BY: (LEGAL NAME OF ENTITY)			
ADDRESS:			
CITY/STATE/ZIP:			
TELEPHONE NO:		FACSIMILE NO.:	
		VA. CONTRACTOR LICENSE #:	
THIS FIRM IS A: • INSERT NAME OF STATE _____ ___ CORPORATION, ___ GENERAL PARTNERSHIP, ___ LIMITED PARTNERSHIP, ___ UNINCORPORATED ASSOCIATION, ___ LIMITED LIABILITY COMPANY, ___ SOLE PROPRIETORSHIP			
IS FIRM AUTHORIZED TO TRANSACT BUSINESS IN THE COMMONWEALTH OF VA?			
IDENTIFICATION NO. ISSUED TO THE FIRM BY THE SCC:			
ANY BIDDER EXEMPT FROM SCC AUTHORIZATION REQUIREMENT SHALL INCLUDE A STATEMENT WITH ITS BID WHY THEY ARE NOT REQUIRED TO BE SO AUTHORIZED			
IS YOUR FIRM OR ANY OF ITS PRINCIPALS CURRENTLY DEBARRED FROM SUBMITTING BIDS TO ARLINGTON COUNTY, VIRGINIA, OR ANY OTHER STATE OR POLITICAL SUBDIVISION?			
BIDDER STATUS:	MINORITY OWNED:	WOMAN OWNED:	NEITHER:

INSURANCE CHECKLIST

CERTIFICATE OF INSURANCE MUST SHOW ALL COVERAGE AND ENDORSEMENTS MARKED "X".

COVERAGES REQUIRED

COVERAGE MINIMUM(S)

- 1. Workers' Compensation Statutory limits of Virginia
- 2. Employer's Liability \$100,000 accident, \$100,000 disease,
\$500,000 disease policy limit
- 3. Commercial General Liability \$1,000,000 CSL BI/PD each occurrence,
\$2 Million annual aggregate
- 4. Premises/Operations \$500,000 CSL BI/PD each occurrence,
\$1 Million annual aggregate
- 5. Automobile Liability \$1 Million BI/PD each accident, Uninsured Motorist
- 6. Owned/Hired/Non-Owned Vehicles \$1 Million BI/PD each accident,
Uninsured Motorist
- 7. Independent Contractors \$500,000 CSL BI/PD each occurrence,
\$1 Million annual aggregate
- 8. Products Liability \$500,000 CSL BI/PD each occurrence,
\$1 Million annual aggregate
- 9. Completed Operations \$500,000 CSL BI/PD each occurrence,
\$1 Million annual aggregate
- 10. Contractual Liability (Must be shown on Certificate) \$500,000 CSL BI/PD
each occurrence, \$1 Million annual aggregate
- 11. Personal and Advertising Injury Liability. \$1 Million each offense,
\$1 Million annual aggregate
- 12. Umbrella Liability \$1 Million Bodily Injury, Property Damage and Personal Injury
- 13. Per Project Aggregate
- 14. Professional Liability
 - a. Architects and Engineers..... \$1 Million per occurrence/claim
 - b. Asbestos Removal Liability..... \$2 Million per occurrence/claim
 - c. Medical Malpractice..... \$1 Million per occurrence/claim
 - d. Medical Professional Liability..... \$ Limits as set forth
in Virginia Code 8.01.581.15
- 15. Miscellaneous E&O \$1 Million per occurrence/claim
- 16. Motor Carrier Act End. (MCS-90)\$1 Million BI/PD each accident, Uninsured Motorist
- 17. Motor Cargo Insurance
- 18. Garage Liability \$1 Million Bodily Injury, Property Damage per occurrence
- 19. Garagekeepers Liability \$500,000 Comprehensive, \$500,000 Collision
- 20. Inland Marine-Bailee's Insurance \$ _____
- 21. Moving and Rigging Floater Endorsement to CGL
- 22. Crime and Employee Dishonesty Coverage \$ _____
- 23. Builder's Risk Provide Coverage in the full amount of Contract,
including any amendments
- 24. XCU Coverage Endorsement to CGL
- 25. USL&H Federal Statutory Limits
- 26. Carrier Rating shall be A.M. Best Co.'s Rating of A-VII or better or equivalent
- 27. Notice of Cancellation, nonrenewal or material change in coverage shall be
provided to County at least 30 days prior to action.
- 28. The County shall be an Additional Insured on all policies except Workers
Compensation and Auto and Professional Liability.
- 29. Certificate of Insurance shall show Bid Number and Bid Title.
- 30. OTHER INSURANCE REQUIRED: _____

INSURANCE AGENT'S STATEMENT:

I have reviewed the above requirements with the bidder named below and have advised the bidder of required coverages not provided through this agency.

AGENCY NAME: _____

AUTH. SIGNATURE: _____

BIDDER'S STATEMENT:

If awarded the Contract, I will comply with all Contract insurance requirements.

BIDDER NAME: _____

AUTH. SIGNATURE: _____

INVITATION TO BID NO. 634-14
Metropolitan Washington Council of Governments (COG)
Rider Clause

**PERTAINING TO THE USE OF CONTRACT(S) BY MEMBERS OF THE METROPOLITAN
WASHINGTON COUNCIL OF GOVERNMENTS PURCHASING OFFICERS' COMMITTEE**

- A. If authorized by the bidder(s), resultant contract(s) will be extended to any or all of the listed members as designated by the bidder to purchase at contract prices in accordance with contract terms.
- B. Any member utilizing such contract(s) will place its own order(s) directly with the successful contractor. There shall be no obligation on the part of any participating member to utilize the contract(s).
- C. A negative reply will not adversely affect consideration of a bidder's bid/proposal.
- D. It is the awarded vendor's responsibility to notify the members shown below of the availability of the Contract(s).
- E. Each participating jurisdiction has the option of executing a separate contract with the awardee. Contracts entered into with a participating jurisdiction may contain general terms and conditions unique to that jurisdiction including, by way of illustration and not limitation, clauses covering minority participation, non-discrimination, indemnification, naming the jurisdiction as an additional insured under any required Comprehensive General Liability policies, and venue. If, when preparing such a contract, the general terms and conditions of a jurisdiction are unacceptable to the awardee, the awardee may withdraw its extension of the award to that jurisdiction.
- F. The issuing jurisdiction shall not be held liable for any costs or damages incurred by another jurisdiction as a result of any award extended to that jurisdiction by the awardee.

Continued on next page

(EXHIBIT A)

LIVING WAGE FORMS

WAGE NOTICE
THE HOURLY RATE FOR EMPLOYEES OF CERTAIN ARLINGTON
COUNTY SERVICE CONTRACTORS WORKING ON COUNTY-
OWNED OR COUNTY-OCCUPIED PROPERTY SHALL NOT BE
LOWER THAN

\$13.13 PER HOUR

REFERENCE: ARLINGTON COUNTY PURCHASING RESOLUTION SECT. 4-103

FOR INFORMATION CONTACT:

ARLINGTON COUNTY
OFFICE OF THE PURCHASING AGENT
2100 CLARENDON BOULEVARD, SUITE 500
ARLINGTON, VA 22201
703-228-3410

AVISO de SALARIO MINIMO

EL SALARIO MINIMO POR HORA PARA LOS EMPLEADOS DE ALGUNOS CONTRATISTAS QUE TRABAJAN EN UNA PROPIEDAD O BIEN INMUEBLE del GOBIERNO DEL CONDADO de ARLINGTON O CUALQUIER OTRA PROPIEDAD QUE SEA HABITADA/OCUPADA POR OFICINAS DEL GOBIERNO DEL CONDADO DE ARLINGTON SE HA ESTABLECIDO QUE EL SALARIO MINIMO SERÁ DE:

\$13.13 POR HORA

REFERENCIA: SECCION 4-103, DE LA RESOLUCION DE LA OFICINA DEL AGENTE DE COMPRAS DEL CONDADO DE ARLINGTON. (ARLINGTON COUNTY PURCHASING RESOLUTION SECTION 4-103)

PARA MAS INFORMACIÓN SIRVASE LLAMAR A:

LA OFICINA DEL AGENTE DE COMPRAS DEL CONDADO DE ARLINGTON. 703-228-3410.

PARA INFORMACION EN PERSONA DIRIJASE A:

**2100 CLARENDON BOULEVARD, OFFICINA No 500
ARLINGTON, VA 22201**



Managing nutrients on public lands

An urban nutrient management plan determines the amount, placement, timing and application of fertilizer — or other materials containing plant nutrients — in order to reduce nutrient loss to the environment and to produce quality turf and landscape plants.

Nutrient management is one solution to the nutrient pollution problem that causes algae overgrowth and “dead zones” in many waterways, including the Chesapeake Bay.

Urban nutrient management plans are site-specific and begin with a soil test from an approved lab. The soil test provides agronomic and environmentally sound recommendations for applying nutrients to turfgrass. Although most plans are developed on a voluntary basis, there are situations where developing and following an urban nutrient management plan is mandatory.

The regulations that govern the Virginia Department of Conservation and Recreation’s Nutrient Management Program are incorporated into several pieces of state code and permit requirements. Nutrient management plans are mandatory for the following urban lands.

- All golf courses by 2017
- All Virginia state-owned lands
- All publicly owned land that is fertilized, more than one acre and within a Municipal Separate Storm Sewer System (MS4) permit area

Who’s responsible

Publicly owned land is typically maintained by locality grounds maintenance staff or other turfgrass professionals, but an organization that leases or has an agreement to use public space, particularly athletic fields, may also be responsible for some aspect of maintenance. If an organization is expected or allowed to fertilize a public area, it must do so according to a nutrient management plan.

Fertilization of athletic fields (especially with nitrogen) may be necessary to help trafficked turf recover and keep the playing surface safe for future uses.

How to obtain a plan

Nutrient management plans must be written by certified planners. Planners know the regulations and will help you navigate what is allowed and what is not. If you need a plan, check out DCR’s online planner directory and look for a planner certified in the turf and landscape (T&L) category. DCR manages the certification program.

Reminders

Nutrient management plans are mandatory in some situations and are subject to verification or “ground truthing.” Because of this, all fertilization records should be kept and provided to your planner if requested. Each plan should have blank record sheets so that you can log your applications. If your plan doesn’t have blank sheets, ask your planner to provide some.

Plans are typically valid for three to five years. Work with your planner and keep your plan current by having it revised before the expiration date.





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HOME PARENTS STUDENTS COMMUNITY EMPLOYEES SCHOOLS & CENTERS ACADEMICS & PROGRAMS SCHOOL BOARD ADMINISTRATION

Home > Administration > Facilities & Transportation Services > Administrative Services > Community Use of School Facilities > **Friend of the Field & Gym Programs**

Friend of the Field and Gym Community Programs

About the Programs

These are cooperative ventures between and among interested athletic organizations, Fairfax County Neighborhood and Community Services (NCS), and Fairfax County Public Schools (FCPS). The programs allow athletic organizations to provide maintenance and improve facilities such that athletic conditions are up to the competitive standards of the organization(s) adopting it. The programs assurance that during the useful life of their investment, "friends" will be allowed continued use of the facility. Friends do not have exclusive use. This partnership helps protect the School Board's investment and improve facilities for all county residents.

Program Resources

- [Guidelines for Community Requests for Improvements & Maintenance to FCPS Facilities](#)

Friend of the Field

- [About the Program](#)
- [Application](#)
- [Agreement](#)
- [Program Maintenance Plan](#)
- [Nutrient Management](#)

Friend of the Gym

- [About the Program](#)
- [Application](#)
- [Agreement](#)



Quick Links

[Booster Club & PTA/PTO Managed, Fee-Based Classes, Clinics, Leagues and Youth Camps](#)

[Community Use School Contacts](#)

[Contact Us](#)

[Fact Sheets](#)

[Fees](#)

[Frequently Asked Questions](#)

[Hours](#)

[Religious and Cultural Organizations](#)

Webpage Curator

Lea Ann Deyarmin
ledeyarmin@fcps.edu

Last Updated

June 25, 2015

FAIRFAX COUNTY PUBLIC SCHOOLS FRIEND OF THE FIELD PROGRAM

PROGRAM INFORMATION

The “Friend of the Field” program is a cooperative venture between and among interested athletic organizations, the Fairfax County Public Schools (FCPS), and Fairfax County Neighborhood and Community Services (NCS)

FCPS playing fields frequently do not meet the conditions desired for the level of competitive athletics being played on them by some community groups. Many athletic organizations want to provide facility improvements and maintenance activities, but are reluctant to do so without some assurance that during the useful life of their investment they will be allowed continued use of the facility, but not exclusive use.

It is desirable to establish a program that encourages a partnership involving the athletic organizations that use school system fields, NCS which schedules their use, and the School Board which owns the fields. Athletic organizations organize and conduct activities for County residents, and have improved the quality of the athletic fields in a number of instances. This partnership would help protect the School Board's investment and improve facilities for County residents.

WHO BENEFITS

Everyone! By assuming these responsibilities, athletic groups develop a sense of pride in the facilities and the organization. They also develop a better understanding of athletic field care, and as a result can create playing fields of the highest quality. The schools benefit by having fields of better quality for their physical education programs.

THINGS YOU SHOULD KNOW

- Athletic organizations may “adopt” fields at the locations to which they have been assigned by NCS, which will continue to assign fields and times according to its established procedures. The organization will be given the first opportunity to apply for additional time slots that become available on fields that the organization has already adopted. Under no circumstances will an organization receive exclusive use of a FCPS field.
- All maintenance operations must be in accordance with adopted Fairfax County Public Schools maintenance standards.
- Adoption periods are for two years and may be renewed provided the athletic organization is in compliance with the terms of the agreement. Changes in the name or title of the organization's authorized representative must be communicated to FCPS within one week of the effective change date. Organizations must sign renewal agreement 60 days prior to the expiration of their current Friend of the Field agreement.
- The adopting organization assumes all liabilities and is responsible for damage or injuries resulting from improper maintenance.

- The “Friend of the Field” program is a maintenance agreement and entitles participants to perform only authorized maintenance activities.
- **No additions or changes to the school field facilities may be done by adopting organizations without a written request sent to NCS. NCS will work with the school principal and FCPS Office of Design and Construction on approval of any improvements.**
- Call the FCPS Community Use Section (571-423-2340), if you have questions.

STEPS IN BECOMING A “FRIEND OF THE FIELD”

- Review the “Friend of the Field” agreement that is provided on the community use website. The agreement contains terms, conditions and restrictions, including the maintenance standards to which the applicant must agree to adhere.
- Submit a “Friend of the Field” application to FCPS Community Use Section.
- FCPS will review and forward the application to NCS for approval.
- FCPS will initiate an on-site meeting with the school principal, officials of the adopting organization, NCS and FCPS personnel to discuss details of the proposed field adoption.
- If the applicant is in agreement to the terms of the program, the “Friend of the Field” Agreement will be signed by the attendees and copies will be distributed.

**FAIRFAX COUNTY PUBLIC SCHOOLS
"FRIEND OF THE FIELD" AGREEMENT**

I. Purpose

This agreement between and among signator athletic organization(s) _____ Signator(s) dated _____ for _____; the Department of Facilities and Transportation Services of the Fairfax County Public Schools (FCPS); and Fairfax County Neighborhood and Community Services (NCS) establishes the roles and the administrative procedures for a cooperative partnership to improve the athletic facilities and condition of playing fields. Through this Agreement, the Signator will utilize volunteer labor, in-kind goods or services, and/or financial support to assist the Fairfax County School Board in improving the overall effectiveness and quality of maintenance of school system fields.

II. The Department of Facilities and Transportation Services, Community Use Section agrees to:

- A. Accept general administrative and oversight responsibility for "Friends of the Field" including new agreements, renewals and general inquiries.
- B. Provide "rental free" clinics and camps on the adopted field, provided space is available.
- C. Provide commission-free opportunities for concession sales. (This does not waive requirements for school approval or necessary permits for concession sales.)

III. The Department of Facilities and Transportation Services Office of Facilities Management agrees to:

- A. Work with the Signator(s) to create an appropriate maintenance plan for the field(s) to be adopted.
- B. Review projects proposed by the Signator(s).
- C. Provide periodic inspection and evaluation of the fields.

IV. The Signator(s) agree(s) to:

- A. Maintain the field(s) according to the maintenance plan set forth in Paragraph VI, below.
- B. Monitor the use of the field and report any abusive activities to NCS immediately. (Abusive activities can range from vandalism to field damage caused by use during inclement weather.)
- C. Notify FCPS Community Use Section (CUS) of any changes to the name or contact information or title of the organization or the organization's authorized representative within one week of the effective change date.
- D. Submit to NCS any proposals for additions or changes to structure or grounds for review and approval.
- E. If approved for a non-FCPS outdoor storage building, abide by Regulation 8624, Section VI.A.2: All non-FCPS outdoor storage buildings shall be secured by the 3456 Master padlock or a Schlage padlock accessible via the Grand Master key. In the event access

is not readily obtainable during an inspection, OSS staff members may forcibly remove any lock found on these buildings and replace it with an FCPS padlock. The burden of replacement costs would be assessed to the league owning the shed.

- F. Abide by all NCS policies regarding field use, including, but not limited to, the Field Allocation Policy and the Application Fee Policy.
- G. Provide an annual report to FCPS detailing the annual maintenance and other work performed on the field, including the cost of each activity.

V. The Department of Neighborhood and Community Services (NCS) agrees to:

- A. Give participating Signator(s) the first right of scheduling on the field, in accordance with the Field Allocation Policy, and subject to community use needs. **Signator will not be granted exclusive use of FCPS fields or guaranteed allocation.**
- B. Accept proposals from the Signator for changes or improvements to structures or grounds and coordinate review with the FCPS Office of Maintenance Services, and the Office of Design and Construction.
- C. Investigate abusive activities and report findings and proposed follow-up to the Signators.

VI. Maintenance Agreement

- A. This agreement authorizes the Signator to accept and perform the agreed-to maintenance functions at _____ for the field(s) listed below.

Type of field

Field number

- B. As part of this Agreement, the Signator fully recognizes and accepts the following conditions:

1. No chemical herbicides, fungicides or pesticides may be used.
2. No equipment will be provided by FCPS.
3. No additions or changes to any school property may be made by the Signator without a written request to and approval by FCPS. See Paragraph VII, below, for clarification.
4. The Signator will be responsible for returning to its original condition any property that is damaged as a result of its actions.
5. The Signator accepts full responsibility for all damages and injuries that might result from its actions or negligence. FCPS will not be responsible for any claims of property losses or personal injury.
6. The Signator will abide by all FCPS field use regulations, including those regarding the proper storage and security of portable goals.

C. The Signator shall accept full responsibility for providing maintenance in accordance with FCPS maintenance standards as described below.

1. Nutrient/Fertilizer Application - (Performed according to frequency as indicated in the Nutrient Management Plan)
For contiguous fields of one acre or larger, no nutrients may be applied unless a Nutrient Management Plan has been completed and submitted to FCPS CUS within 6 months of the effective date of this agreement. CUS will forward the plan for approval to FCPS Office of Facilities Management. Nutrient Management Plans must be developed by a certified nutrient management planner in accordance with § 10.1-104.2 Code of Virginia. This is a requirement of FCPS Municipal Separate Storm Sewer System (MS4) Permit Issued by the State.
2. Turf Maintenance – (Performed according to frequency as indicated)
When over seeding (spring and fall), use a mix of 70% fescue and 30% rye. This work is typically completed during March-April, and October-November. Perennial ryegrass is preferable for the highest quality turf. 10 to 20 pounds per 1000 square feet are recommended for golf and sports turf applications. Some surface preparation (scalping or light vertical mowing) of the warm-season turf will enhance over seeding establishment by promoting seed-to-soil contact.
3. Field Setup – (Performed once a year and as needed)
This includes the installation of home plate and bases on diamond fields. Break-away bases are recommended for use on all diamond fields.
4. Mowing - (Performed weekly during peak mowing season)
All field areas are to be mowed. All edging and trimming are to be completed at the same time mowing operations take place. This includes surrounding fences and bleacher areas. Grass is not to be cut below 2.5 inches. Fairfax County Park Authority also mows the field approximately 24 times per year.
5. Warning Tracks - (Performed once a year as needed)
Warning tracks are to be raked to re-establish the edge, adding new gravel dust if necessary.
6. Infields (Baseball/Softball) – (Performed once a year and as needed)
Skin infield and build up pitcher's mound to league specifications. Initially, remove weeds and grass from infields. Add to the scraped areas appropriate amount and mix of infield sand/clay or other materials approved by FCPS Grounds department.
7. Infield Lining (Baseball/Softball) - (Optional)
Infield lining frequency is at Signator's discretion.
8. Raking or Dragging of Infields (Baseball/Softball) - (Performed with each use)
Skinned infields and base paths require daily maintenance. Raking and removing rocks and other unwanted materials is essential for safe playing conditions. Home plate and base areas must be filled and graded at the conclusion of each game or series.
9. Litter Pick-up - (Performed with each use)
Litter control is a daily activity that must be performed to maintain the fields' aesthetic quality. All field, spectator, and parking areas are to be free of litter and

debris. All discarded materials are to be deposited in lined trashcans and will be discarded in the dumpster after each use. (Each user is responsible for supplying their own trashcan liners/bags.)

10. Fences - (Performed with each use)

Inspect and report broken and potentially hazardous fences and backstops to school principal, who will contact the Work Order Section. Installation of windscreens must be approved by FCPS Office of Facilities Management.

11. Irrigation and Lighting System Maintenance

If an irrigation system is present, all requests for repairs are to be directed to the school principal, who will contact the Work Order Section.

D. Upon request and within its capabilities, FCPS Grounds department agrees to provide expertise and technical assistance to the Signator.

VII. **Field Closures**

A. FCPS reserves the right to close fields at any time due to maintenance or construction needs. If FCPS work will alter the fields in any way, FCPS will notify the signator prior to designing the new field layout and amenities.

B. In the spring season, the signator may request (in writing, to NCS) that the field(s) remain closed until the last Saturday in March. In the fall season, groups may request that fields close on the Sunday after the third Saturday in November¹.

OPTION 1: The signator, FCPS, and NCS will work to identify possible alternative sites for high schools using the field(s) for practice.

OPTION 2: High schools using the fields for practices will abide by such closures unless the field is adjacent to their campus or there are no other suitable (e.g., comparable in location, size, quality, and amenities) fields in the area.

OPTION 3: Come up with something yourself.

In all cases, the school's physical education classes, recess, and other activities will be exempted from such closures, unless agreed to by the principal.

The final decisions will be made by NCS and FCPS and will be based on community use needs and available fields.

C. The signator may request (in writing, to NCS) that field(s) be closed if signator-initiated repair or maintenance work is being performed.

OPTION 1: The signator, FCPS, and NCS will work to identify possible alternative sites for high schools using the field(s) for practice.

¹ These dates correspond to the Fairfax County Park Authority opening and closing dates for "Level 2" and "Level 3" fields, which are all grass fields except those with both lights and irrigation.

OPTION 2: High schools using the fields for practices will abide by such closures unless the field is adjacent to their campus or there are no other suitable (e.g., comparable in location, size, quality, and amenities) fields in the area.

OPTION 3: Come up with something yourself.

In all cases, the school's physical education classes, recess, and other activities will be exempted from such closures, unless agreed to by the principal.

The final decisions will be made by NCS and FCPS and will be based on community use needs and available fields.

- D. The signator may close the field(s) due to inclement weather only if they participate in the "field closure sign" process:
1. The signator will pay for the purchase and installation of field closed signs, which will be bought and installed by NCS and/or FCPS.
 2. If the signator closes the field due to inclement weather, the signator will "flip" the sign to indicate the field is closed. The signator also must indicate the closure on their field hotline. Information regarding the signage and field hotline will be placed on all NCS permits for the field so that all other user groups assigned to the field will be aware.
 3. If FCPS closes all school fields, the signator will "flip" the sign and indicate the closure on their field hotline.
 4. FCPS activities will be exempted from such closures.
 5. The signator must exercise good judgment in determining field playability. Examples of violations of this clause include:
 - a. Closing the field when nearby, comparable Park Authority fields have not been closed.
 - b. The signator using the field despite having closed it.
 - c. Closing the field when conditions should allow for play.

VIII. What This Agreement Does Not Cover

This agreement covers only the field maintenance activities described in Paragraph VI, above. It does not extend to improvement projects such as installing fences, dugouts, team benches, storage buildings, scoreboards, lighting-portable/temporary or permanent, and irrigation. Proposals for these types of projects must follow the procedures outlined in FCPS Regulation 8579 (Athletic Fields and Equipment-- Installation, Modification, and Relocation) and Regulation 8270 (Capital Outlay and Facilities Improvements).

IX. Term of Agreement

This agreement becomes effective on the date of signature by all involved parties and shall continue for two (2) years from _____ through _____. It may be modified at any time upon written mutual consent of the parties, and it may be terminated by any of the parties giving a 30-day advance written notice to the other parties. Renewal of this agreement will be automatic, provided that the Signator is in compliance with the terms of the agreement. Signator organization must sign renewal agreement at least 60 days prior to the expiration of the current agreement. Proper maintenance of the field(s) according to the maintenance schedule will be the primary criterion for renewal.

Principal Date_____

Coordinator, Community Use of Facilities, FCPS Date_____
Department of Facilities and Transportation Services

Grounds Section Designee, FCPS Date_____
Department of Facilities and Transportation Services

Director or Designee Date_____
Fairfax County Department of Neighborhood and
Community Services

President or Designee, Athletic Organization Date_____

*Revised 6/09
Updated NCS 9/10
Updated Key lang IV.E. 6/13
Updated MS4 lang. 6/15*

**FAIRFAX COUNTY PUBLIC SCHOOLS
FRIEND-OF-THE-FIELD APPLICATION**

(Please print or type)

Name of Organization: _____

Name and Title of Authorized Representative: _____

Address: _____ Home Phone Number: (____) _____

_____ Work Phone Number: (____) _____

Email: _____

Name of School: _____

Field type (please check one): Rectangular _____ Diamond _____ Field Number (s): _____

Will Nutrients be applied (please check one)? Yes _____ No _____

Is the field one acre or larger (please check one)? Yes _____ No _____

If "yes" to both, a Nutrient Management Plan (NMP) must be developed by a certified nutrient management planner in accordance with § 10.1-104.2 Code of Virginia. NMPs must be submitted to the FCPS Community Use Section (CUS) within 6 months of the effective date of this agreement. CUS will forward the plan for approval to FCPS Facilities Maintenance Infrastructure and Environmental Engineering Section.

Period of Adoption: _____ to _____

Signature of Organization President: _____ Date: _____

=====

INSTRUCTIONS

Name of Organization – Provide the name of the applicant league or organization responsible for fulfilling all "Friend of the Field" requirements.

Name and Title of Authorized Representative – Provide the name of the league or organization representative serving as the contact person for the program. Changes should be reported to FCPS Community Use Section.

Address - Provide the address where all correspondence regarding the "Friend of the Field" should be sent.

Phone Number – Provide the phone number(s) of the authorized representative.

Name of School – Provide the name of the school where the fields you wish to adopt are located. A separate agreement is required for each school adopted

Field Type – Check the type(s) of field you wish to adopt. If more than one field is to be adopted, place the amount of fields on the line next to the appropriate field type (e.g., Rectangular 2).

Field Number(s) – All fields are numbered. Please provide the field number for all fields you wish to adopt. If you cannot determine the field number, call Fairfax County Neighborhood and Community Services (NCS) at 703-324-5533.

Period of Adoption - Provide the time period of the proposed field adoption. Note: Adoption period is two (2) years and may be renewed, provided the organization is in compliance with terms of the agreement.

Send completed application to:

Fairfax County Public Schools
Community Use Section
8115 Gatehouse Road, Suite 3200
Falls Church, VA 22042

For more information, call: 571-423-2340

FOR OFFICIAL USE ONLY:

Approved _____

Disapproved _____

NCS Official _____

Date _____

FRIEND OF THE FIELD MAINTENANCE PLAN

The adopting organization will accept full responsibility for providing maintenance in accordance with the following Fairfax County Public Schools (FCPS) Maintenance Standards.

Nutrient/Fertilizer Application - (Performed according to frequency as indicated in the Nutrient Management Plan)

For contiguous fields of one acre or larger, no nutrients may be applied unless a Nutrient Management Plan has been completed and submitted to FCPS CUS within 6 months of the effective date of this agreement. CUS will forward the plan for approval to FCPS Office of Facilities Management. Nutrient Management Plans must be developed by a certified nutrient management planner in accordance with § 10.1-104.2 Code of Virginia. This is a requirement of FCPS Municipal Separate Storm Sewer System (MS4) Permit Issued by the State.

Turf Maintenance – (Performed according to frequency as indicated)

When over seeding (spring and fall), use a mix of 70% fescue and 30% rye. This work is typically completed during March-April, and October-November. Perennial ryegrass is preferable for the highest quality turf. 10 to 20 pounds per 1000 square feet are recommended for golf and sports turf applications. Some surface preparation (scalping or light vertical mowing) of the warm-season turf will enhance over seeding establishment by promoting seed-to-soil contact.

Field Setup – (Performed according to frequency as indicated)

This includes the installation of home plate and bases on diamond fields. Break-away bases are recommended for use on all diamond fields.

Mowing – (Performed weekly during peak mowing season)

All field areas are to be mowed. All edging and trimming are to be completed at the same time the mowing operations take place. This includes surrounding fences and bleacher areas. Grass is not to be cut below 2.5 inches.

Warning Tracks – (Performed once a year as needed)

Warning tracks are to be raked to re-establish the edge, adding new gravel dust if necessary.

Infields (Baseball/Softball) – (Performed once a year and as needed)

Skin infield and build up pitcher's mound to league specifications. Initially, remove weeds and grass from infields. Add to the scraped areas appropriate amount and mix of infield sand/clad or other materials approved by FCPS Grounds Department (e.g., Ball Diamond Mix from Blue Mount Quarry).

Infield Lining – (Optional)

Infield lining frequency is entirely up to the Partner organization.

Raking and Dragging of Infields (Baseball/Softball) – (Performed with each use)

Skinned infields and base paths require daily maintenance. Home-plate and base areas must be filled and graded at the conclusion of each game or series.

Litter Pick-up – (Performed with each use)

Litter control is a daily activity that must be performed to maintain the fields' aesthetic quality. All field, spectator, and parking areas are to be free of litter and debris. All discarded materials are to be deposited in trash cans. Trash removal will be by agreement between Partner and local school principal.

Fences – (Performed with each use)

Inspect and report broken and potentially hazardous fences and backstops to school principal, who will contact the Work Order Section. Installation of windscreens must be approved by FCPS Office of Facilities Management.

Irrigation and Lighting System Maintenance

If any irrigation system is present, all requests for repairs are to be directed to the school principal, who will contact the Work Order Section.

In addition:

- . No chemical herbicides, fungicides, or pesticides may be used.
- . No equipment will be provided by FCPS.
- . This agreement covers only the field maintenance activities described above. It does not extend to improvement projects such as installing fences, dugouts, team benches, storage buildings, scoreboards, lights, and irrigation. Proposals for these types of projects must follow the procedures outlined in FCPS Regulation 8579 (Athletic Fields and Equipment – Installation, Modification, and Relocation).
- . The adopting organization accepts full responsibility for all damages and injuries that might result from its actions or negligence. FCPS Grounds department will provide expertise and technical assistance to the Partner.

Revised June 2015

Course Administration

Section Attendance

#: FT-88765

Title: General Awareness Stormwater Pollution Prevention Plan (SWPPP) Training

Course 2.0 Hours
Value:

Section GENERAL AWARENESS STORMWATER POLLUTION PREVENTION PLAN SWPPP - FOR GROUNDS
Title: FIELD AND SUPERVISORY STAFF

Instructor: Boyd, William

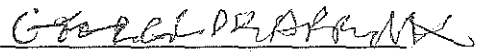

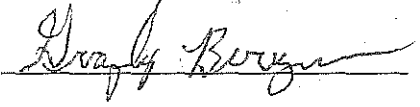

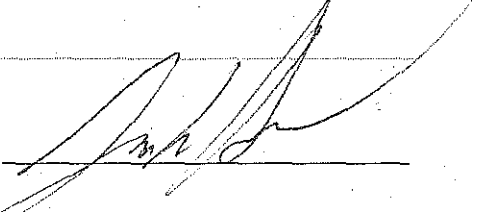
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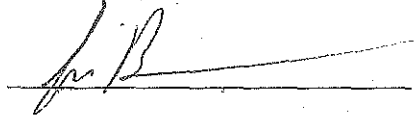

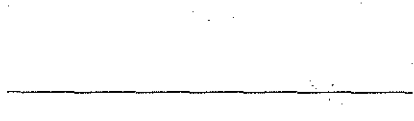
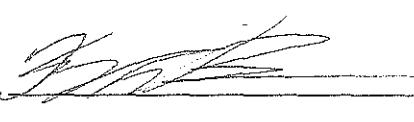


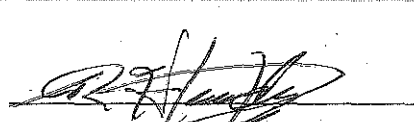
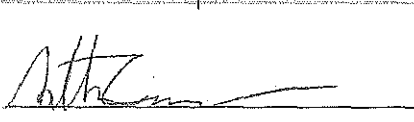
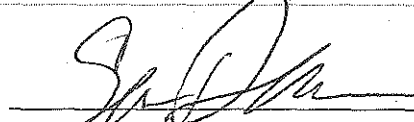
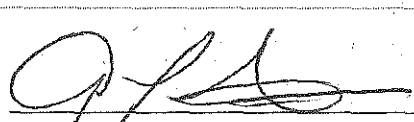
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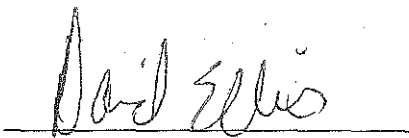
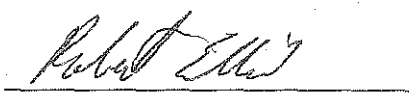


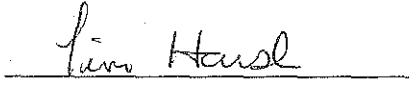
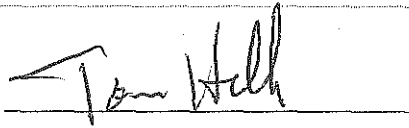
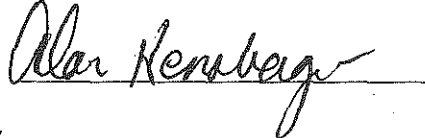
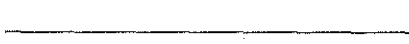
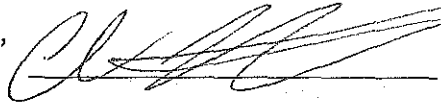
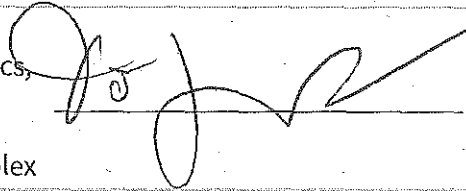
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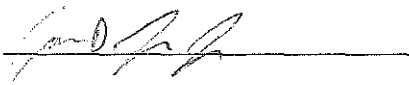
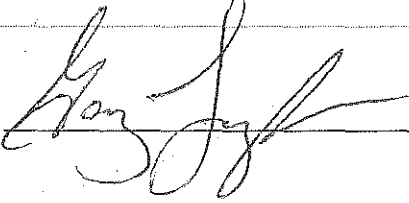

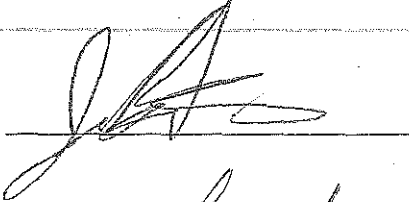
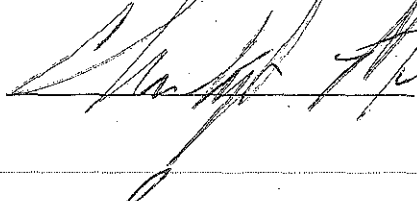
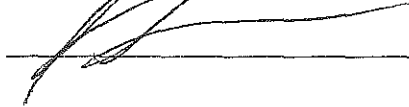
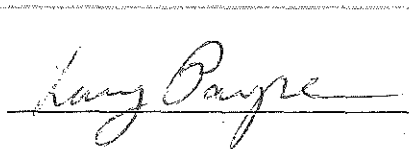
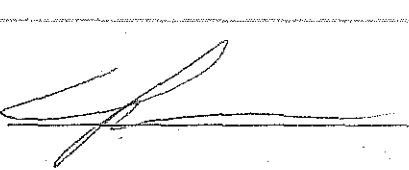
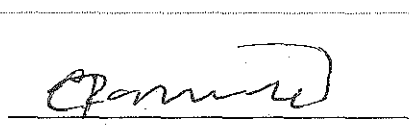
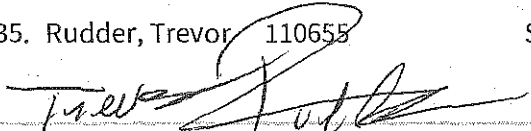
End Date: 04/15/2015

Current Date: Wednesday April 15, 2015

#	Name	Employee Id	Position	District / School	8:00 AM - 9:30 AM
1.	Appiah, George	108609	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
2.	Atkins, Kevin	204576	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
3.	Berryman, Grayling	103798	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
4.	Boyd, William	168264	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
5.	Brammer, J	186953	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	

6.	Brammer, Timothy	137234	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
7.	Brown, Michael	181433	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
8.	Brown, Ronald	146891	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
9.	Burney, Kyle	178286	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
10.	Burns, Robert	187269	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
11.	Caridakis, George	108725	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
12.	Chavez, Remberto	203532	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
13.	Croson, Nathan	207844	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
14.	Dawson, Sean	216646	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
15.	Dineen, Amy	189456	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	

16.	Ellis, David	121765	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
17.	Ellis, Robert	174977	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
18.	Goultrey, Jeffrey	148811	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
19.	Gutierrez, Pedro	217159	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
20.	Harsh, Timothy	124742	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
21.	Heller, William	208792	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
22.	Hensberger, Alan	151513	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
23.	Hudson, Coleman	158072	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
24.	Hutchison, Christopher	184057	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
25.	Janiga, Thomas	105117	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	

26.	Jones, James	140936	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
27.	Langhorne, Gary	192991	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
28.	Lopez, Tomas	160478	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
29.	Marchante, Jonathan	217060	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
30.	Mercer, Christopher	203520	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
31.	Monteleone, Joshua	211352	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
32.	Payne, Larry	141477	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
33.	Reinoso, Gerardo	174489	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
34.	Romero, Carlos	190679	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	
35.	Rudder, Trevor	110655	Support	Facilities & Transprtatn Svcs, Facilities Mgmt Non-Region, Woodson Complex	

36.	Semper, Nokia	208614	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	<u>Nokia Semper</u>
37.	Stone, Christopher	216079	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	_____
38.	Thippeswamy, Hemanth	176252	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Sideburn Support Center	<u>T. Hemanth</u>
39.	Thompson, David	126017	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	<u>David Thompson</u>
40.	Williams, Mary	108469	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	<u>Mary Williams</u>
41.	Yanes, Fidel	211794	Support	Facilities & Transprtatn Srvc, Facilities Mgmt Non-Region, Woodson Complex	<u>Fidel Yanes</u>
42	Ted Richardson	202968			
43	Dona SMITH	165057			
44	Greg Dixon	208906			<u>Greg Dixon</u>
45	PHILLIPS, BRANDEN	216547			<u>Branden Phillips</u>
	Michelbacke Richard				<u>Richard Michelbacke</u>

Course Administration

Section Attendance

#: FT-88765

Title: General Awareness Stormwater Pollution Prevention Plan (SWPPP) Training

Course Value: 2.0 Hours

Section Title: DOCUMENTATING & MAINTAINING THE SWPPP - FOR SUPERVISORY STAFF

Instructor: Boyd, William

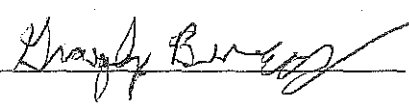


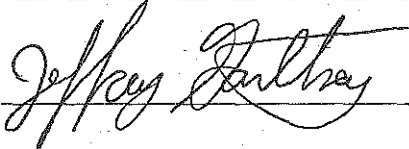
Facility: large training room

Start Time: 10:00 AM

Start Date: 04/15/2015

End Date: 04/15/2015

Current Date: Wednesday April 15, 2015

#	Name	Employee Id	Position	District / School	10:00 AM - 12:00 PM
1.	Berryman, Grayling	103798	Support	Facilities & Transprttn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
2.	Boyd, William	168264	Support	Facilities & Transprttn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
3.	Caridakis, George	108725	Support	Facilities & Transprttn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
4.	Dineen, Amy	189456	Support	Facilities & Transprttn Srvc, Facilities Mgmt Non-Region, Woodson Complex	
5.	Goultrey, Jeffrey	148811	Support	Facilities & Transprttn Srvc, Facilities Mgmt Non-Region, Woodson Complex	

6. Heller, William 208792 Support Facilities & Transprtatn Srvcs, Facilities Mgmt Non-Region, Woodson Complex Tom Heller

7. Hensberger, Alan 151513 Support Facilities & Transprtatn Srvcs, Facilities Mgmt Non-Region, Woodson Complex Alan Hensberger

8. Langhorne, Gary 192991 Support Facilities & Transprtatn Srvcs, Facilities Mgmt Non-Region, Woodson Complex Gary Langhorne

9. Lopez, Tomas 160478 Support Facilities & Transprtatn Srvcs, Facilities Mgmt Non-Region, Woodson Complex Tomas Lopez

10. Reinoso, Gerardo 174489 Support Facilities & Transprtatn Srvcs, Facilities Mgmt Non-Region, Woodson Complex Gerardo Reinoso

11. Thippeswamy, Hemanth 176252 Support Facilities & Transprtatn Srvcs, Facilities Mgmt Non-Region, Sideburn Support Center T. Hemanth

12. Williams, Mary 108469 Support Facilities & Transprtatn Srvcs, Facilities Mgmt Non-Region, Woodson Complex Mary Williams

Michelbade Richards

PHILLIPS, BRENDA 216547

Holly Moran OPM

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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

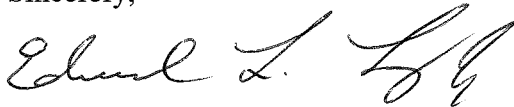
Agreement between the Fairfax County Government and the Fairfax County Public Schools to
Share Responsibility for Certain Stormwater Services

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

