

ARLINGTON PUBLIC SCHOOLS 2015 SMS4 ANNUAL REPORT



Fiscal Year 2015 Annual Report
Virginia Stormwater Management Program (VSMP)
Permit Number VAR040127
2014 - 2018 Permit Cycle
Submitted September 30, 2015



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1. Introduction and Background Information

Arlington Public Schools (APS) Department of Facilities and Operation prepared this annual report for our small municipal separate storm sewer system (SMS4) Phase II permit number VAR040127, issued on April 18, 2014. This report covers the period of July 1, 2014, through June 30, 2015. For this reporting period there are no modifications to any operator's department's roles and responsibilities. Also for this reporting period, there are no new SMS4 outfalls and associated acreage by HUC added. Table 1 lists all APS properties, their size and the watershed in which they lie.

#	FACILITY	ADDRESS	WATER BODY	HYDROLOGIC UNIT CODE	ACRES
1	Abingdon Elementary School	3035 South Abingdon Street Arlington, VA 22206	Potomac River - Four Mile Run	PL25	10.69
2	Arlington Career Center	816 South Walter Reed Drive Arlington, VA 22204	Potomac River - Four Mile Run	PL25	7.87
3	Arlington Science Focus Elementary School	1501 North Lincoln Street Arlington, VA 22201	Potomac River - Pimmit Run	PL24	6.71
4	Arlington Traditional Elementary School	855 North Edison Street Arlington, VA 22205	Potomac River - Four Mile Run	PL25	7.83
5	Ashlawn Elementary School	5950 North 8th Road Arlington, VA 22205	Potomac River - Four Mile Run	PL25	7.13
6	Barcroft Elementary School	625 South Wakefield Street Arlington, VA 22204	Potomac River - Four Mile Run	PL25	5.13
7	Barrett Elementary School	4401 North Henderson Road Arlington, VA 22203	Potomac River - Four Mile Run	PL25	4.92
8	Campbell Elementary School	737 South Carlin Springs Road Arlington, VA 22204	Potomac River - Four Mile Run	PL25	8.48
9	Carlin Springs Elementary School	5995 South 5th Road Arlington, VA 22204	Potomac River - Four Mile Run	PL25	4.2
10	Claremont Elementary School	4700 South Chesterfield Road Arlington, VA 22206	Potomac River - Four Mile Run	PL25	14.8
11	Drew Elementary School	3500 South 23rd Street Arlington, VA 22206	Potomac River - Four Mile Run	PL25	8.86
12	Glebe Elementary School	1770 North Glebe Road Arlington, VA 22207	Potomac River - Four Mile Run	PL25	7
13	Gunston Middle School	2700 South Lang Street Arlington, VA 22206	Potomac River - Four Mile Run	PL25	19.66
14	H-B Woodlawn Secondary Program	4100 North Vacation Lane Arlington, VA 22207	Potomac River - Pimmit Run	PL24	9.07
15	Patrick Henry Elementary School	701 South Highland Street Arlington, VA 22204	Four Mile Run - Pimmit Run	PL25	4.18

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#	FACILITY	ADDRESS	WATER BODY	HYDROLOGIC UNIT CODE	ACRES
16	Hoffman-Boston Elementary School	1415 South Queen Street Arlington, VA 22204	Potomac River - Four Mile Run	PL25	8.6
17	Jamestown Elementary School	3700 North Delaware Street Arlington, VA 22207	Potomac River - Pimmit Run	PL24	10.16
18	Jefferson Middle School	125 South Old Glebe Road Arlington, VA 22204	Potomac River - Four Mile Run	PL25	8.63
19	Kenmore Middle School	200 South Carlin Springs Road Arlington, VA 22204	Potomac River - Four Mile Run	PL25	26.68
20	Key Elementary School	2300 Key Boulevard Arlington, VA 22201	Potomac River - Pimmit Run	PL24	4.77
21	Langston High School Continuation Program	2121 North Culpepper Street Arlington, VA 22207	Potomac River - Four Mile Run	PL25	2.53
22	Long Branch Elementary School	33 North Filmore Street Arlington, VA 22201	Potomac River - Pimmit Run	PL24	2.51
23	McKinley Elementary School	1030 North McKinley Road Arlington, VA 22205	Potomac River - Four Mile Run	PL25	7.52
24	Nottingham Elementary School	5900 North Little Falls Road Arlington, VA 22207	Potomac River - Pimmit Run	PL24	8.94
25	Oakridge Elementary School	1414 South 24th Street Arlington, VA 22202	Potomac River - Four Mile Run	PL25	8.08
26	Randolph Elementary School	1306 South Quincy Street Arlington, VA 22204	Potomac River - Four Mile Run	PL25	6.91
27	Reed-Westover	1644 North McKinley Road Arlington, VA 22205	Potomac River - Four Mile Run	PL25	8.52
28	Swanson Middle School	5800 North Washington Blvd Arlington, VA 22205	Potomac River - Four Mile Run	PL25	6.72
29	Taylor Elementary School	2600 North Stuart Street Arlington, VA 22207	Potomac River - Pimmit Run	PL24	14.47
30	The Trade Center	2770 South Taylor Street Arlington, VA 22206	Potomac River - Four Mile Run	PL25	5.96
31	Tuckahoe Elementary School	6550 North 26th Street Arlington, VA 22213	Potomac River - Four Mile Run	PL25	4.69
32	Vacant Residential Lot	5721 South 4th Street, Arlington VA 22204	Potomac River - Four Mile Run	PL25	0.13
33	Wakefield High School	1325 South Dinwiddie Street Arlington, VA 22206	Potomac River - Four Mile Run	PL25	34.79
34	Washington-Lee High School	1301 North Stafford Street Arlington, VA 22201	Potomac River - Pimmit Run	PL24	22.61

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#	FACILITY	ADDRESS	WATER BODY	HYDROLOGIC UNIT CODE	ACRES
35	Williamsburg Middle School	3600 North Harrison Street Arlington, VA 22207	Potomac River - Pimmit Run	PL24	25.07
36	Wilson School	1601 Wilson Boulevard Arlington, VA 22201	Potomac River - Pimmit Run	PL24	2.67
37	Yorktown High School	5200 Yorktown Boulevard Arlington, VA 22207	Potomac River - Pimmit Run	PL24	10.84
TOTAL APS PROPERTY ACREAGE:					358.33

Table 1. Arlington Public School Properties and Respective Receiving Watershed.

An interim annual report for the 10 week period from April 18, 2014, through June 30, 2014, was submitted to the Virginia Department of Environmental Quality (DEQ) on September 30, 2014.

The reporting elements in this annual report follow the information provided in APS' initial MS4 Program Plan submitted with the permit registration statement. Background and detailed information about APS' stormwater and watershed management program are found on the [APS Stormwater Management website](#). APS has paid the small MS4 annual permit maintenance fee for permit number VAR040127 by check number 8020712 dated 9/18/15. Table 2 identifies a list of agency acronyms used throughout this report.

Agency	Acronym
Arlington County Fire Department	ACFD
Arlington County Government	ACG
Arlington County Police Department	ACPD
Arlington Public Schools	APS
Arlington County Department of Parks and Recreation	DPR
Arlington County Department of Environmental Services	DES
Virginia Department of Environmental Quality	DEQ

Table 2. Agency Acronyms.

2. Public Education and Outreach on Stormwater Impacts (MCM 1) & Public Involvement and Participation (MCM 2)

For this reporting period, APS had a student population of 24,529 and a full time equivalent (FTE) staff population of approximately 4,000. The SMS4 permit requires reaching a minimum of 20% of the target audience, which would be at least 4,906 students and 800 FTE staff.

APS' three priority issues for outreach and education are: using techniques that keep water onsite and or reduce imperviousness; litter prevention; and the importance of native plants for preventing soil erosion. In this reporting period, APS educated and involved more than 20% of their target audience which included students, teachers, and other non-teaching staff on issues and or in events related to the reduction of stormwater pollution and the three priority issues.

High priority APS staff have been identified to include our maintenance, custodial and transportation staff. These staff members participate annually in our stormwater training.

Table 3 summarizes by priority issue, the corresponding educational program, its target audience, the estimated number of students and staff educated or that participated in an education initiative, and the estimated percentage of engagement. Following the table is a summary of each APS education and participation initiative.

Issue	Corresponding Program	Target Audience	Estimated Number of Students and Staff Reached	Estimated Percentage of Student and Staff Engagement
Reduce Imperviousness / Keep Water on Site	Operation Rain Barrel	Students, Teachers	6000	> 20%
	Wetlands Learning Lab	Students, Teachers	414 students, 50 teachers	
	Meaningful Watershed Education Experience (MWEE)	Students, Teachers	1725 students, 68 teachers	
	Green Scene	Students, Staff, Community	1000	
	Protecting Our Watershed	APS Staff	20	
	SWPPP Training	APS Staff	300	
Litter Prevention	Adopt a Street/Spot	Students, Teachers	1000	> 20%
	Meaningful Watershed Education Experience (MWEE)	Students, Teachers	1725 students, 68 teachers	
	Green Scene	Students, Staff, Community	1000	
	Outdoor Lab	Students, Teachers	6150 students, 251 teachers	
	SWPPP Training	APS Staff	300	

Issue	Corresponding Program	Target Audience	Estimated Number of Students and Staff Reached	Estimated Percentage of Student and Staff Engagement
Native Plants for Erosion Control	Meaningful Watershed Education Experience (MWEE)	Students, Teachers	1725 students, 68 teachers	> 20%
	Outdoor Lab	Students, Teachers	6150 students, 251 teachers	
	Outdoor Learning Environments	Students, Teachers	500	
	Wetlands Learning Lab	Students, Teachers	414 students, 50 teachers	
	Green Scene	Students, Staff, Community	1000	
	Protecting Our Watershed	APS Staff	20	

Table 3. Summary of Outreach and Education (MCM 1) and Summary of Public Participation and Involvement (MCM 2) Progress During 1st year of SMS4 Permit.

APS Staff Education through Training (MCM 1)

For this reporting period, APS has trained the staff on the following procedures:

- August 2014: “Stormwater Pollution Prevention.” 64 custodial supervisors were trained on the connection between stormwater pollution and stream water quality and health both for local streams and the Chesapeake Bay. This included regulatory requirements and context, authorized discharges, IDDE, good housekeeping practices, spill reporting and other requirements of the SMS4 permit, and included excellent visual representations of stormwater pollution.
- August 2014: “Protecting Our Watershed.” Twenty administrators were trained on the basics of the Chesapeake Bay watershed ecosystem, stormwater and stormwater pollutant sources and impacts, requirements of the SMS4 permit, and educational curricula available to APS for its students.
- October 2014: “Stormwater Pollution Prevention.” 160 bus drivers and attendants were trained on the connection between stormwater pollution and stream water quality and health both for local streams and the Chesapeake Bay. This included regulatory requirements and context, authorized discharges, IDDE, good housekeeping practices, spill reporting and other requirements of the SMS4 permit, and included excellent visual representations of stormwater pollution.
- September 2014: “Stormwater Pollution Prevention.” 56 Facilities and Operations Personnel were trained on the connection between stormwater pollution and stream water quality and health both for local streams and the Chesapeake Bay. This included regulatory requirements and context, authorized discharges, IDDE, good housekeeping practices, spill reporting and

other requirements of the SMS4 permit, and included excellent visual representations of stormwater pollution.

Student and Teacher Education (MCMs 1 and 2)

Operation Rain Barrel (MCMs 1 and 2)

In partnership with George Mason University's Office of Community and Local Government Relations all our schools participated in Operation Rain Barrel¹: a fun, creative project that engages our students and teaches them about keeping water onsite and reusing rainwater for gardening purposes. Operation Rain Barrel begins each January and culminates at a community-wide event celebrating environmental sustainability in April at the Arlington Campus of George Mason University.

George Mason University partners with Water Management Inc., to purchase plain rain barrels for each of APS' 36 schools to be painted artistically. Additionally, George Mason provides the schools with educational information about rain barrels for teachers to incorporate into lessons emphasizing the importance of our watershed, water management and environmental sustainability.

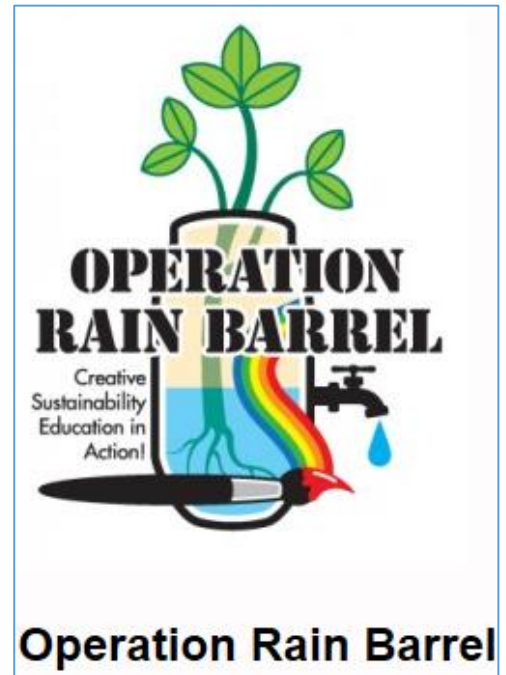


Figure 1. Students from Oakridge Elementary School painting a rain barrel.

¹ <http://relations.gmu.edu/community-relations/programs-and-services/operation-rain-barrel/>

Wetlands Learning Lab (MCMs 1 and 2)

Campbell Elementary School took advantage of a unique opportunity to expand its hands-on, inquiry-based approach to education by converting a wet and swampy area of the schoolyard into a Wetlands Learning Lab². Overflow from the wetland's spring goes into a dry stream leading to a rain garden and then into a 60x20 foot vegetated bio-swale. The bio-swale collects ground water from the natural seeps that occur throughout the area. All the students and staff at Campbell were engaged in the wetlands learning lab.



Figure 2. Campbell ES Wetlands Learning Lab



Figure 3. Child at Campbell Elementary School's Wetlands Learning Lab

Meaningful Watershed Education Experience & Earth Force (MCMs 1 and 2)

A Meaningful Watershed Education Experience (MWEE) integrates field work in the Chesapeake Bay watershed with multidisciplinary classroom activities and instruction. Students then share their discoveries within their schools and communities, both orally and in writing. MWEEs have an intentional connection to the watershed as a whole. Experiences focus not only on the Chesapeake Bay, rivers, and streams, but also on terrestrial issues such as native plant species, erosion control, buffer creation, groundwater protection, and pollution prevention.

Earth Force engages young people as active citizens who improve the environment and their communities now and in the future. Through their "Centers of Excellence³", Earth Force works with communities to support young people in finding their voice while assuming leadership roles in solving local environmental problems. A curriculum entitled "Caring for Our Watersheds" is available for grade 6. The six-step instructional model, the Earth Force Process, puts youth in the driver's seat towards creating sustainable solutions.

² <http://www.apsva.us/Page/15221>

³ <http://earthforce.org/>

Outdoor Lab (MCMs 1 and 2)

The Phoebe Hall Knipling Outdoor Laboratory, located in Fauquier County, is a 210-acre property, owned by the Arlington Outdoor Education Association (AOEA) and leased by APS. The Outdoor Lab is made available to APS as an outdoor science laboratory during the academic year and as an environmental education camp for three weeks each summer. APS provides instruction, financial and staff support to maintain the Outdoor Lab. The Outdoor Lab schedule for this reporting period and next year may be found in Appendix A.

The 2014-2015 school year included 6,150 students and 251 staff scheduled for day or overnight visits for specific learning activities. Programs conducted at the laboratory are aligned to grade level science curriculum⁴ from grade 3 through grade 12. Students learn how their decisions and behavior affect other living things. As they acquire knowledge and understanding from and about the environment, students develop competence in evaluating alternatives for using and managing resources.



Figure 4. Phoebe Hall Knipling Outdoor Laboratory Open House

Relevant curriculum for 5th grade⁵ overnight trips includes a stream study in which students catch aquatic animals and assess water quality. High school curriculum⁶ includes field comparison of biotic and abiotic components in aquatic habitats (pond vs. stream) and terrestrial habitats (forest vs. meadow).

Tables 4 - 6 summarize the elementary, middle and high school students and staff that received watershed education at the Outdoor Lab.

⁴ <http://www.outdoorlab.org/education>

⁵ <http://outdoorlab.org/education/fifth>

⁶ <http://outdoorlab.org/education/hs>

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Elementary School	Grade 4 Students	Grade 5 Students	Totals Students	Staff
Abingdon	75	95	170	7
Arlington Science Focus	95	103	198	8
Arlington Traditional	72	72	144	6
Ashlawn	85	99	184	7
Barcroft	73	65	138	6
Barrett	73	98	171	7
Campbell	58	48	106	4
Carlin Springs	89	77	166	7
Claremont	91	79	170	7
Drew Model	84	60	144	6
Glebe	100	91	191	8
Henry	66	65	131	5
Hoffman-Boston	35	36	71	3
Jamestown	107	99	206	8
Key	105	92	197	8
Long Branch	87	76	163	7
McKinley	105	87	192	8
Nottingham	116	96	212	8
Oakridge	117	124	241	10
Randolph	68	74	142	6
Taylor	149	132	281	11
Tuckahoe	121	111	232	9
Grand Total	1,971	1,879	3850	154

Table 4. APS Elementary School Students and Staff participating in Outdoor Lab in 2014-2015 school year.

Middle School	Grade	Students	Staff
Gunston	7	290	12
H-B Woodlawn	7	74	3
Jefferson	7	275	11
Kenmore	7	302	12
Swanson	7	312	12
Williamsburg	7	350	13
	Grand Total	1,603	63

Table 5. APS Middle School Students and Staff participating in Outdoor Lab in 2014-2015 school year.

School	Grades	Students	staff
H-B Woodlawn	various	75	3
Wakefield	various	100	3
Washington-Lee	various	100	3
Yorktown	various	100	3
Arlington Mill	various	113	4
Career Center	various	75	3
Langston	various	61	2
New Directions	various	25	1
Stratford Program	various	48	12
Grand Total		697	34

Table 6. APS High School Students and Staff participating in Outdoor Lab in 2014-2015 school year

Native Habitats and Outdoor Learning Environments (MCMs 1 and 2)

The majority of APS elementary schools have outdoor gardens or outdoor learning environments that include native plant species as part of their elementary curriculum. One example is Tuckahoe Elementary’s Discovery School Yard⁷. Another elementary school, Arlington Traditional, uses curriculum⁸ from the Virginia Master Gardener program to teach students about native species and environmental conservation.

Many of our schools have rain gardens and other stormwater detention facilities that have been incorporated into a school’s instruction. Figure 5 demonstrates rain garden signage and native gardens at Nottingham Elementary.



Figure 5. Nottingham Elementary School’s Rain Garden signage

APS Green Scene (MCM 1)

Green Scene⁹ is an APS produced outreach program that highlights sustainability efforts throughout our school district. Many of the videos produced throughout the year focus on projects our students and staff are working on or participating in that emphasize the importance of our watershed, litter reduction and native plant species. Green Scene highlighted Operation Rain Barrel, our students’ Meaningful Watershed Education Experience, and the Chesapeake Bay. Green Scene is produced by the Arlington Educational Television Department (AETV) in cooperation with APS’ Department of School and Community Relations.

⁷ <http://www.apsva.us/domain/1423>

⁸ <http://www.apsva.us/Page/3592>

⁹ <http://www.apsva.us/Page/27132>

The 2015-2016 School Year Education and Outreach Programs and Public Involvement and Participation (MCM 1 and MCM2)

For our next 12 month reporting period, APS intends to continue its current programs. We will also work with our partners on expanding curriculum to meet our three priority areas with the goal of reaching over 20% of our population in each priority area.

Issue	Corresponding Program	Target Audience	Estimated Number of Students and Staff Reached	Estimated Percentage of Student and Staff Engagement
Reduce Imperviousness / Keep Water on Site	Operation Rain Barrel	Students, Teachers	6000 students and staff	> 20%
	Wetlands Learning Lab	Students, Teachers	500 students, 60 teachers	
	Meaningful Watershed Education Experience (MWEE)	Students, Teachers	1800 students, 75 teachers	
	Green Scene	Students, Staff, Community	1200	
	SWPPP Training	APS Staff	350	
Litter Prevention	Adopt a Street/Spot	Students, Teachers	1000	> 20%
	Meaningful Watershed Education Experience (MWEE)	Students, Teachers	1800 students, 75 teachers	
	Students, Staff, Community	1200	Green Scene	
	Outdoor Lab	Students, Teachers	6300 students, 275 teachers	
	SWPPP Training	APS Staff	350	
Native Plants for Erosion Control	Meaningful Watershed Education Experience (MWEE)	Students, Teachers	1800 students, 75 teachers	> 20%
	Outdoor Lab	Students, Teachers	6300 students, 275 teachers	
	Students, Staff, Community	1200	Green Scene	
	Outdoor Learning Environments	Students, Teachers	600	
	Wetlands Learning Lab	Students, Teachers	500 students, 60 teachers	

Table 7. Proposed 2015-2016 School Year Education and Outreach Programs and Estimated Targets.

Publication of Annual Reports and SMS4 Program Plan

APS publishes its SMS4 Permit, annual reports and program objectives on its dedicated [Stormwater Management Program website](#).

3. Illicit Discharge Detection and Elimination, IDDE (MCM 3)

Notification of Physical Interconnections

During 2014-2015, field surveys of all APS properties were conducted, including verification of the stormwater infrastructure mapping. In August of 2015, APS provided ACG with maps of every APS-owned facility showing all newly mapped/newly discovered MS4 interconnections resulting from field work and a letter demonstrating that interconnections exist (See Appendix B).

IDDE Program

In this reporting period, APS together with its consultant, Versar, identified all IDDE sampling locations via field walks, simultaneously mapped all undocumented APS MS4 infrastructure, mapped and inspected all undocumented stormwater BMPs at all APS-owned facilities, and developed a 42-page IDDE Program Plan. Most IDDE sampling points consisted of MS4 nodes/manholes. All facilities were also audited for hotspot status using an HSI form and evaluated for the need for an industrial permit. Hotspot scores, or “status”, are summarized in the IDDE Program Plan. APS’ Trades Center is located within Arlington County Government’s (ACG) Trades Facility and falls under ACG’s SWPPP, VSMP Permit VA0088579. Our IDDE Program Plan may be found on our [Stormwater Management Program website](#).

Outfall screening has not yet begun but is planned for 2015-2016 as per the permit requirements for new SMS4s. Nonetheless, during field visits to each APS property for the purpose of identifying appropriate IDDE sampling points, any dry weather flow observed was investigated. On April 18, 2015, a suspected illicit discharge resulting from a cross connection for temporary relocatable classrooms at Key Elementary School (2300 Key Blvd) was discovered and immediately reported to ACG. The cross connection was fixed on April 21, 2015, and reported to DEQ as part of the 5-day follow-up on April 24, 2015. This same outfall will be tested as part of a regular IDDE screening.

4. Construction Site Stormwater Runoff Control (MCM 4)

APS had three (3) regulated land-disturbing activities in this reporting period – construction activities at Ashlawn Elementary, Discovery Elementary, and Wakefield High School highlighted in Table 8. ACG is APS’ permitting authority, and ACG performed plan reviews, formal inspections and enforcement actions on these construction projects. A total number of inspections and enforcement actions performed by ACG may be found in their annual report.

School	Address	Acres Disturbed
Ashlawn Elementary	5950 N. 8 th Road, 22205	5.1
Discovery Elementary	5241 N. 36 th Street, 22207	15.5
Wakefield High School	1325 S. Dinwiddie Street, 22206	10
Total		30.6

Table 8. Total Land Disturbing Activities in First Full 12 Months

5. Post-Construction Stormwater Management (MCM 5)

APS owns 61 stormwater management BMPs (or “facilities”). A master database containing all of APS’ BMPs is managed by ACG. APS and ACG collaborate closely to make sure this database is up to date. APS inspects all of its identified BMPs on an annual basis and conducts maintenance for these facilities at least annually based on our standard operating procedures (SOPs). Appendix C lists the BMP installed during this reporting period.

Inspection, operation, and maintenance verification of stormwater management facilities.

Arlington Public Schools (APS) conducts annual inspections and maintenance on all its stormwater facilities using a stormwater contractor. A list of sites and facilities are reviewed and evaluated at the start of each fiscal year. The contractor is required to schedule inspections and maintenance in a timely fashion and provide a detailed report for each site, including photos of the facilities during inspection and after maintenance has been completed. Any repair work needed is identified in the inspection report so that APS may evaluate and schedule required work. APS follows the guidelines established by ACG for the inspection and maintenance of stormwater facilities¹⁰. APS’ standard operating procedures (SOPs) for inspection and maintenance closely follows ACG’s inspection checklist. All inspection and maintenance reports are kept at the APS Department of Facilities and Operations.

6. Pollution Prevention / Good Housekeeping for Municipal Operations (MCM6)

APS engages in good housekeeping at all of its properties. APS trains custodial staff annually on proper disposal of wastewater into the sanitary sewer and not the storm sewer via a Policy Implementing Procedure (PIP) and ongoing trainings. A Memorandum on “Use of Custodial Sinks” to all Custodial Building Supervisors reiterating the requirement to pour all wastewater into sinks and not into the MS4 was issued on October 18, 2013. This memo was included in our original registration package.

All APS facilities were field visited in the spring of 2015 both for identification of any good housekeeping deficiencies and to ensure that any facility meeting the definition of an industrial facility requiring an

¹⁰ <http://environment.arlingtonva.us/stormwater-watersheds/stormwater-at-home/stormwater-management-facility-inspections/>

industrial discharge permit would apply for coverage. No APS property was found to require additional permit coverage.

APS' Trades Center is located within Arlington County Government's (ACG) Trades Facility. ACG is the lead agency for managing the SWPPP under their VSMP Permit VA0088579.

Nutrient Management Plan Locations

ACG applies nutrients for APS' fields greater than one (1) acre using nutrient management plans (NMPs). These plans are developed by a certified turf and landscape nutrient management planner. NMPs for school property are located at DPR and a copy is held at the APS Facilities and Operations Department. Table 9 identifies all APS fields requiring NMPs.

APS lands where nutrients are applied to more than one contiguous acre						
Field Name	Address	Zip Code	Acres	Proposed Year of Plan Developed	Year Plan Developed	Year Plan Implemented
Carver	1415 S. Queen St.	22204	1.46	2015	2015	2015
Drew School / Center	3500 24th Street South	22206	1.69	2016		
Gunston Park #1	1401 28th St. S.	22202	1.41	2015	2015	2015
Gunston Park #3	1401 28th St. S	22202	1.29	2015	2015	2015
H-B Woodlawn Secondary School	4100 Vacation Lane	22207	1.37	2015	2015	2015
Jamestown Back	N. 36th St. & N. Delaware St.	22207	1.32	2015	2015	2015
Jamestown Front	N. 36th St. & N. Delaware St.	22207	1.08	2015	2015	2015
Kenmore Middle School #2	200 S. Carlin Springs Dr.	22204	2.01	2015	2015	2015
Nottingham #1	5900 Little Falls Rd.	22207	1.39	2016		
Swanson Middle School	5800 N. Washington Boulevard	22205	1.02	2015	2015	2015
Washington-Lee HS (SB) and Practice Field	1301 N. Stratford St.	22201	1.79	2015	2015	2015
Williamsburg MS #1	3600 N. Harrison St.	22207	5.72	2016		
Total acreage of lands where NMP required.			21.53			
Total acreage of lands where NMP implemented.			12.74			

Table 9. APS sites with Nutrient Management Plans and date of plan development and implementation.

Training

SWPPP Training

As covered under Section 2 of this document, 300 APS staff were given annual training on SWPPP and SPCC between 9-9-2014 and 12-16-2014 which included a Good Housekeeping component. Descriptions of this training may be found on page 6.

Pesticide Application Certification

DPR hires a certified contractor who applies nutrients and pesticides on all County and School lands. ACG tracks the status of certifications as part of their MS4 permit obligation. Please refer to their program plan for details. Nutrient Management Plans for school property are located at DPR and a copy is held at the APS Facilities and Operations Department.

Erosion and Sediment Control Certification

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APS relies on ACG, as the government regulatory authority, for permitting, inspection, and enforcement services related to erosion and sediment control. APS does have in-house staff and construction management staff trained as certified stormwater inspectors, ESC inspectors and one combined stormwater and ESC program administrator as noted in Table 10.

Small MS4 Training And Certifications				
Name	Certification	Certificate Number	Expiration Date	Organization
Cathy Lin	Combined Stormwater and ESC Program Administrator	DPA0102	12/18/2017	APS
Renee Adams	Stormwater Inspector	SWIN0147	9/29/2017	Heery
Renee Adams	ESC Inspector	ESIN0148	12/1/2017	Heery
Robin Hodges	Stormwater Inspector	SWIN0266	5/22/2018	J. Vinton Schafer & Sons Inc.
Robin Hodges	ESC Inspector	ESIN0216	5/22/2018	J. Vinton Schafer & Sons Inc.

Table 10. Summary of Training and Certifications for Plan Reviewers, Inspectors, Program Administrators and Construction Site Operators at Arlington Public Schools, Virginia.

Additionally, seven APS staff in our design and construction and maintenance departments were trained on Stormwater Pollution Prevention and Compliance for Construction and Maintenance Projects by ACG on March 8, 2015.

Spill Response Training

Spill Response Training is handled by ACG with their safety personnel. Training is required for Arlington County Police Department and Arlington County Fire Department emergency response personnel. Please refer to ACG’s annual report on spill response training.

Appendix A: Outdoor Lab 2014-2015 and 2015-2016 Schedule by School

2014-15 Outdoor Lab Schedule

Elementary

Abingdon	Mar 2-3 ; Apr 7, April 22
Arlington Science Focus	Oct 20-21, Oct 23-24 ; Jan 15, 16
Arlington Traditional	Sep 18-19 ; Oct 6, 7
Ashlawn	Jan 21, 22; Mar 16-17, Mar 19-20
Barcroft	Sep 2, 3; Sep 4-5
Barrett	Feb 6, 13; Apr 27-28, Apr 30-May 1
Campbell	Feb 27; Apr 9-10
Carlin Springs	Oct 27-28, Oct 30-31 ; Nov 10, 12
Claremont	Jan 29, 30; May 11-12, May 14-15
Drew Model	Oct 1; Oct 16-17
Glebe	Sep 29-30, Oct 2-3 ; Jan 9
Patrick Henry	Apr 8; Apr 16-17
Hoffman-Boston	Nov 19; Jun 11-12
Jamestown	Sep 8, 9; Apr 20-21, Apr 23-24
Key	Apr 13, 14; Jun 4-5, Jun 8-9
LongBranch	Nov 17, 18; May 4-5, May 7-8
McKinley	Nov 6-7, Nov 13-14 ; Jan 23
Nottingham	Sep 22, 23; Mar 9-10, Mar 12-13
Oakridge	Sep 25, 26; May 18-19, May 21-22
Randolph	Nov 20-21, Nov 24-25 ; Feb 17
Taylor	Jan 26, 27; Mar 23-24, Mar 26-27
Tuckahoe	Nov 3, 5; Sep 11-12, Sep 15-16

Middle

Gunston	Jan 6, 7, 8; Jan 12, 13, 14
HB Woodlawn	Dec 22, 23
Jefferson	Feb 18, 19, 20; Feb 23, 24, 25, 26
Kenmore	Dec 11, 12; Dec 15, 16, 17, 18, 19
Swanson	Dec I, 2, 3, 4; Dec 8, 9, 10; Jan 5
Williamsburg	Feb 2, 3, 4, 5; Feb 9, 10, II, 12

High and Other Programs

H-B Woodlawn	Oct 14
Wakefield	Apr 15
Washington-Lee	Sep 24
Yorktown	Oct 15
Arlington Mill	Oct 8, Mar 6
Career Center	May 26
Langston	May 6
New Directions	Jun 3
Stratford Program	Oct 9, 10

All **bolded** dates are
Grade 5 overnights

2015-16 Outdoor Lab Schedule

Elementary

Abingdon	Oct 13, 14; May 9-10, May 12-13
Arlington Science Focus	Feb 4, 5; May 16-17, May 19-20
Arlington Traditional	Apr 21-22 ; May 23, 24
Ashlawn	Apr 11-12, 14-15 ; May 11, 18
Barcroft	Sep 8, 9; Sep 17-18
Barrett	Sep 14, 15; Jun13-14, Jun 16-17
Campbell	Nov 23-24 ; Jan 27
Carlin Springs	Jan 21, 22; Apr 4-5, Apr 7-8
Claremont	Jan 25, 26; Mar 7-8, Mar 10-11
Discovery	Feb 24, 25; May 2-3, May 5-6
Drew Model	Oct 29-30, Nov 5-6 ; Jan 4, 5
Glebe	Feb 22, 23; Mar 14-15, Mar 17-18
Patrick Henry	Sep 28-29 ; Dec 4
Hoffman-Boston	Nov 18; Jun 2-3
Jamestown	Nov 16-17, Nov 19-20 ; Feb 16, 17
Key	Oct 22-23, Oct 26-27 ; Feb 18, 19
Long Branch	Nov 9-10, Nov 12-13 ; Feb 11, 12
McKinley	Sep 16, 23; Apr 25-26, Apr 28-29
Nottingham	Sep 21-22, Sep 24-25 ; Nov 2, 4
Oakridge	Oct 15-16, Oct 19-20 ; Jan 19, 20
Randolph	Oct 1-2, Oct 5-6 ; Apr 6, 13
Taylor	May 26, 27; Jun 6-7, Jun 9-10
Tuckahoe	Mar 28-29, Mar 31-Apr 1 ; Apr 19, 27

Middle

Gunston	Feb 26, Feb 29, Mar 1, 2, 3, Mar 9, Mar 16
HB Woodlawn	Jan 11, 12
Jefferson	Nov 30, Dec 1, 2, 3, Dec 7, 8
Kenmore	Jan 28, 29, Feb 2, 3, Feb 8, 9, 10
Swanson	Jan 6, 7, 8, Jan 13, 14, 15
Williamsburg	Dec 9, 10, 11, Dec 14, 15, 16, 17, 18

High and Other Programs

HB Woodlawn	Sep 30
Wakefield	Apr 20
Washington-Lee	Oct 7
Yorktown	Oct 21
Arlington Mill	Oct 28, Mar 30
Career Center	May 31
Langston	Mar 4
New Directions	Jun 1
Stratford Program	Oct 8, 9

Boldface: GR 5 Overnights

Appendix B: Letter of Interconnection to ACG



Arlington
Public
Schools

DEPARTMENT OF FACILITIES AND OPERATIONS

2770 South Taylor Street • Arlington, VA 22206 • Phone: (703) 228-6600 Fax: (703) 671-2959

August 14, 2015

Mr. Jason Papacosma
Department of Environmental Services
Office of Sustainability and Environmental Management
2100 Clarendon Blvd., Suite 705
Arlington, VA 22201

Dear Mr. Papacosma:

Arlington Public Schools (APS) is a Phase II small MS4 and is covered under the Virginia Pollutant Discharge Elimination System (VPDES) General Permit for Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (General Permit Number VAR040127). We are notifying you of interconnections between APS and Arlington County's storm sewer networks. We have provided updated infrastructure maps to your office that identifies our interconnections.

Please feel free to contact me at 703-228-7731 or cathy.lin@apsva.us if you have any questions. Thank you.

Sincerely,

Catherine J. Lin
Energy Manager

Appendix C: IDDE Program Plan

CSP NUMBER	STATUS CODE	STRUCT 1	DESCRIPTION	FACILITY DESCRIPTION	RELEASE	Plan Name	BUILT	Install Date	Treated Area	Impervious Area	Pervious Area
14060	IP	13-1568G	MANUFACTURED BMP	STORMFILTER	8 - 18" CARTRIDGES	DISCOVERY ELEMENTARY SCHOOL	2015	11/06/2014	0.6537	0.6537	0.0000