APPENDIX C

HHW Brochure

Map and Spreadsheet of State-Permitted Discharges

Sample Special Use Permit with Language Prohibiting Outdoor Cleaning of Kitchen Equipment

Map of Interconnections with Neighboring MS4s

Notice to Neighboring MS4s on Interconnections

Summary of PY2 Outfall Reconnaissance Efforts

Assessment of Properties for Sources of PCBs and Bacteria

APPENDIX C

Household Hazardous Waste & Electronics Collection Program

Many everyday products contain chemicals that are potentially hazardous to our health and the environment. It is our responsibility to properly use, store, and dispose of hazardous items. Make sure to:

- Carefully read labels and follow directions.
- Do not mix chemical substances – even similar products.
- Use only in well-ventilated areas.
- Secure lids tightly; Store in a dry, cool place away from heat, children & pets.
- Properly dispose of hazardous waste.

Eligible Participants:

City of Alexandria Residents (**no businesses**) *Proof of residency required.*

Acceptable materials:

- Gasoline, Antifreeze & Motor Oil
- Battery Acid & Car Batteries
- Oil-Based & Spray Can Paint
- Flammable Caulks & Adhesives
- Lacquers, Varnishes & Thinners
- Mineral Spirits
- Fire Extinguishers
- Household/Auto Cleaning Products
- Flammable Waxes & Abrasives
- Photographic Chemicals & Products
- Lawn Care & Garden Products
- Rodent, Insect & Ant Repellant Products
- Mercury & Fluorescent Light Bulbs

Unacceptable materials:

Explosives, Ammunition, Biological Waste, Radioactive Materials, Unlabeled or Unknown Substances

Acceptable Electronic Items

- Cell phones, Blackberries & PDA's
- Calculators
- CD-ROM/DVD drives
- Memory & Circuit boards
- Computers (PC's)/Laptops
- Monitors (LCD & CRT)
- Keyboards & Mice
- Docking Stations
- Fax Machines
- Modems
- NiCad Batteries
- Desktop printers (laser & ink jet)
- Desktop scanners
- Stereos without speakers
- Tape drives
- Uninterrupted Power Supplies (UPS)
- Video & Audio Equipment
- Wire/cables/extension cords
- TV's

Unacceptable Electronic Items

- TV Consoles & Speakers/Speaker cabinets
- Broken CRT computer monitors/TV's
- Damaged toner/ink cartridges
- Software
- Kitchen/Bathroom appliances & Microwaves
- Items with Freon
- Vacuum Cleaners & Lawn Mowers
- Styrofoam, Paper, Plastic & Cardboard

City of Alexandria

Department of Transportation & Environmental Services

S.T.O.P

Stop Throwing Out Pollutants

Household Hazardous Waste & Electronics Collection Program

3540 Wheeler Avenue
Alexandria, VA 22314

Monday & Saturday (Except holidays)
7:30 a.m. to 3:30 p.m.

More Information

www.alexandriava.gov/solidwaste
Solid Waste Division: (703) 519-3486

For Notifications; Sign-up for eNews:
www.alexandriava.gov/enews

ECO-CITY ALEXANDRIA

Hazardous Waste - Less Toxic Option and Safe Disposal

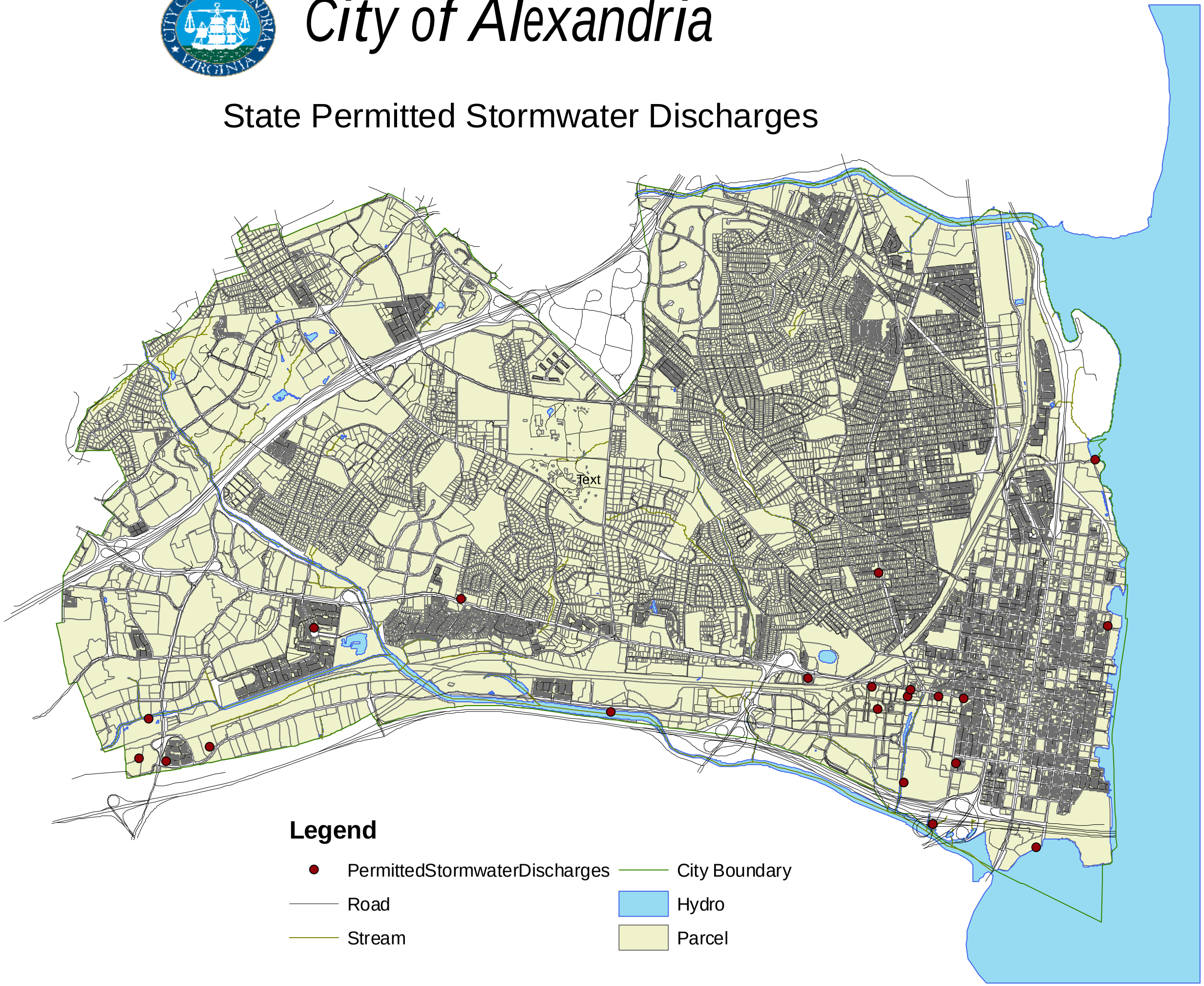
Hazardous Product	Hazardous Component	Less Toxic Option	Proper Disposal
Stains/Finishes	Glycols, ethers, ketones, minerals spirits, toluene, xylene, other volatile organic compounds	Water-based finishes	Store in screw top container. Save for household hazardous waste collection.
Oil-Based Paints	Alcohol, acetone, esters, ketones, petroleum distillates, other volatile compounds	Use water-based paints*	Share leftovers with friends or neighbors; save for household hazardous waste collection.
Used Oil	Hydrocarbon, heavy metals	none; use recycled oil	Can be recycled. Contact oil collection center or service station; save for household hazardous waste collection.
Bleach Cleaners	Lye, hydrogen peroxide, sodium or calcium hypocholorite	Baking soda or borax	In well-ventilated area, use up as intended. Never mix with ammonia.
Ammonia-Based Cleaners	Ammonia, ethanol	White vinegar, lemon juice	In well-ventilated area, use up as intended. Never mix with chlorine bleach.
Drain Opener	Lye, sodium hypochlorite	Prevent blockage with biological clog preventers; remove clogs with plunger or plumber's "snake"	Save for household hazardous waste collection.
Oven Cleaner	Lye, ammonia	Catch drips with foil or cookie sheets; for cleaning use baking soda, water, scouring pad	In well-ventilated area, use up as intended. Save for household hazardous waste collection.
Pesticides	Almost all pesticides are hazardous. Call US EPA for a list of banned pesticides	Remove food source, use traps and baits, or biological controls	Save for household hazardous waste collection.
Paint Thinners	Alcohol, acetone, esters, ketones, petroleum distillates, other volatile organic compounds	Water in water based paints	Store in screw top container, allow paint solids to settle to bottom & pour off clear thinner to use again. Save remainder for household hazardous waste collection.
*Water-based, Latex paints	Not considered hazardous		Share leftovers with friends or neighbors; add kitty litter or saw dust to left over and allow the paint can to dry out before throwing in the trash. Can be brought to household hazardous waste collection.

City of Alexandria
State Permitted Stormwater Discharges
MS4 Reporting Period July 1, 2009 - June 30, 2010

PERMIT NUMBER	PERMIT TYPE	FACILITY NAME	LOCATION	RECEIVING STREAM	HUC	YCOORD	XCOORD
VA0025160-01	VPDES INDIVIDUAL	ASA ADVANCED WWTP	1500 EISENHOWER AVE	HOOFFS RUN	PL26	38.796944	-77.060000
VA0025160-02	VPDES INDIVIDUAL	ASA ADVANCED WWTP	1500 EISENHOWER AVE	HUNTING CREEK	PL26	38.793611	-77.057222
VA0025160-03	VPDES INDIVIDUAL	ASA ADVANCED WWTP	1500 EISENHOWER AVE	HUNTING CREEK	PL26	38.793611	-77.057222
VA0087068-01	VPDES INDIVIDUAL	CITY OF ALEXANDRIA	PENDLETON ST - #001	ORONOCO BAY	PL28	38.821884	-77.040439
VA0087068-02	VPDES INDIVIDUAL	CITY OF ALEXANDRIA	ROYAL ST - #002	HUNTING CREEK	PL26	38.791667	-77.046944
VA0087068-03	VPDES INDIVIDUAL	CITY OF ALEXANDRIA	KING & WEST - #003	HOOFFS RUN	PL26	38.803611	-77.059444
VA0087068-04	VPDES INDIVIDUAL	CITY OF ALEXANDRIA	HOOFFS RUN - #004	HOOFFS RUN	PL26	38.804167	-77.059167
VA0089109	VPDES INDIVIDUAL	US ARMY - CAMERON STATION	170 CAMERON STATION BLVD	BACKLICK RUN	PL26	38.804444	-77.063056
VA0090107	VPDES INDIVIDUAL	CARLYLE DEVELOPMENT II	DULANEY AND DUKE STREETS	OLD CAMERON RUN	PL26	38.809722	-77.118611
VAG110086	READY-MIX GENERAL	VIRGINIA CONCRETE COMPANY	340 HOOFFS RUN DR	HOOFFS RUN	PL26	38.81333	-77.062222
VAG750124	CAR WASH GENERAL	ENTERPRISE RENT A CAR	4213 DUKE ST	HOLMES RUN	PL26	38.811772	-77.103876
VAG830281	PETROLEUM GENERAL	FANNON PETROLEUM SERVICES	1300 DUKE STREET	HOOFFS RUN	PL26	38.803391	-77.053929
VAR051001	STORMWATER INDUSTRIAL GENERAL	ROBINSON TERMINAL WAREHOUSE	101 ORONOCO ST	POTOMAC RIVER	PL28	38.808889	-77.039444
VAR051002	STORMWATER INDUSTRIAL GENERAL	ROBINSON TERMINAL WAREHOUSE ALEXANDRIA HQ	2 DUKE ST	POTOMAC RIVER	PL28	38.803611	-77.056389
VAR051037	STORMWATER INDUSTRIAL GENERAL	UPS - ALEXANDRIA	5601 EISENHOWER	BACKLICK RUN	PL26	38.80053	-77.129201
VAR051067	STORMWATER INDUSTRIAL GENERAL	USPS - VEHICLE MAINTENANCE	2300 DUKE ST	TAYLOR RUN	PL26	38.805182	-77.069361
VAR051075	STORMWATER INDUSTRIAL GENERAL	COVANTA	5301 EISENHOWER AVE	CAMERON RUN	PL26	38.799444	-77.133611
VAR051098	STORMWATER INDUSTRIAL GENERAL	WMATA - RAIL YARD	3101 EISENHOWER AVE	CAMERON RUN	PL26	38.802778	-77.089167
VAR051466	STORMWATER INDUSTRIAL GENERAL	VIRGINIA PAVING ALEXANDRIA	5601 COURTNEY AVE	BACKLICK RUN	PL26	38.802778	-77.135278
VAR051503	STORMWATER INDUSTRIAL GENERAL	ASA ADVANCED WWTP	1500 EISENHOWER AVE	HOOFFS RUN	PL26	38.798333	-77.054722
VAR051762	STORMWATER INDUSTRIAL GENERAL	GORDON RECYCLING LLC	5902 FARRINGTON AVE	BACKLICK RUN	PL26	38.799746	-77.13631

City of Alexandria

State Permitted Stormwater Discharges



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Application	General Data	
Request: Consideration of a request to expand an existing restaurant.	**Planning Commission Hearing:**	January 5, 2010
	City Council Hearing:	January 23, 2010
Address: 115 & 119 South Royal Street	**Zone:**	CD/Commercial Downtown
Applicant: Fontaine, Inc.	**Small Area Plan:**	Old Town

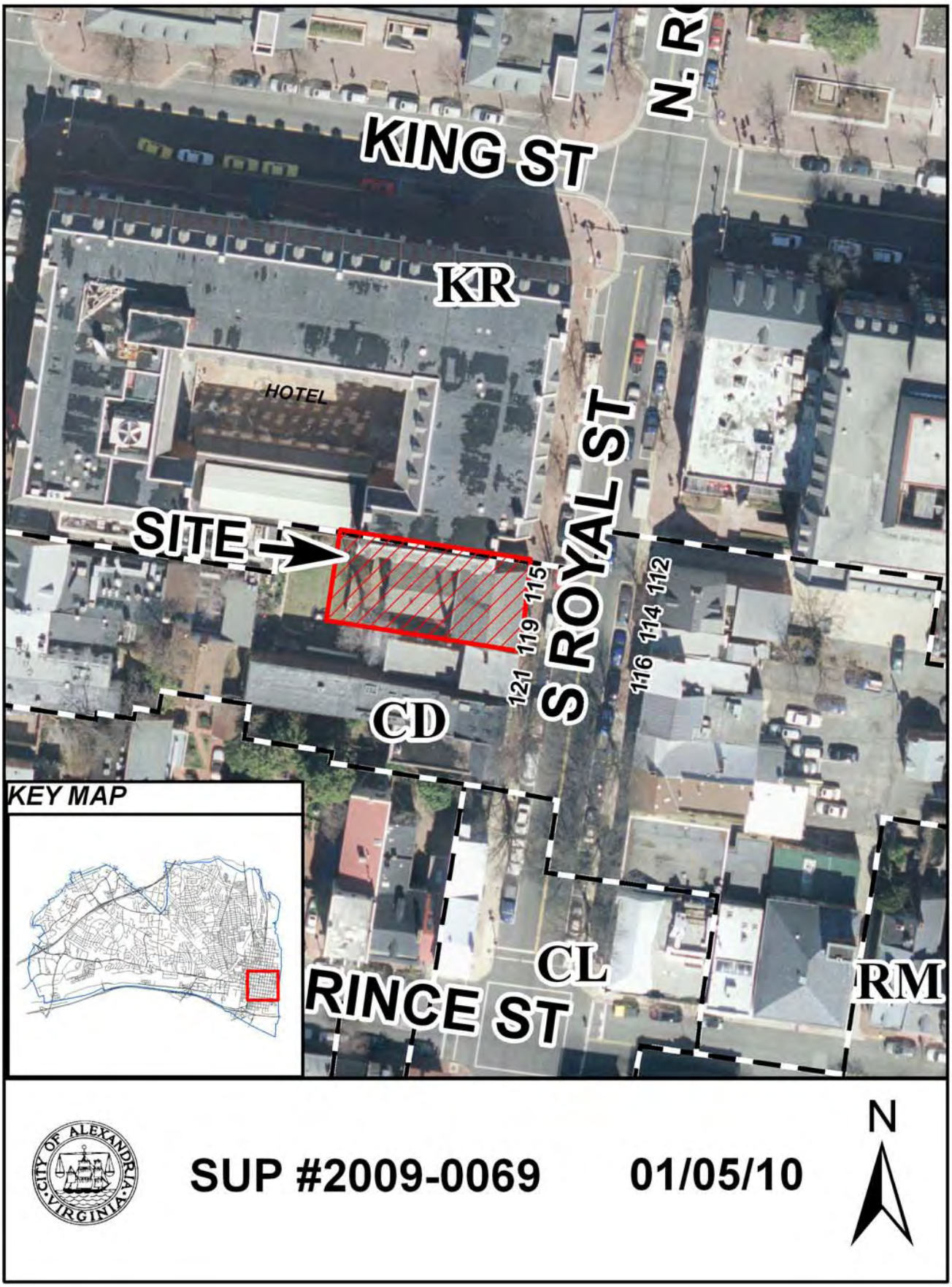
Staff Recommendation: APPROVAL subject to compliance with all applicable codes and ordinances and the recommended permit conditions found in Section III of this report.

Staff Reviewers: Nathan Randall nathan.randall@alexandriava.gov

CITY COUNCIL ACTION, JANUARY 23, 2010: City Council approved the Planning Commission recommendation.

PLANNING COMMISSION ACTION, JANUARY 5, 2010: On a motion by Mr. Dunn, seconded by Mr. Robinson, the Planning Commission voted to recommend approval of the request, subject to compliance with all applicable codes, ordinances, and staff recommendations. The motion carried on a vote of 7 to 0.

Reason: The Planning Commission agreed with staff analysis.


KING ST
N. R
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HOTEL
SITE
S ROYAL ST
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CD
KEY MAP
CL
RM
RINCE ST
CITY OF ALEXANDRIA VIRGINIA
SUP #2009-0069
01/05/10
N

entertainment. A few conditions have been deleted or amended to reflect current standards. Consistent with City Council policy adopted in June 2009, staff has not recommended that the applicant contribute $500 to the Streetscape Improvement Fund because the requirement applies only to new businesses.

In conclusion, staff believes that the restaurant expansion proposal is appropriate for this location and is consistent with the Old Town Restaurant Policy. Subject to the conditions contained in Section III of this report, staff recommends approval of the Special Use Permit request.

III. RECOMMENDED CONDITIONS

Staff recommends **approval** subject to compliance with all applicable codes and ordinances and the following conditions:

1. The special use permit shall be granted to the applicant only or to any business or entity in which the applicant has a controlling interest. (P&Z) (SUP#2532)

2. Seating shall be provided inside for no more than 55 patrons. Additional outdoor seating may be provided on the premises subject to approval by the Director of Planning and Zoning through the King Street Outdoor Dining Program. (P&Z)

3. No food, beverages, or other material shall be stored outside. (P&Z) (SUP#2532)

4. Trash and garbage shall be place in sealed containers which do not allow odors to escape and shall be stored inside or in closed containers which do not allow invasion by animals. No trash and debris shall be allowed to accumulate on site outside of those containers. (P&Z) (SUP2007-0025)

5. Trash and garbage shall be collected every day that service is available. (P&Z)(SUP#2532)

6. The hours of operation shall be limited to 7am- Midnight Daily. (P&Z) (SUP2007-0025)

7. Condition deleted. (P&Z) (SUP#2008-0045)

8. The applicant shall require its employees who drive to use off-street parking and/or provide employees who use mass transit with subsidized bus and rail fare media. The applicant shall also post DASH and Metrobus schedules on-site for employees. (T&ES) (SUP2007-0025)

9. Condition satisfied. (P&Z) (SUP#2008-0045)

10. Litter on the site and on public rights-of-way and spaces adjacent to or within 75 feet of the premises shall be picked up at least twice a day and at the close of business, and more often if necessary, to prevent an unsightly or unsanitary accumulation, on each day that the business is open to the public. (P&Z)(T&ES)(SUP#253B)

11. The applicant shall post the hours of operation at the entrance of the restaurant. (P&Z)(SUP#2532-B)

12. Kitchen equipment shall not be cleaned outside, nor shall any cooking residue be washed into the streets, alleys, or storm sewers. (T&ES)(SUP#2532-B)

13. The applicant shall conduct employee training sessions on an ongoing basis, including as part of any employee orientation, to discuss all SUP provisions and requirements, and on how to prevent underage sales of alcohol. (P&Z) (SUP2007-0025)

14. The applicant shall control odors, smoke and any other air pollution from operations at the site and prevent them from leaving the property or becoming a nuisance to neighboring properties, as determined by the Department of Transportation and Environmental Services. (T&ES) (SUP2007-0025)

15. All loudspeakers shall be prohibited from the exterior of the building and no amplified sounds shall be audible at the property line. (T&ES) (SUP2007-0025)

16. Condition deleted. (P&Z)

17. The applicant shall direct patrons to the availability of parking at nearby public garages and shall participate in any organized program to assist with both employee and customer parking for businesses that is formed as a result of suggested parking strategies in the King Street Retail Study. (P&Z)

18. Condition superseded by State law.

19. Provide a menu or list of foods to be handled at this facility to the Health Department prior to opening. (Health)

20. The applicant shall contact the Crime Prevention Unit of the Alexandria Police Department at 703-838-4520 for a security survey and robbery awareness program for employees. (Police)

21. Indoor live entertainment shall be permitted to the extent that no amplified sound is audible outside the restaurant. No admission or cover fee shall be charged. All entertainment shall be subordinate to the principal function of the restaurant as an eating establishment. Any advertising of the entertainment shall reflect the

IV. CITY DEPARTMENT COMMENTS

Legend: C - code requirement R - recommendation S - suggestion F - finding

Transportation & Environmental Services:

R-1 The applicant shall require its employees who drive to use off-street parking and/or provide employees who use mass transit with subsidized bus and rail fare media. The applicant shall also post DASH and Metrobus schedules on-site for employees. (T&ES) (SUP2008-0045)

R-2 Litter on the site and on public rights-of-way and spaces adjacent to or within 75 feet of the premises shall be picked up at least twice a day and at the close of business, and more often if necessary, to prevent an unsightly or unsanitary accumulation, on each day that the business is open to the public. (P&Z)(T&ES) (SUP2008-0045)

R-3 Kitchen equipment shall not be cleaned outside, nor shall any cooking residue be washed into the streets, alleys, or storm sewers. (T&ES) (SUP2008-0045)

R-4 The applicant shall control odors, smoke and any other air pollution from operations at the site and prevent them from leaving the property or becoming a nuisance to neighboring properties, as determined by the Department of Transportation and Environmental Services. (T&ES) (SUP2008-0045)

R-5 All loudspeakers shall be prohibited from the exterior of the building and no amplified sounds shall be audible at the property line. (T&ES) (SUP2008-0045)

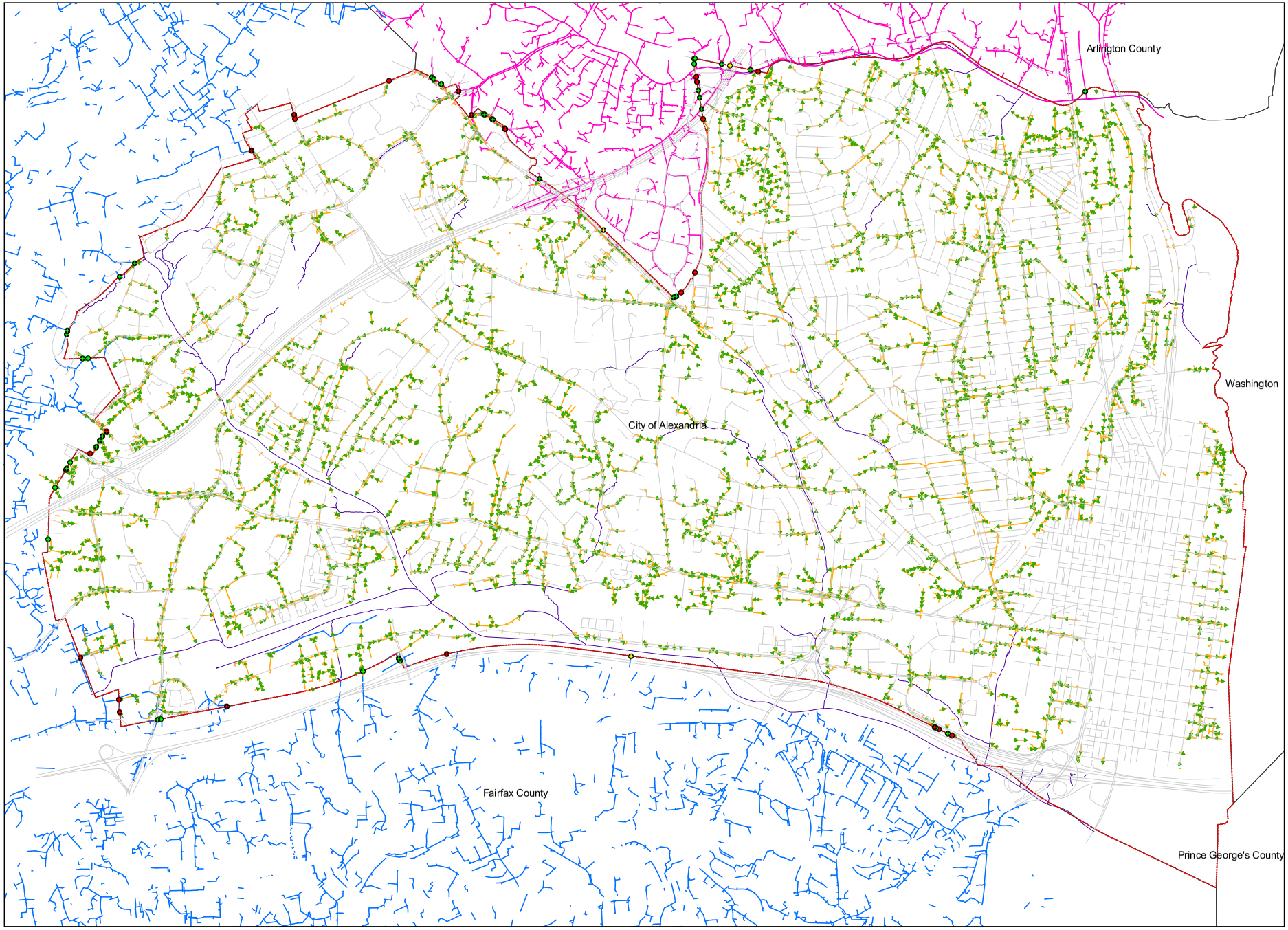
R-6 Deliveries, loading, and unloading activities shall not occur between the hours of 11:00pm and 7:00am. (T&ES) (SUP2008-0045)

R-7 Condition deleted.

R-9 The applicant shall direct patrons to the availability of parking at nearby public garages and shall participate in any organized program to assist with both employee and customer parking for businesses that is formed as a result of suggested parking strategies in the King Street Retail Strategy. (T&ES)

C-1 The applicant shall comply with the City of Alexandria's Solid Waste Control, Title 5, Chapter 1, which sets forth the requirements for the recycling of materials (Sec. 5-1-99).

In order to comply with this code requirement, the applicant shall provide a completed Recycling Implementation Plan (RIP) Form within 60 days of City Council approval. Contact the City's Recycling Program Coordinator at (703)



Regional Stormwater Flow

MS4 REPORT

Map Produced: September, 2010

Legend

Regional Stormwater Junction

Flow Direction

- IN
- OUT
- UNKNOWN
- Alexandria DGravityMain
- Fairfax STORMNET_ARCS
- Arlington Storm Mains
- Alexandria Boundry
- Road centerline
- Stream centerline

0 500 1,000 2,000 Feet

N

Data Sources:
Planimetric data is currently being updated based on March 2007 orthophotography.

Note:
Due to ongoing construction on the Woodrow Wilson Bridge, the configuration of some roads and interchanges may not be accurately reflected on this map.

Mapping Standards:
Coordinate System: NAD83 State Plane Virginia North
Projection: Lambert Conformal Conic
Map Units: Feet

This map was produced by the GIS Division of the Planning and Zoning Department, City of Alexandria, VA

The maps provided hereunder are provided "as is" and the City expressly disclaims all warranties, LICC and otherwise, express or implied, including warranties as to merchantability and fitness for a particular purpose, and further expressly disclaims responsibility for all indirect, consequential or special damages arising out of or in connection with the use or performance of the maps.

City of Alexandria

Department of Transportation and Environmental Services
Office of Environmental Quality
301 King Street
City Hall, Room 3000
Alexandria, VA 22314
www.alexandriava.gov/Environment

July 15, 2009

Kate Bennett, MS4 Permit Coordinator
Fairfax County Stormwater Planning Division
10255 Fairfax County Parkway
Fairfax, Virginia 22035

DELIVERED VIA EMAIL:

Subject: Notice of Potentially Interconnected Municipal Separate Storm Sewer System (MS4)

Attention: MS4 Permit Manager

The City of Alexandria operates as a Phase II MS4 community with coverage under the Virginia Stormwater Management Program (VSMP) General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (No. VAR 040057).

Pursuant to Section II.B.3.g of this permit, the City must "Notify, in writing, any downstream regulated MS4 to which the small regulated MS4 is physically interconnected of the small regulated MS4's connection to that system." This letter is to notify you of the potential for interconnections between the City's MS4 and the permitted stormwater system operated by Arlington County. Currently, we have not identified any points where the City's MS4 discharges stormwater into Arlington's regulated MS4; however, it is likely that interconnections exist.

As mentioned in our previous email correspondences and pursuant to Section II.B.3.b, the City is currently working on a mapping effort that will verify the "location of all known outfalls …including those physically interconnected to a regulated MS4…" City GIS Staff will be contacting you very soon to share information in order to identify and map any interconnections that may exist between our regulated stormwater systems. The City is scheduled to provide this map with its Annual Report due no later than October 1, 2010 to DCR.

Best Regards,

Jesse E. Maines
Water Quality Compliance Specialist
703-746-4071
Jesse.maines@alexandriva.gov

Cc: Mary Beth Fletcher, GIS Mapping Center Bureau Chief, mfletcher@arlingtonva.us

City of Alexandria

Department of Transportation and Environmental Services
Office of Environmental Quality
301 King Street
City Hall, Room 3000
Alexandria, VA 22314
www.alexandriava.gov/Environment

July 15, 2009

Gayle England
Stormwater Specialist
Department of Environmental Services
Arlington County, Virginia

DELIVERED VIA EMAIL: Gengland@arlingtonva.us

Subject: Notice of Potentially Interconnected Municipal Separate Storm Sewer System (MS4)

Attention: MS4 Permit Manager

The City of Alexandria operates as a Phase II MS4 community with coverage under the Virginia Stormwater Management Program (VSMP) General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (No. VAR 040057).

Pursuant to Section II.B.3.g of this permit, the City must "Notify, in writing, any downstream regulated MS4 to which the small regulated MS4 is physically interconnected of the small regulated MS4's connection to that system." This letter is to notify you of the potential for interconnections between the City's MS4 and the permitted stormwater system operated by Arlington County. Currently, we have not identified any points where the City's MS4 discharges stormwater into Arlington's regulated MS4; however, it is likely that interconnections exist.

As mentioned in our previous email correspondences and pursuant to Section II.B.3.b, the City is currently working on a mapping effort that will verify the "location of all known outfalls …including those physically interconnected to a regulated MS4…" City GIS Staff will be contacting you very soon to share information in order to identify and map any interconnections that may exist between our regulated stormwater systems. The City is scheduled to provide this map with its Annual Report due no later than October 1, 2010 to DCR.

Best Regards,

Jesse E. Maines
Water Quality Compliance Specialist
703-746-4071
Jesse.maines@alexandriva.gov

Cc: Mary Beth Fletcher, GIS Mapping Center Bureau Chief, mfletcher@arlingtonva.us

City of Alexandria

Department of Transportation and Environmental Services
Office of Environmental Quality
301 King Street
City Hall, Room 3000
Alexandria, VA 22314
www.alexandriava.gov/Environment

July 15, 2009

Roy T. Mills
Location and Design Division
State Stormwater Program Administrator
Virginia Department of Transportation

DELIVERED VIA EMAIL: Roy.Mills@VDOT.Virginia.gov

Subject: Notice of Potentially Interconnected Municipal Separate Storm Sewer System (MS4)

Attention: MS4 Permit Manager

The City of Alexandria operates as a Phase II MS4 community with coverage under the Virginia Stormwater Management Program (VSMP) General Permit for Discharges of Stormwater from Small Municipal Separate Storm Sewer Systems (No. VAR 040057).

Pursuant to Section II.B.3.g of this permit, the City must "Notify, in writing, any downstream regulated MS4 to which the small regulated MS4 is physically interconnected of the small regulated MS4's connection to that system." This letter is to notify you of the potential for interconnections between the City's MS4 and the permitted stormwater system operated by the Virginia Department of Transportation (VDOT). Currently, we have not identified any points where the City's MS4 discharges stormwater into VDOT's regulated MS4; however, it is likely that interconnections exist.

As mentioned in my July 15, 2010 email and pursuant to Section II.B.3.b, the City is currently working on a mapping effort that will verify the "location of all known outfalls …including those physically interconnected to a regulated MS4…" We would like to work together and share information so that each party may have adequate information to identify any interconnections that may exist between our regulated stormwater systems. The City is scheduled to provide this map with its Annual Report due no later than October 1, 2010 to DCR.

Please contact me at your earliest convenience to work together on the mapping effort.

Best Regards,

Jesse E. Maines
Water Quality Compliance Specialist
703-746-4071
Jesse.maines@alexandriva.gov

Cc: Morris Z. Walton via email – Morris.Walton@VDOT.Virginia.gov

City of Alexandria

MS4 Reporting Period 2009-2010

Dry Weather Outfall Screening

FACILITY ID	WATERSHED	XCOORD	YCOORD	PIPE TYPE	DRY WEATHER FLOW (CURRENT)	DRY WEATH FLOW (PREVIOUS)1	OUTFALL LOCATION	HUC	DATE	MILITARY TIME	PERFORM-ED BY	PIPE MATERIAL	OUTFALL SHAPE	# OF PIPES	OUTFALL DIAMETER (in)	SUBMERGED IN WATER	SUBMERGED IN SEDIMENT	OBSERVED DRY WEATHER FLOW [2]	FLOW DESCRIP-TION	WERE FIELD PARAMETERS MEASURED [2]	PHYSICAL INDICATORS [2]	ODOR	ODOR SEVERITY	COLOR
000001IO	Taylor Run	11886440.46	6984163.82	OUTLET	NO	NONE	1124 Francis Hammond Pkwy	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	24	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000003IO	Taylor Run	11886723.66	6983909.517	OUTLET	NO	NONE	1231 Kingston Ave	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	16	NO	NO	FALSE		FALSE	FALSE			
000004IO	Taylor Run	11886768.19	6983959.464	OUTLET	NO	NONE	1100 Francis Hammond Pkwy	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	16	NO	HALF FULL	FALSE		FALSE	FALSE			
000005IO	Taylor Run	11886527.7	6983494.552	OUTLET	NO	NONE	703 Kingston PL	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	18	NO	NO	FALSE		FALSE	FALSE			
000008IO	Taylor Run	11885959.42	6984253.377	OUTLET	NO	NONE	1214 Key Dr	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	16	NO	PARTIALLY	FALSE		FALSE	FALSE			
000010IO	Taylor Run	11884893.22	6983957.149	OUTLET	NO	NONE	1420 Key Dr	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	32	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000011IO	Four Mile Run	11878084.23	6991300.582	OUTLET	NO	NONE	BEAUREGARD, EAST SIDE OF CREEK IN MEDIAN	PL25	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	15	NO	HALF FULL	FALSE		FALSE	FALSE			
000015IO	Taylor Run	11886772.62	6985948.309	OUTLET	NO	NONE	3210 King St Chinquapin Rec Center	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	72	NO	NO	TRUE	MODERATE	FALSE	FALSE			
000016IO	Taylor Run	11887114.73	6985732.021	OUTLET	NO	NONE	3125 King St, across the street in Chinquapin	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	36	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000017IO	Taylor Run	11887237.89	6985607.025	OUTLET	NO	NONE	3117 King St, across the street in Chinquapin	PL26	5/21/2010	1/0/1900	JEM	CMP	CIRCULAR	SINGLE	36	NO	NO	FALSE		FALSE	FALSE			
000074IO	Taylor Run	11885800.97	6984307.115	OUTLET	YES	COLOR	1302 Key Dr	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	50	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000075IO	Taylor Run	11885834.11	6984309.427	OUTLET	NO	NONE	1500 Key Dr	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	50	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000077IO	Taylor Run	11887269.74	6985371.613	OUTLET	NO	NONE	3210 King St	PL26	5/21/2010	1/0/1900	JEM						HALF FULL	FALSE		FALSE	FALSE			
000081IO	Four Mile Run	11878591.94	6991633.529	OUTLET	NO	NONE	N BEAUREGARD AND BRADDOCK	PL25	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	DOUBLE	48	PARTIALLY	NO	TRUE	MODERATE	FALSE	FALSE			
000084IO	Four Mile Run	11877698.77	6990958.551	OUTLET	NO	NONE	BEAUREGARD AND FILLMORE ON CREEK	PL25	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	48	NO	NO	FALSE		FALSE	FALSE			
000087IO	Four Mile Run	11877704.46	6990955.321	OUTLET	NO	NONE	BEAUREGARD CREEK AT FILLMORE	PL25	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	48	NO	NO	TRUE	MODERATE	FALSE	FALSE			
000139IO	Holmes Run	11876209.96	6989364.577	OUTLET	NO	NONE	MARK CENTER	PL26	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	36	NO	PARTIALLY	FALSE		FALSE	FALSE			
000140IO	Holmes Run	11876263.86	6988913.324	OUTLET	YES	FROM A POND WITH FOUNTAIN	WINKLER BOTANICAL PRESERVE, OFF MARK CENTER POND	PL26	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	48	NO	NO	TRUE	MODERATE	FALSE	FALSE			
000141IO	Holmes Run	11876298.91	6988884.535	OUTLET	NO	NONE	WINKLER PRESERVE, EAST OF MARK CENTER POND	PL26	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	36	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000206IO	Holmes Run	11874666	6983971.431	OUTLET	YES	DRY WEATHER DISCHARGE	END OF N PELHAM ST	PL26	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	30	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000275IO	Holmes Run	11875749.91	6983031.874	OUTLET	YES		CANTERBURY SQUARE AND HOLMES RUN PKWY	PL26	6/8/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	18	NO	NO	FALSE		FALSE	FALSE			
000340IO	Hooff's Run (Timber Branch)	11893771.36	6978878.931	OUTLET	NO		BEHIND LAPORTA 1600 DUKE ST	PL26	6/22/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	18	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000341IO	Hooff's Run (Timber Branch)	11893770.71	6978765.679	OUTLET	NO		JAMIESON AVE MARRIOTT	PL26	6/22/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	42	NO	NO	TRUE	TRICKLE	FALSE	FALSE			
000356IO	Potomac River	11896319.76	6991938.933	OUTLET	NO	NONE	3601 POTOMAC AVE	PL25	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	30	NO	NO	FALSE		FALSE	FALSE			
000357IO	Potomac River	11896231.97	6991944.008	OUTLET	NO	NONE	3601 POTOMAC AVE	PL25	5/26/2010	1/0/1900	JEM	RCP	ELLILPTICAL	SINGLE	38	NO	NO	FALSE		FALSE	FALSE			
000358IO	Potomac River	11896204.48	6992002.252	OUTLET	NO	NONE	3601 POTOMAC AVE	PL25	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	20	NO	NO	FALSE		FALSE	FALSE			
000359IO	Potomac River	11896193.55	6992139.112	OUTLET	NO	NONE	3601 POTOMAC AVE	PL25	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	32	NO	NO	FALSE		FALSE	FALSE			
000363IO	Potomac River	11896580.3	6990238.997	OUTLET	NO	NONE	3601 POTOMAC AVE	PL25	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	27	NO	NO	FALSE		FALSE	FALSE			
000370IO	Potomac River	11896463.83	6990092.161	OUTLET	NO	NONE	3601 POTOMAC AVE	PL25	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	48	PARTIALLY	NO	FALSE		FALSE	FALSE			
000371IO	Potomac River	11896452.81	6990224.379	OUTLET	NO	NONE	3601 POTOMAC AVE	PL25	5/26/2010	1/0/1900	JEM	RCP	ELLILPTICAL	SINGLE	40	NO	NO	FALSE		FALSE	FALSE			
000377IO	Potomac River	11895761.58	6988374.941	OUTLET	NO	NONE	420 SWANN AVE	PL25	6/8/2010	1/0/1900	JEM	STEEL	CIRCULAR	SINGLE	14	NO	PARTIALLY	FALSE		FALSE	FALSE			
000424IO	Four Mile Run	11890056.31	6989201.547	OUTLET	YES	DRY WEATHER DISCHARGE	2807 OLD DOMINION BLVD	PL25	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	42	PARTIALLY	NO	TRUE	MODERATE	FALSE	TRUE			
000439IO	Four Mile Run	11892693.92	6990552.625	OUTLET	NO	NONE	3100 WILSON AVE	PL25	6/8/2010	1/0/1900	JEM	CONCRETE	CIRCULAR	SINGLE	24	NO	HALF FULL	FALSE		FALSE	FALSE			
000450IO	Four Mile Run	11895169.36	6992340.963	OUTLET	NO	NONE	3900 JEFF DAVIS HWY	PL25	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	36	NO	NO	FALSE		FALSE	FALSE			
000452IO	Four Mile Run	11894838.04	6992290.594	OUTLET	NO	NONE	3900 JEFF DAVIS HWY	PL25	5/26/2010	1/0/1900	JEM	STEEL	CIRCULAR	DOUBLE	60	PARTIALLY	NO	FALSE		FALSE	FALSE			
000493IO	Potomac River	11898260.33	6976296.936	OUTLET	NO	None	800 LEE ST	PL28	6/22/2010	1/0/1900	JEM	PVC	CIRCULAR	SINGLE	15	NO	NO	FALSE		FALSE	FALSE			
000495IO	Potomac River	11898622.13	6977135.212	OUTLET	NO	None	END OF GIBBON ST AT UNION	PL28	6/22/2010	1/0/1900	JEM	CONCRETE	BOX	SINGLE	36	PARTIALLY	PARTIALLY	TRUE	TRICKLE	FALSE	FALSE			

COLOR SEVERITY	TURBIDITY SEVERITY	SURFACE OR FLOATABLES	SURFACE SEVERITY	OTHER PHYSICAL INDICATORS	OUTFALL DAMAGE	DEPOSITS OR STAINS	PIPE BENTHIC GROWTH	ILLICIT DISCHARGE CHARACTERIZATION	GRAB SAMPLE COLLECTED	IF YES, SAMPLE ID	COLLECTED FROM	FOLLOW-UP REQUIRED BASED ON FLOW?	OBSERVATIONS AND FOLLOW-UP ACTIVITIES
				FALSE				2. UNLIKELY	FALSE			TRUE	5/21/2010: Popped mapped MH (closest), obs flow. Popped unmapped MH upstream, obs flow. Did not obs flow in most adjacent CI or the one further upstream. Obs small area of standing water west & north from the Key Drive Francis Hammond Pkwy intersection; which may be evidence of high groundwater and therefore infiltration.
				TRUE			ORANGE	1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				TRUE	SPALLING, CRACKING, OR CHIPPING			1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				2. UNLIKELY	FALSE			FALSE	Piped groudwater/stream that provides perrenial flow.
				FALSE				1. NONE	FALSE			FALSE	
				TRUE			ORANGE	2. UNLIKELY	FALSE			FALSE	Pipped stream / headwaters Taylor Run.
		SUDS		FALSE			BLACK	presence of two or	FALSE			TRUE	Outfall flow obs. Small amount of suds at pooled water in stream. Suds was mostly white with brown edges. Need to further investigate upstream.
				FALSE				1. NONE	FALSE			FALSE	
				TRUE			ORANGE	2. UNLIKELY	FALSE			FALSE	Piped groundwater / stream. This outfall is downstream from 000010IO on the same "stream".
				TRUE			ORANGE	2. UNLIKELY	FALSE			FALSE	Piped groudwater /stream flow. Downstream from 000010IO and 00074IO.
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				2. UNLIKELY	FALSE			FALSE	Double 48" RCP that conveys the stream in the Beauregard median. Channel is approximately trapezoidal with stacked concrete blocks.
				FALSE				2. UNLIKELY	FALSE			FALSE	
				FALSE				2. UNLIKELY	FALSE			FALSE	Piped Beauregard median creek (unnamed)
				FALSE				1. NONE	FALSE			FALSE	
	1. SLIGHT CLOUDINESS			FALSE				2. UNLIKELY	FALSE			FALSE	Flow likely from Mark Center / Hilton Pond. Only one indicator and turbidity possible from BRAC construction as source.
				FALSE				2. UNLIKELY	FALSE			FALSE	Probably coming from Fountain. Observed reddish clay material at the outfall for approximately 75-100'.
				FALSE				2. UNLIKELY	FALSE			FALSE	Did not find source, manholes were not accessible with tool. As this was previously flowing, need to detect source. No odor or color was present. Probably spring flow. No iron bacteria color present. No presence of two or more indicators; therefore illicit flow is unlikely.
				FALSE	SPALLING, CRACKING, OR CHIPPING			1. NONE	FALSE			FALSE	Last section of pipe has deflected down and a 10-12" gap is visible between the next section.
				FALSE			ORANGE	2. UNLIKELY	FALSE			FALSE	Iron Bacteria; flow from subterranean garage
				FALSE			GREEN	2. UNLIKELY	FALSE			FALSE	Flow from Marriott garage sump.
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
	1. SLIGHT CLOUDINESS			FALSE				2. UNLIKELY	FALSE			FALSE	Piped perennial stream through Beverly Hills / Monticello Park.
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE				1. NONE	FALSE			FALSE	
				FALSE					FALSE			FALSE	
				FALSE				2. UNLIKELY	FALSE			FALSE	Piped stream/spring. No illicit flow.

000499IO	Hooff's Run (Timber Branch)	11887957.9	6987122.845	OUTLET	YES	UNUSUAL DRY WEATHER DISCHARGE	Behind 2419 Valley Dr	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	60	NO	NO	TRUE	MODERATE	FALSE	FALSE
000500IO	Hooff's Run (Timber Branch)	11887977.39	6987119.421	OUTLET	NO	NONE	Behind 2419 Valley Dr	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	15	NO	NO	TRUE	TRICKLE	FALSE	FALSE
000501IO	Hooff's Run (Timber Branch)	11887985.29	6987106.255	OUTLET	YES	UNUSUAL DRY WEATHER DISCHARGE	Behind 2419 Valley Dr	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	18	PARTIALLY	PARTIALLY	FALSE		FALSE	FALSE
000503IO	Hooff's Run (Timber Branch)	11887961.33	6987104.763	OUTLET	YES	UNUSUAL DRY WEATHER DISCHARGE	Behind 2419 Valley Dr	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	18	PARTIALLY	FULLY	FALSE		FALSE	FALSE
000507IO	Hooff's Run (Timber Branch)	11888186.46	6986751.504	OUTLET	NO	NONE	South Side of Braddock, Timber Branch Piped	PL26	5/26/2010	1/0/1900	JEM	STONE	ARCH	SINGLE	64	PARTIALLY	NO	TRUE	MODERATE	FALSE	FALSE
000508IO	Hooff's Run (Timber Branch)	11888182.81	6986748.996	OUTLET	NO	NONE	EAST SIDE OF WINGWALL FOR PIPED TIMBER BRANCH	PL26	5/26/2010	1/0/1900	JEM	CONCRETE	CIRCULAR	SINGLE	12	NO	NO	FALSE		FALSE	FALSE
000509IO	Hooff's Run (Timber Branch)	11888189.54	6986745.918	OUTLET	NO	NONE	WEST SIDE OF WINGWALL, PIPED TIMBER BRANCH	PL26	5/26/2010	1/0/1900	JEM	CONCRETE	CIRCULAR	SINGLE	18	NO	NO	FALSE		FALSE	FALSE
000511IO	Hooff's Run (Timber Branch)	11888524.98	6985738.759	OUTLET	NO	NONE	808 W TIMBER BRANCH PKWY	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	15	NO	NO	FALSE		FALSE	FALSE
000512IO	Hooff's Run (Timber Branch)	11888635.96	6985228.641	OUTLET	NO	NONE	710 PARKWAY TR	PL26	5/26/2010	1/0/1900	JEM	CONCRETE	CIRCULAR	SINGLE	12	NO	NO	FALSE		FALSE	FALSE
000513IO	Hooff's Run (Timber Branch)	11888607.65	6985390.952	OUTLET	NO	NONE	718 W TIMBER BRANCH PKWY	PL26	5/26/2010	1/0/1900	JEM	CONCRETE	CIRCULAR	SINGLE	12	NO	NO	FALSE		FALSE	FALSE
000518IO	Hooff's Run (Timber Branch)	11889036.07	6984809.285	OUTLET	NO	NONE	6229 OAKLEY PL	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	32	PARTIALLY	NO	FALSE		FALSE	FALSE
000519IO	Hooff's Run (Timber Branch)	11889194.24	6984492.096	OUTLET	NO	NONE	644 W TIMBER BRANCH PKWY	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	18	NO	NO	TRUE	TRICKLE	FALSE	FALSE
000520IO	Hooff's Run (Timber Branch)	11889264.36	6984339.698	OUTLET	YES	UNUSUAL DRY WEATHER DISCHARGE	636 W TIMBER BRANCH PKWY	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	15	NO	NO	TRUE	TRICKLE	FALSE	FALSE
000521IO	Hooff's Run (Timber Branch)	11888973.7	6984889.747	OUTLET	YES	UNUSUAL DRY WEATHER DISCHARGE	690 W TIMBER BRANCH PKWY	PL26	5/26/2010	1/0/1900	JEM	PVC	CIRCULAR	SINGLE	14	NO	NO	FALSE		FALSE	FALSE
000522IO	Hooff's Run (Timber Branch)	11888592.34	6985576.612	OUTLET	YES	UNUSUAL DRY WEATHER DISCHARGE	801 E TIMBER BRANCH PKWY	PL26	5/26/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	15	NO	NO	FALSE		FALSE	FALSE
000527IO	Hooff's Run (Timber Branch)	11889265.48	6984379.21	OUTLET	NO	NONE	647 OAKLAND TR	PL26	5/26/2010	1/0/1900	JEM	CONCRETE	CIRCULAR	SINGLE	20	NO	NO	FALSE		FALSE	FALSE
000529IO	Taylor Run	11887734.92	6984458.919	OUTLET	NO	NONE	2932 King St	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	15	NO	NO	FALSE		FALSE	FALSE
000530IO	Taylor Run	11887900.99	6984281.077	OUTLET	NO	NONE	2932 King St	PL26	5/21/2010	1/0/1900	JEM	RCP	CIRCULAR	SINGLE	24	NO	NO	FALSE		FALSE	FALSE

1. Field Crews made observations and noted if dry weather flows were observed during the storm and sanitary sewer surveying effort
2. True = Yes, False = No

Please refer to the MS4 IDDE WorkPlan and SOP for more explanation of entires and the Field Sheet.
Data in this spreadsheet is based on the Field Sheet information entered during field visit. Please refer to Field Sheet for choices.

TRUE		BLACK	2. UNLIKELY	FALSE	FALSE	Piped perrenial stream - Timber Branch main stem.
TRUE		ORANGE	2. UNLIKELY	FALSE	FALSE	Pipe Benthic growth (orange) indicates flow is from a groundwater source. Check curb inlets (CI) south and adjacent and did not observe flow.Check 10/10/10 Cis and obs trickle and orange (iron bacteria) as indication of groundwater flow. Popped MH northeast of Valley X Fordham - this is a sewer lateral junction. Based on the above observations and investigation, believe the source of flow is infiltrating groundwater. No further investigation is needed.
FALSE			1. NONE	FALSE	FALSE	
FALSE	SPALLING, CRACKING, OR CHIPPING		1. NONE	FALSE	FALSE	
TRUE		BLACK	2. UNLIKELY	FALSE	FALSE	OUTFALL IS TIMBER BRANCH PIPED UNDER BRADDOCK RD.
FALSE			1. NONE	FALSE	FALSE	
FALSE			1. NONE	FALSE	FALSE	
FALSE			1. NONE	FALSE	FALSE	
FALSE			1. NONE	FALSE	FALSE	
FALSE			1. NONE	FALSE	FALSE	
FALSE			1. NONE	FALSE	FALSE	
TRUE		ORANGE	2. UNLIKELY	FALSE	FALSE	Source: Residential lawn watering and sump pump discharge obs in gutter pan. Orange benthic pipe growth indicative of groundwater flow.
TRUE		GREEN		FALSE	FALSE	Flippo spraying water to clean the throat of the CI. Obs the truck doing this for a number of inlets. Spoke to the driver and he said this activity is part of the city's contract work.
FALSE			1. NONE	FALSE	FALSE	
FALSE			1. NONE	FALSE	FALSE	Previous dry weather flow observed during initial inventory. No dry weather flow observed.
FALSE			1. NONE	FALSE	FALSE	
FALSE			1. NONE	FALSE	FALSE	
FALSE			1. NONE	FALSE	FALSE	

CITY OF ALEXANDRIA PHASE II MS4 PERMIT:
REPORTING PERIOD JULY 1, 2009 – JUNE 30, 2010

MS4 PROGRAM PLAN MCM #3 IMPLEMENTATION SCHEDULE: BMP 3I
ASSESSMENT OF PROPERTIES FOR SOURCES OF PCBS AND BACTERIA AND ASSIGNMENT OF "HIGH RISK" TO MUNICIPAL FACILITIES

I. BACKGROUND

4VAC50-60-1240 Section I.B.6 of the VSMP MS4 Phase II General Permit requires the City to address total maximum daily load (TMDL) wasteload allocations (WLAs) through the measurable goals of the MS4 Program Plan. All properties owned or operated by the City that are not covered under a separate NPDES permit must be evaluated for potential sources of the pollutant identified in the WLA. As a result, the City conducted this evaluation for PCBs for all properties. The evaluation for bacteria is only required in the non-tidal portion of the Four Mile Run watershed.

The site review assessment included research into current and past use to determine if the pollutant identified in the WLA was currently stored, or had been transferred, transported or historically disposed of in a manner that would expose it to precipitation. Properties where it was determined that this did occur were then assigned as "high risk" facilities for further evaluation. Pursuant to the schedule of the MS4 permit, the City will characterize the runoff for those "high risk" properties during the 2010-2011 Reporting Period (PY3).

Alexandria has two stormwater-related WLAs associated with approved TMDLs. The first is the Four Mile Run TMDL for fecal coliform bacteria. This TMDL, adopted in 2002, affects only the 1.7 square miles of the City where outfalls drain to the non-tidal portion of Four Mile Run. The second is the Tidal Potomac TMDL for PCBs. This TMDL, adopted in 2007, affects the entire land area of the City. The City performed the following due diligence activities in investigating the likelihood of municipal facilities generating contaminated stormwater runoff discharges associated with historic PCB releases or fecal coliform (and E. coli) bacteria.

II. RESEARCH METHODOLOGY FOR SITE REVIEW ASSESSMENT ASSOCIATED WITH PCBS

Research was performed to evaluate the likelihood of PCB contamination at municipal properties that may likely impact stormwater runoff from these properties. The City researched EPA databases for registered sites and location of PCB-containing transformers. A review was made of EPA's most recent available (January 2008) PCB Transformer Registration Database to determine if any transformers were registered within the City of Alexandria, and more specifically for any municipal properties. The searches did not return any data related to City properties.

A review was also made of an available report that included municipal facilities. Staff obtained a copy of a Phase I Environmental Site Assessment (ESA) that was generated for portions of six contiguous parcels on Wheeler Avenue in Alexandria. The ESA was performed for the Alexandria Police Complex on Wheeler Ave and was reviewed by City contaminated lands staff during plan review for the proposed development project. The study site contained municipal facilities previously located at the proposed location and the radius check included additional nearby municipal facilities, as well as addresses for some of those municipal facilities that were relocated to make room for the Alexandria Police Complex.

For those municipal properties not covered by the ESA, other research methods were used. Interviews with City personnel, review of Permit Plan tracking software, Laserfiche archives, and the Clerk of Circuit Court Land Records were utilized to ascertain if there was a likelihood of PCB contamination for the Transportation & Environmental Services (T&ES) building at 2900 Business Center Drive and the T&ES Impound Lot at 5225 Eisenhower Avenue.

1. **EPA's most recent available (January 2008) PCB Transformer Registration Database** (http://www.epa.gov/epawaste/hazard/tsd/pcbs/pubs/data.htm)

All Transformer Registrations (Date) Table
The "All Transformer Registrations" table is a historical database of PCB transformer registrations that includes all PCB registration submittals. This table can be used to track the changes in the number and weight of PCB transformers by location. The table posted on the website is sorted by location for this purpose. Deregistered PCB transformers are included in this historical database. The date in the table name indicates the last time the table was updated. However, due to the time required to process new submittals, not every PCB registration submitted prior to this date will have been entered into the table.

Most Recent Registrations (Date) Table
The "Most Recent Registrations" table contains only the most recent active PCB transformer registrations by location, thus indicating the best known current status of PCB transformers. The "date signed" field indicates the last PCB registration update for the location. There may be multiple entries for a location, indicating multiple sites (see above for definition) at the same location. The date in the title of the "Most Recent Registrations" table will correspond with the date of the All Transformer Registrations table, and indicates the last time the tables were modified. However, due to the time required to process new submittals, not every PCB registration submitted prior to this date will have been entered into the table

Notification of PCB Activity Quarterly Reports
These are PDF reports of all facilities that have notified EPA of PCB activity. To find specific records, use the search function. (Updated February 2010)

2. **Phase I Environmental Site Assessment Report**

A Phase I Environmental Site Assessment (ESA) was conducted for portions of six contiguous parcels on Wheeler Avenue as due diligence activities associated with the proposed location of the Alexandria Police Complex (May 2008). The ESA was performed in accordance with applicable American Society of Testing Materials (ASTM) Standard Practice for Environmental Site Assessments (E 1527-05), which included a site inspection, regulatory records reviews, historical reviews and interviews to identify Recognized Environmental Conditions (RECs) that could create potential environmental liability. A major component of the ESA is a report that outlines a search of available environmental records conducted by Environmental Data Resources, Inc. (EDR) and a Radius Map. This report assists in meeting the requirements of EPA's Standards and Practices for All Appropriate Inquires (40 CFR Part 312) and ASTM E 1527-05, or requirements developed for the evaluation of environmental risks associated with a parcel of real estate. Portions of six contiguous municipal properties on Wheeler Avenue were considered for evaluation in the ESA. Staff reviewed the ESA to ascertain if PCBs were an issues for any municipal facilities included in the study area. None of the properties evaluated were listed for PCBs.

3. Interviews with Staff

The City conducted interviews with Staff to inquire about current and past uses in order to ascertain if PCB. No instances of storage, transfer, transportation or disposal at the locations were known by staff at the two locations.

4. City Database Search

The City's permit and tracking system and the electronic archives (Laserfiche) databases were reviewed to better understand past uses and to see if any environmental issues or reports were noted; order to ascertain if past use or events warranted further investigation and characterization of runoff.

5. Land Records Search

Lastly, a search was made in using the Clerk of Circuit Court Land Records to determine past ownership, and therefore possible past uses of the municipal properties located at 2900 Business Center Drive and the Impound Lot at 5225 Eisenhower Avenue. Covenants and Restrictions from 1998 related to Nuisance Factors and Hazards, Disposal of Waste and Rubbish, and Storage of Material and Equipment, if followed, would preclude the presence of PCBs on the property. The Impound Lot property was purchased from a private land owner in 1964 and is still owned by the City. No activities at this location would warrant further site characterization.

The following table lists municipal facilities that were assessed as part of this effort to evaluate for current of historical uses that would impact stormwater runoff. The table provides the department or division utilizing the facility, the address, the current use, and the investigatory tools used to evaluate risk of pollutants identified in the WLA being exposed to precipitation.

Department and Division Utilizing the Facility	Address	Current Use	Evaluative Tool(s)
T&ES, Maintenance & Solid Waste Divisions	2900 Business Center Drive	Vehicle and Equipment Parking, Maintenance, Hazardous materials storage	Interviews, Permit Plan, Laserfiche archives, Land Records
T&ES, Maintenance & Solid Waste Divisions	133 S. Quaker Lane	Vehicle and Equipment Parking	EPA databases, ESA
General Services Fueling Station	3550 Wheeler Ave	Fuel Depot	EPA databases, ESA
General Services, Fleet Services Division	Quaker Lane entrance Roth	Vehicle and Equipment Parking, Maintenance, Hazardous materials storage	EPA databases, ESA
T&ES, Solid Waste Recycling and HHW Facility	Wheeler Ave	Recycling and HHW drop off	EPA databases, ESA
T&ES, Transportation Division Impound Lot	5249 Eisenhower Ave	Vehicle Storage	Interviews, Permit Plan, Laserfiche archives, Land Records
Recreation, Parks, & Cultural Affairs	2900 Business Center Drive	Vehicle and Equipment Parking, Maintenance, materials storage	Interviews, Permit Plan, Laserfiche archives, Land Records

III. Site Review Assessment Associate with Fecal Coliform Bacteria

Staff evaluated the likelihood of Fecal Coliform contamination at municipal properties that may likely impact stormwater runoff from these properties. Fort Ward Park in Non-tidal Four Mile Run at 4301 W. Braddock Road contains a dog exercise area. Unleashing dogs or allowing dogs to urinate or defecate in the park (except in the dog exercise area) is prohibited. Dogs may defecate in the dog exercise area; however, owners are required to clean-up after their pet and place the bagged waste in receptacles or pack it out of the park. The Dog Exercise Area is located in North Fort Ward Park East of Park Road. Outfalls from the park do not discharge directly into Non-tidal Four Mile Run.

IV. Conclusion

Based the EPA database review for registered sites, our evaluation of the ESA that included a number of municipal facilities, interviews with staff, review of City databases and Land Records search; we conclude that PCBs have not been transferred, transported, or historically disposed of in a manner that would expose it to precipitation at any municipal facilities. All of these are discussed in more detail below. Therefore, the City does not have any facilities that should be categorized as a “high risk” for PCBs and stormwater runoff characterization will not be performed for this pollutant identified in the WLA.

The City has an ordinance in place for picking up after your pet and displays this ordinance on a sign in this park. The City also has an aggressive education and outreach program related to pet waste and provides trash receptacles throughout the park for placing pet waste bags. Therefore, the City concluded that the Fort Ward Dog Park is not a “high risk” facility.