

Environmental Industrial Group Meeting
April 23, 2013

Agenda

1. Case Briefings

- 3/21/13 – 4320 Loyola Ave, blue substance – determined to be illegal dumping from pool, 1 arrest
- 3/22/13 – Diesel spill at NRG, contained to truck wash – charges pending for delayed notification
- 3/29/13 – Illegal Dumping of mattress, Hume Ave – 1 arrest
- Additional illegal dumping in Hume Springs, area of Edison / Mark Dr
- 4/9/13 – Sewage release from Arlington County into Four Mile Run
- 4/11/13 – Vehicle leaking fluids on Wheeler Ave / Gordon St. – 1 arrest
- 4/16/13 and 4/18/13 – Hydraulic oil spill 299 S. Van Dorn St
- 4/16/13 – Fuel leak from RV on S. Payne St
- 4/23/13 – Concrete dust into storm drain, S. Washington and Jefferson St

2. Significant Facility Updates

3. Department briefings and comments (Fire, Police, OEQ, Zoning, Code)

- Discussion on parking of commercial vehicles and RVs

Next Meeting Date / Location:

May 29, 2013 Location: Sister Cities Room 1101

Environmental Industrial Group Meeting
July 24, 2012

Agenda

1. Case Briefings

- 628 S. Pickett St, Chef Chen – Waste cooking oil spill, area was cleaned up. Addressing secondary containment at several businesses.
- 656 S. Pickett St – Carpet cleaning operation and waste material being dumped into parking lot. Management company is addressing
- 435 Ferdinand Day Dr – Hydraulic oil spill, cleaned up by contractor
- 801 S. St. Asaph St – Management washing dumpsters into street at corner of S. Pitt and Franklin
- 620 N. Fayette St – Hydraulic oil spill that was not reported, summons issued to responsible company
- 2900 Eisenhower Ave – Court case from previous spill was null processed.
- King and N. Fayette – Report of painting contractors dumping products into storm drain, nothing found and company was notified of proper disposal.

2. Communication Issues

3. Significant Facility Updates

- GenOn – initial closure meeting held today at CityHall

4. Department briefings and comments (Fire, Police, OEQ, Zoning, Code)

- Updates AST/UST procedures

Next Meeting Date / Location:

August 28, 2012 Location: Sister Cities Room 1101

Stormwater Steering Committee Mission Statement

The mission of the Stormwater Steering Committee is to guide activities aimed at ensuring cost efficient City compliance with existing and future stormwater regulations and requirements, and that there are adequate resources to meet the requirements. To this end, the Committee will oversee and guide the development of alternatives and strategies that will lead to short, medium and long-term stormwater policies, programs, capital investment plans, and an overall financing plan. The Committee will review and approve a work plan and work plan schedule, as well as assist in coordinating activities across organizational units, and provide overall direction for the hands-on work performed through the Stormwater Work Group's collaborative effort in developing stormwater policies, programs and investment plans towards addressing the Chesapeake Bay Total Maximum Daily Load (TMDL) and associated stormwater regulatory requirements. The Steering Committee will work proactively to:

- Ensure Work Group efforts are aligned with the adopted work plan.
- Review and approve a planning, strategy development, alternatives analysis, and implementation schedule.
- Facilitate coordination and collaboration among all stakeholders, internal and external.
- Promote creative solutions and best practices to address stormwater requirements.
- Assist in seeking needed capital and operating resources.
- Assist in developing a financing plan.
- Set milestones and establish accountability systems.

To carry out this mission, the Committee will meet at least monthly until such time the stormwater plan is largely in place and launched.

The Steering Committee members are:

- Mark Jinks, Deputy City Manager (Chair)
- Debra Collins, Deputy City Manager
- Rich Baier, Transportation and Environmental Services
- Farroll Hamer, Director, Planning and Zoning
- James Spengler, Director, Recreation, Parks and Cultural Activities
- Nelsie Smith, Director, Office of Management and Budget
- Jeremy McPike, Director, General Services

Staff to the Committee

- Bill Skrabak, Deputy Director T&ES, Office of Environmental Quality
- Lalit Sharma, P.E., Division Chief, T&ES/OEQ
- Jesse Maines, T&ES/OEQ

City Manager's Office

February 12, 2013

City of Alexandria Stormwater Work Group Mission Statement

The mission of the Stormwater Work Group is to develop and coordinate the City's response across various City departments and ACPS to the upcoming changes due to the requirements of the Chesapeake Bay Total Maximum Daily Load (TMDL). The Work Group will be responsible for the development of strategies and alternatives that will lead to short, medium and long-term stormwater policies, programs, capital investment plans, and an overall financing plan. These include revising City ordinance, refining and creating new processes to meet State-mandated Stormwater Management Regulations and the proposed Municipal Separate Storm Sewer System (MS4) General Permit Regulations; and the associated required stormwater quality pollutant reductions. The Work Group will work under the guidance of the Stormwater Steering Committee to whom it will make its recommendations. The goals of the Work Group include:

- Reviewing proposed ordinances and developing recommendations.
- Establishing standards for City projects and the private sector development community, including consideration of standards beyond the State-mandated minimum requirements.
- Considering all reasonable alternative methods of attaining compliance, and from those alternatives recommending a specific plan.
- Developing mitigation plans and policies in response to the strategies and alternatives recommended.
- Developing a capital investment and operating plan.
- Developing an accountability plan, including reporting standards and outcome measures.
- Developing a financing plan.
- Creating materials to inform internal stakeholders on implementation.
- Developing community education and outreach resources.
- Maintaining a holistic Citywide vision in the development of its recommendations which balances competing priorities.
- Setting milestones and working towards their attainment.
- Advising on the proper path forward and adjusting as needed.

The Work Group is comprised of senior level staff as its members, with the involvement of other key staff on subcommittees of the Work Group based on specific group goals to be addressed. The inclusion and active participation of key staff is crucial to ensure representation and input

across all internal and external stakeholders. The Work Group shall make its recommendations by formal vote, as well as keep and distribute Work Group meeting minutes to stakeholders. The Work Group shall be staffed by the T&ES Office of Environmental Quality.

Members appointments to be made by department heads:

- Emily Baker, P.E., City Engineer (Chair)
- Yon Lambert, Deputy Director, T&ES, Operations
- William Skrabak, Deputy Director, T&ES, Office of Environmental Quality
- Maurice Daly, Division Chief, T&ES, Engineering
- Jeffrey F. DuVal, Division Chief, T&ES, Maintenance
- Gwen Wright, Division Chief, P&Z, Development
- Katy North, Urban Planner III, P&Z, Development
- Dinesh Tiwari, Deputy Director, RPCA
- Robert Taylor, Division Chief, RPCA, Natural Resources
- Christopher Bever, Budget/Management Analyst II, Office of Management and Budget
- Alfred Coleman, Deputy Director, General Services
- TBD (from facilities design/construction, General Services)
- Bill Finn, Director, Educational Facilities, ACPS

Staff to the Committee

- Bill Skrabak, Deputy Director T&ES, Office of Environmental Quality
- Lalit Sharma, P.E., Division Chief, T&ES/OEQ
- Jesse Maines, T&ES/OEQ

City Manager's Office
February 12, 2013



Transportation and Environmental Services
Office of Environmental Quality
301 King Street, City Hall
Alexandria, VA 22314

Phone: 703-746-4065
Fax: 703-519-8354

www.alexandriava.gov

Agenda

Stormwater Steering Committee

Date: February 7, 2010

Time: 4:30 – 5:30p.m.

Location: Manager's Conference Room

1. Introductory Remarks
2. Overview of New Stormwater Requirements Presentation
3. Discussion of Draft Milestones and Proposed Timeline
4. Discussion and Adoption of Mission Statements
5. Vehicle Washing Compliance
6. Other Topics
7. Set Next Meeting



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Agenda
Stormwater Steering Committee
March 28, 2013
10:00 – 11:30 a.m.
Sister Cities 1101

1. Stormwater Work Group Recommendation on Draft Ordinance as part of Application for Extension to Implement Stormwater Program (per New State Stormwater Regulations)
2. Municipal Separate Storm Sewer System (MS4) Permit Registration
3. Vehicle Wash Update
4. FY2014/2015 Stormwater Work Program



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Agenda

Stormwater Workgroup Meeting

February 19, 2013

3:30 – 5:00 p.m.

Sister Cities 1101

1. Environmental Management Ordinance Revisions
("Substantive Progress" Application to DCR)
2. Vehicle Wash Subgroup formation
3. Next Meeting: Tuesday, March 19, 2013



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301 King Street, City Hall
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Agenda
Stormwater Workgroup Meeting
November 28, 2012
3:00 – 4:00 pm
Chet & Sabra Avery Conf. Room 2000

1. Finalize the Purpose Statement and Member List
2. Chesapeake Bay Recap, Update on MS4 General Permit and Stormwater Management Regulations Timeline
3. Discussion of Bay TMDL Analysis and Options
4. Targets of Opportunity
5. Vehicle Wash Permit
6. Subgroups for Specific Topics



Search AlexNet GO

WELCOME, Jeremy

- My Department
- My Mail & Calendar
- My Pay & Leave
- Wiki
- Forums
- Report a Problem

RESOURCES

- Administrative Regulations
- Benefits
- City Council Meetings
- Communications & Public Information
- Community
- Departments & Offices
- Emergency Preparedness
- Employee Handbook
- Employee Retirement and Pensions
- Forms
- GIS & Maps
- How Do I?
- Jobs & HR Procedures
- Useful Links
- Phones & Phone Numbers
- Room Scheduler
- Training & Development

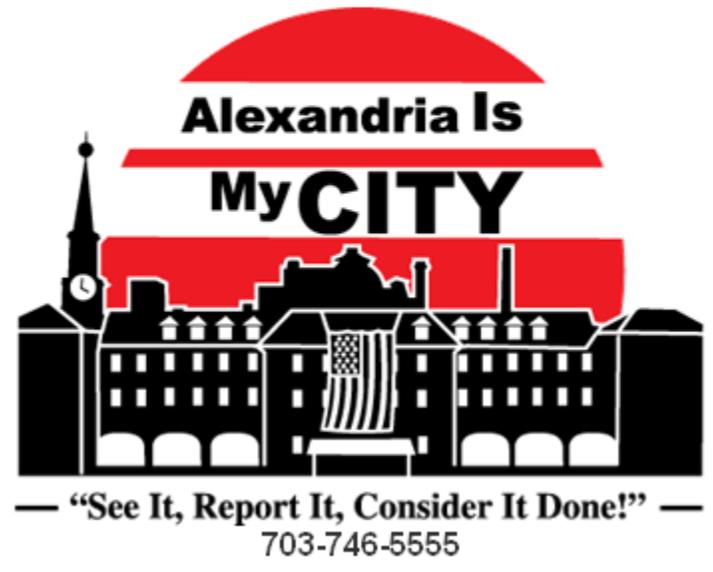
My City

We know that we have an outstanding team of employees that take great pride, responsibility, and ownership in the City of Alexandria. That's why we are asking for your help. With nearly 3,000 City employees working throughout Alexandria every day, we are the most likely group to first encounter problems in and around the City, such as:

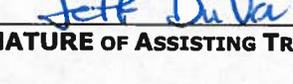
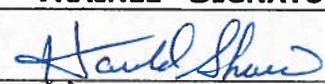
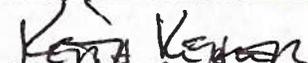
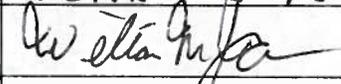
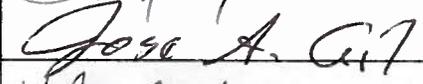
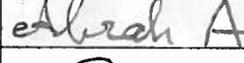
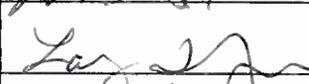
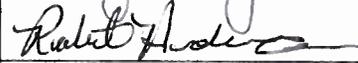
- Loose bricks or needed sidewalk repairs
- Street cans overflowing with trash
- Tree branches in the road or public right-of-way
- Potholes
- Missing or damaged street signs
- Graffiti on public property
- A broken traffic light
- Wires down
- Illicit Discharges and Dumping to the Storm Drain System

My City provides a central point of contact for employees to report and correct these types of problems. My City will track the reported problem, refer it to the appropriate department, and manage the problem until it is resolved.

Help us serve our residents better! Call My City at 703-746-5555, or email mycity@alexandriava.gov. Program this number into your cell phone today. Together, our team of employees can work efficiently to create a better Alexandria!



Transportation & Environmental Services – City of Alexandria, VA
 Training Roster and Lesson Plan

TOPIC OF TRAINING: STORMWATER POLLUTION PREVENTION & GOOD HOUSEKEEPING		DATE OF TRAINING: 14-NOV-2012
NAME OF LEAD TRAINER: Jesse Maines		NAME OF ASSISTING TRAINER: Jeff DuVal
SIGNATURE OF LEAD TRAINER: 		SIGNATURE OF ASSISTING TRAINER: 
TITLE OF LEAD TRAINER: Sr. Environmental Specialist		TITLE OF ASSISTING TRAINER: Division Chief
LESSON PLAN ELEMENTS	Stormwater Pollution Prevention & Good Housekeeping DVD - Storm Watch & Quiz (28 staff +) (& SBORP Training) 2 presenters	
TRAINEE "PRINTED" NAME	TRAINEE "SIGNATURE"	DIVISION NAME
Harold Shaw		Maint.
Kent Ketchum		" "
William Jones		Maint
Dwayne Parlan		Maint.
JAIRES REXES		TES
Jose Coil		TES
ABRAHAM FLORES		TES
Juan David		TES
McArthur Pulliam		TES
Larry Thompson		TES
Robert Henderson III		TES Maint



Sign In Sheet

Training: Erosion and Sediment Control, Illicit Discharge Detection and Elimination

Date, Location: December 19, 2012 / Sister Cities 1101 - Code Staff

PARTICIPANT NAME	PHONE	DEPT or COMPANY	E-MAIL
PHILLIPS, WENDELL	746-4200	CODE	wendell.phillips@alexandriava.gov
WARD, michelle	703-906-4139	code	michelleward@alexandriava.gov
Rugh, Philip	746-4229	Code	philip.pugh@alexandriava.gov
SAAVEDRA, Wilfredo A	571-220-6354	Code	wilfredo.saaavedra@alexandriava.gov
Purchase, Victor	703-906-5957	Code	victor.purchase@alexandriava.gov
MENSINGER, Peter A.	746-4210	CODE	peter.mensinger@alexandriava.gov
Mitchell Paul R	571-238-8765	Code	Paul.Mitchell@alexandriava.gov
Christeen Mike	703- 906	Code	Mike.Christesen@alexandriava.gov
Demaree David E	703-930-3616	Code	david.demaree@alexandriava.gov
Demaree, Donald L	703-930-3879	Code	donald.demaree@alexandriava.gov
Hepler, Lynn L	703-571-8766	Code	Lynn.L.Hepler@alexandriava.gov
Laha, Eduardo	571-220-8362	Code	Eduardo.Laha@alexandriava.gov
FIELDS, GREGG	703-746-1406	CODE	gregg.fields@alexandriava.gov

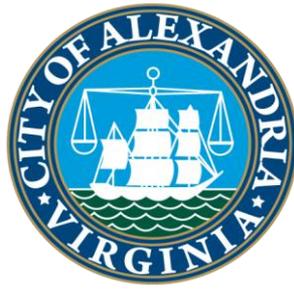


Sign In Sheet

Training: Erosion and Sediment Control, Illicit Discharge Detection and Elimination

Date, Location: December 19, 2012 / Sister Cities 1101 - Code Staff

PARTICIPANT NAME	PHONE	DEPT or COMPANY	E-MAIL
Chris Evans	746 4219	Code	chris.evans@alexandria.va.gov
JOE BLETHEN	571-238-8768	CODE	JOE.BLETHEN@ALEXANDRIA.VA.GOV
Brian Paige	703 930 2080	CODE	brian.paige@alexandria.va.gov
Mark Doye	703 930 3899	Code	mark.doye@alexandria.va.gov
Charles Coops	703-930-3316	code	Charles.Coops@alexandria.va.gov



Environmental Safety for Park Operations and Maintenance

RPCA Safety Day
February 14, 2013

Focus of Discussion

- General Equipment Operation and Maintenance
- Storage and Transfer of Materials
- Mowing
- Application of Fertilizers and Pesticides
- Integrated Pest Management
- Municipal Separate Storm Sewer System (MS4) General Permit
 - Written protocol for Daily Good Housekeeping Operations
 - Nutrient Management Planning

General Equipment Operation and Maintenance

- Routine and “pre” inspections
 - PMCS = Preventive Maintenance Checks and Service
- Post-trip inspections
- Perform maintenance indoors
- Recycle used fluids
- Ensures operation and no fluids discharged to environment



Courtesy: City of Alexandria

General Equipment Operation and Maintenance

- Place drip pans under equipment and vehicles
- Perform maintenance soon as possible
- Use dry methods to clean up spills and dispose of properly



Courtesy: City of Alexandria

General Equipment O&M: Cleaning

- Wipe off dirt, dust and fluids with towel
- Wash equipment in approved wash station
 - No discharge to the storm sewer system
- Removes dust and dirt buildup that may obscure maintenance issues



Courtesy: City of Alexandria

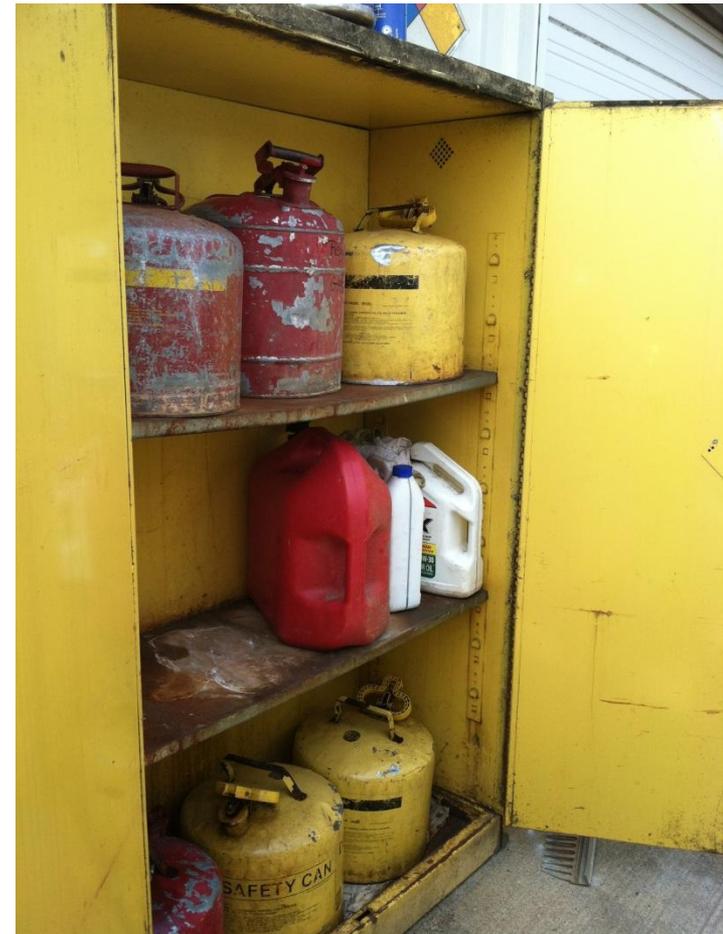
Storage and Transfer of Materials

- Protect from rainfall  stormwater issue
- Soil and aggregate materials in bays
- Sweep into bay and recover stray



Storage and Transfer of Materials

- Personnel and Environmental Safety
 - Loading materials
 - Proper placement of soils and spoils
 - Secure and cover hauled equip./materials
 - Placing and spreading materials
 - Securing equipment
- Gas cans indoors or lockers



Courtesy: City of Alexandria

Mowing

- Perform PMCS before operation
- Install temporary catch basin protection as best practice
 - Don't forget to remove after mowing
- PPE = Eye and hearing protection
- Sweep or blow clippings back on grass area or recover
 - Don't blow into gutter pan
 - Don't leave it in the street



Courtesy: City of Alexandria

Application of Fertilizers and Pesticides: Residents

- No pesticide notification requirements, but may consider notice as good practice
 - Signs
 - eNews
 - Door hangers
- Use of non-toxic or milder forms
- Sensitivity to pets
- Use of grounds by park patrons



Courtesy: Yale University

Application of Fertilizers and Pesticides: Preparation

- Staff and contractor certification
- “Read the Label”
 - Follow manufacturer spec for mixing; application
 - Personal Protection Equipment
- Do not mix or prepare for application near storm drains
 - Preferably mix over impervious and indoors
 - If outdoors, secondary containment



Application of Fertilizers and Pesticides: Process

- Calibrate equipment
- Minimize off-target applications
 - Overspray, spray drift, over broadcasting
- Know the weather
 - Rain, snow, wind, sun
- Don't over apply
 - Waste money, materials, excess may wash off
- Periodic soil tests



Courtesy: Town of Leesburg

Application of Fertilizers and Pesticides: Cleanup

- Sweep materials from pavement or sidewalks back to target area
- Keep MSDS and records of application
- Properly dispose of rinse water
- Follow federal and state regulations, and label, for storage and disposal



Courtesy: *Delaware Livable Lawns*

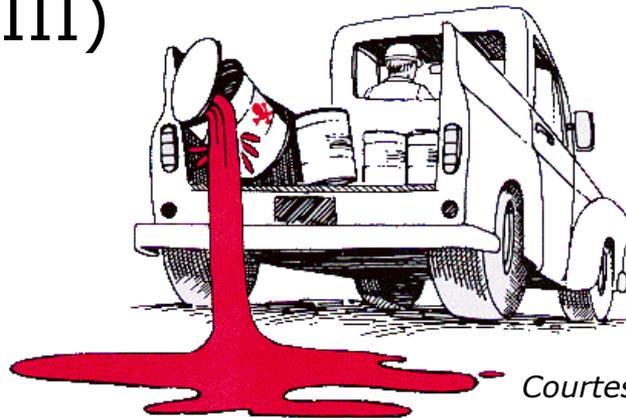
Pesticide Certification Responsibilities

- Certified Commercial Applicators (CCA)
 - Supervise Registered Technicians
 - Record all applications; keep for two years
- Reg. Tech. apply restricted-use under supervision of CCA – onsite or contact
- Reg. Tech. unsupervised general-use
- Uncertified may apply while in RT training only with CCA onsite & in-sight



Pesticide Certification Responsibilities: Spills

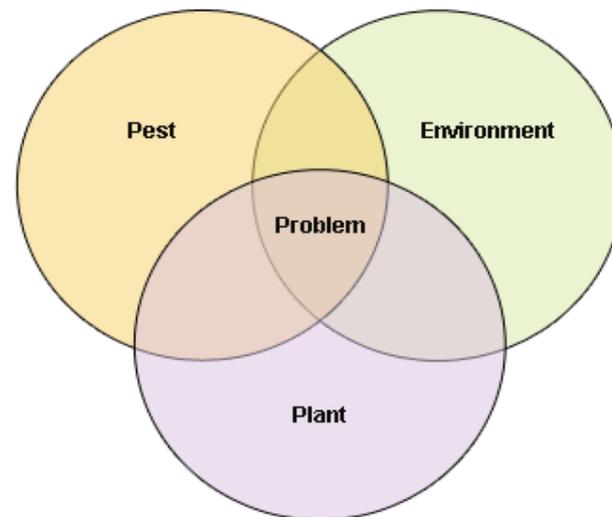
- Handle and transport materials safely
- Report accidents or incidents to Office of Pesticide Services if threat to person, public health or safety, environ.
 - 48 hr. initial notification; 10-day written
 - Spills should contact VDACS/OPS for help in determining Community Right-to-Know Law (SARA Title III)



Courtesy: Cornell University

Integrated Pest Management

- Combination of appropriate practices
 - Most economical
 - Least possible hazard to people, property, and environment
- Series of pest management evaluations
 - Action thresholds
 - Monitor and identify
 - Prevention
 - Control
- Holistic approach





Municipal Separate Storm Sewer System (MS4) Permit Requirements



MS4 Permit: Six Minimum Control Measures

Regulates discharges of stormwater from the separate storm sewer to surface waters

1. Public Education and Outreach
2. Public Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff
5. Post-Construction Stormwater Management
- 6. Pollution Prevention and Good House Keeping for Municipal Facilities**



Minimum Control Measure #6

6. Pollution Prevention and Good Housekeeping for Municipal Operations (PPGH)

- Prevent municipal vehicle wash discharges
- Contain equipment and vehicle leaks
- SWPPP for applicable facilities kept onsite
- Procedures and perform annual inspections
- Develop and implement written protocol for Daily Good Housekeeping Operations
- Proper application/certification for pesticides and fertilizers (Nutrient Management Plans)



MS4 Permit: Daily Good Housekeeping Operations

Written Standard Operating Procedures (SOP) –

- Prevent illicit discharges
- Ensure proper waste disposal, including landscape materials
- Prevent discharge of vehicle wash water
- Application, storage, transport and disposal of pesticides/fertilizers
- Minimize pollution from bulk storage
- Prevent discharge of leaking fluids
- Equipment maintenance
- Used in employee training

MS4 Permit: PPGH Training

- Annual Written Training Plan
 - Due June 30, 2014
- Illicit Discharge – provide every 2 years
- Good housekeeping and pollution prevention
 - Every 2 years
- Ensure proper training and certification for pesticides applicators (staff and contractor)



MS4 Permit Requirements: Due June 30, 2014

- Identify Stormwater Pollution Prevention Plan (SWPPP) Locations
 - Provide locations that will require a SWPPP
- Identify Nutrient Management Plan (NMP) Locations
- Training Schedule and Program

Nutrient Management Plans

For each contiguous 1 acre where nutrients are being applied:

- Identify lands: 12 months
- Implement not less than 15%: 24 months
- Implement not less than 40%: 36 months
- Implement not less than 75%: 48 months
- Implement all lands: 60 months
- Track and summarize annually
 - Total acreage NMPs required
 - Acres implemented



MS4 Permit Requirements: Due June 30, 2018

- Implement Stormwater Pollution Prevention Plan for all locations
 - Identify potential pollution sources
 - Describe stormwater controls
 - Identify procedures and practices
- Implement Nutrient Management Plans (NMPs) for all locations
 - Plans must be prepared by Certified Nutrient Planner (Virginia Department of Conservation and Recreation)