



SPC's Water Resource Center Workshop

Local Perspective On Addressing MS4 Requirements



August 23, 2016



Welcome

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Engineering & Environmental Services

Waterworks Coordinator

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Stormwater Program

Township's develop comparable ACT 167 (1993 ~1994)

- **Updated Stormwater Ordinance**
- **Reduced Flooding Problems**
- **Hired a Hydrologist**
- **Push Back from Developers**
- **100% Self Funded**

Stormwater Runoff Management

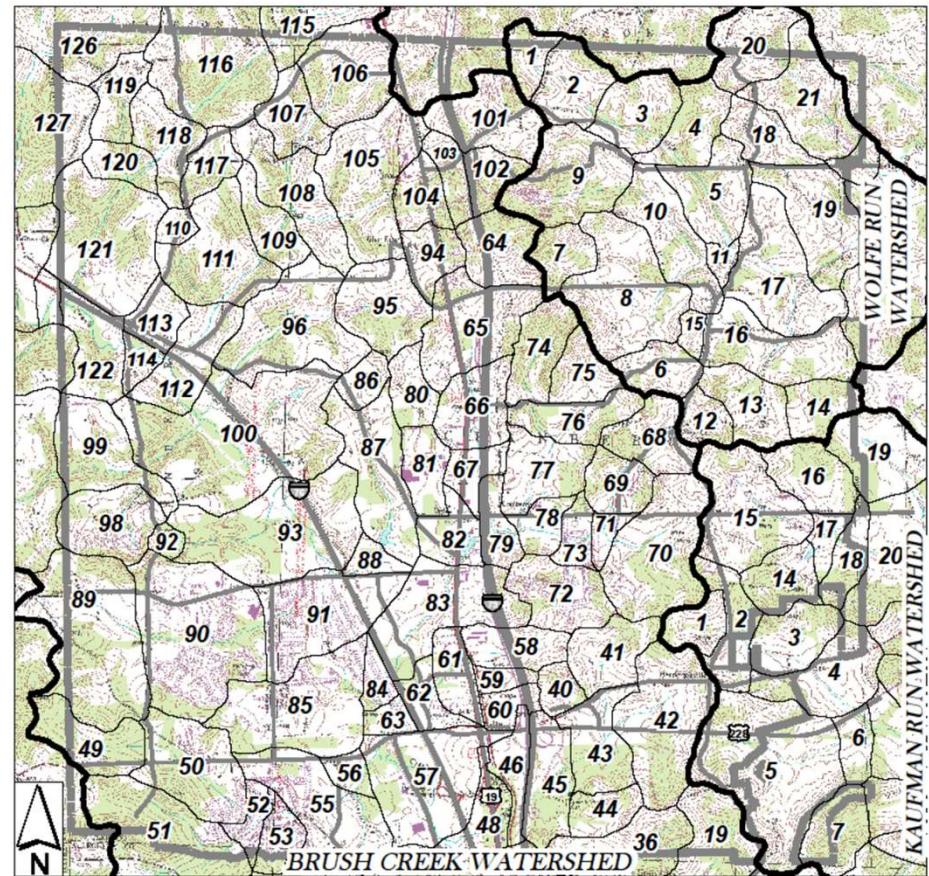
Township Release Rate Map

Watershed

1. Brush Creek (127 Subwatersheds)
2. Kauffman Run (20 Subwatersheds)
3. Wolfe Run (21 Subwatersheds)

Release Rate

Ranges from 50% to 100%



Stormwater Program

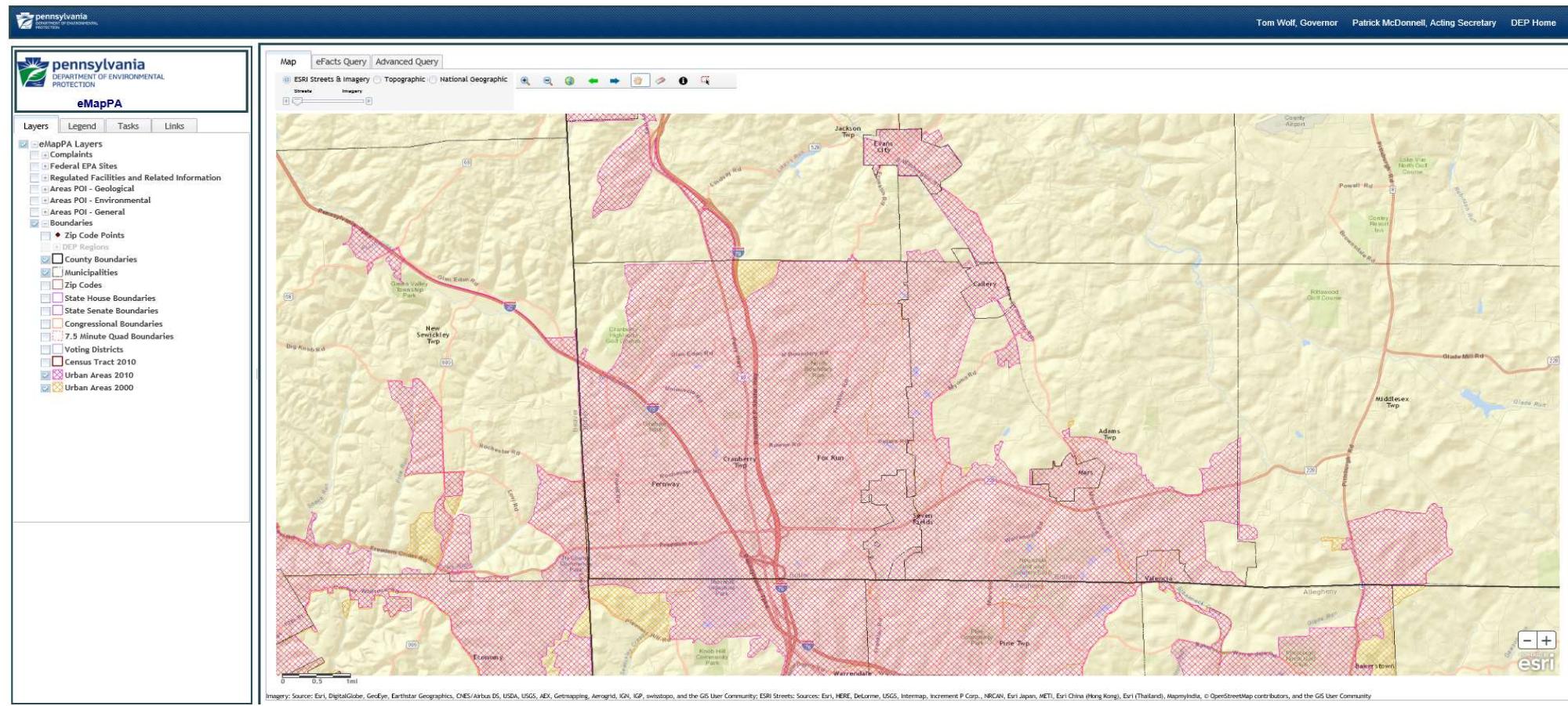
Municipal Separate Storm Sewer System (MS4)

Updated Ordinance 2003

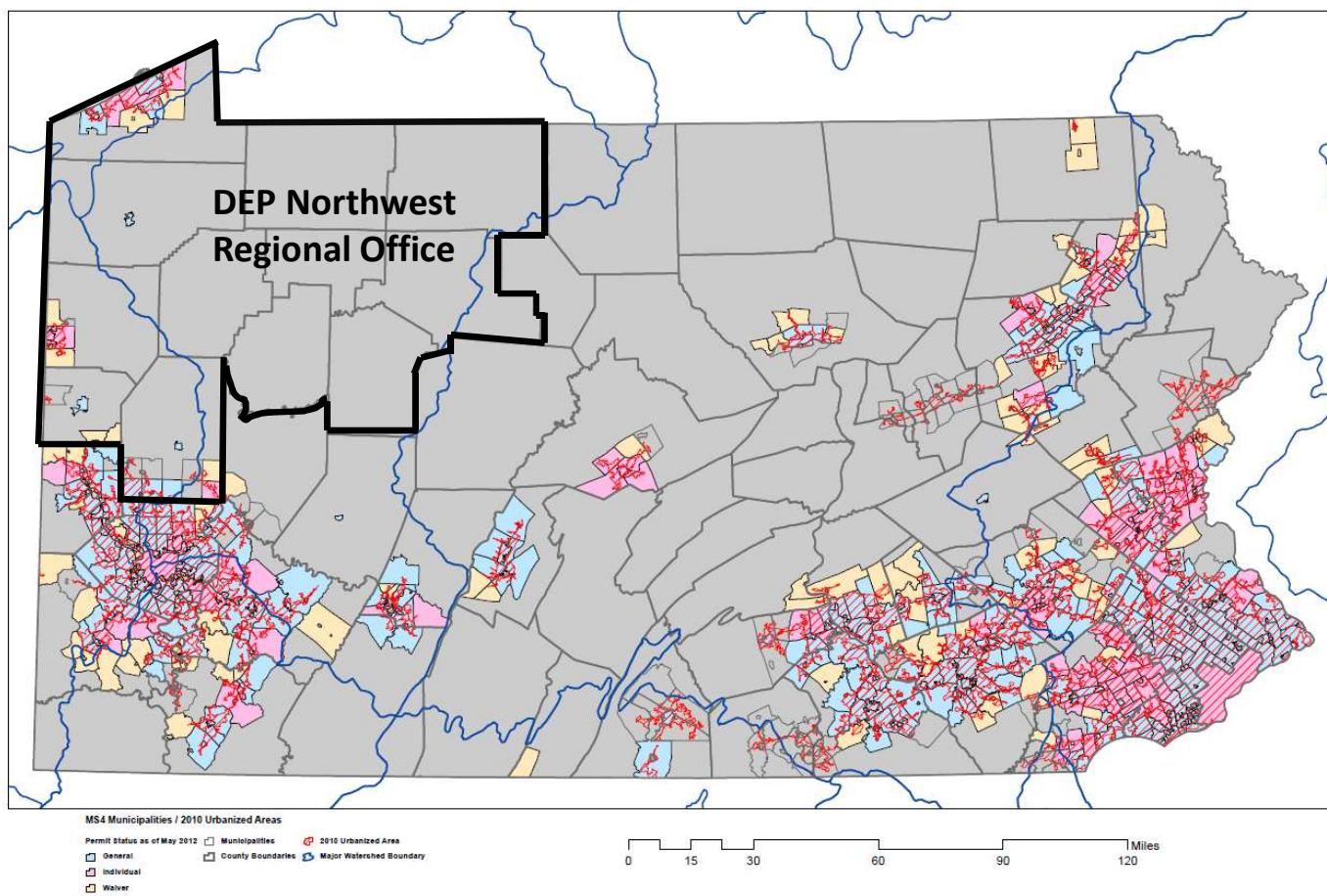
Butler County Approved Act 167

Updated Ordinance 2011

2010 Census - Urbanized Area



2010 Census - Urbanized Area

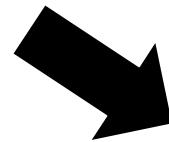
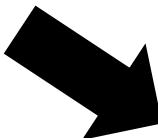


Municipal Separate Storm Sewer System (MS4)

Minimum Control Measure #1

**Public Education and Outreach
on Stormwater Impacts**

MCM#1 Public Education and Outreach



Cranberry Township

MCM#1 Public Education and Outreach

- **Federal Regulations**

Implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff (40 CFR Part 122.34(b)(1)(i)).

Public Education and Outreach on Stormwater Impacts

- **Department of Environmental Protection**

- Best Management Practices (BMPs) and Measurable Goals are to be implemented and achieved:
 1. Develop, implement and maintain a written Public Education and Outreach Program
 2. Develop and maintain lists of target audience
 3. You must annually publish at least one issue of a newsletter, a pamphlet, a flyer, or a web site that includes general stormwater educational information
 4. Distribute stormwater educational materials

Public Education and Outreach on Stormwater Impacts

- **Target Audience Groups**

- **Township Residents**
- **Home Owners Association**
- **School Students**
- **Business Owners**
- **Contractors**
- **Municipal Employees**

Cranberry Township Newsletter



Fugitives Wanted: Tips Gratefully Accepted

Have you seen them?

Arrest warrants issued by District Justices are outstanding on more than 40 individuals for crimes committed in Cranberry Township. They range from writing bad checks and shoplifting to criminal assault.



by local police and are likely to extend their patterns of crime until they've been apprehended.

So in February, Cranberry police began plastering the fugitives' names, faces, ages, criminal charges, and last known addresses on the Township's website at cranberrytownship.org/wanted. None of the warrants are for residents of Cranberry Township, but most come from nearby communities, and their identities are available to anyone, anywhere, simply by doing an online search.

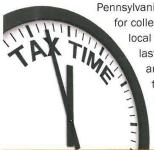
Cranberry police hope that people who recognize a fugitive will either call 9-1-1 or their local police department,

with tips concerning the person's whereabouts. Callers do not have to identify themselves, nor will they be subpoenaed as witnesses in court: cases against the accused have already been compiled.

No rewards are currently posted for the people being sought on Cranberry's Ten Most Wanted list. If you have information about any of their whereabouts, don't approach or attempt to apprehend them – just provide police with any information they can use, either by calling 9-1-1 or by email at: tips@cranberrytownship.org, and let them do the rest. ~

On the lam. If you've seen any of these people, they're all wanted for crimes committed in Cranberry. Check out the Township's website for their names, photos, crimes and last known mailing addresses. Then call 9-1-1 with any tips that can help police apprehend them.

What Should I Do With My Local Earned Income Tax Return?



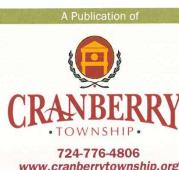
Pennsylvania's procedure for collecting certain local taxes changed last year. Employers are now required to withhold earned income tax from

all their employees. Berkheimer Tax Administrators – Cranberry's income tax collector – now collects the tax from those employers rather than from employees. However, residents must continue filing their final individual tax returns with Berkheimer – either electronically or by mail. Return forms

are available online at www.hab-inc.com. Questions about your earned income tax, as well as your \$10 Seneca Valley Occupation Tax and \$52 Local Services Tax, should be directed to Berkheimer's Butler County office at 724-282-0377. ~

► Inside This Issue:

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A Publication of

ENGINEERING

Improving On Nature: Cranberry's Kinder, Gentler Stormwater Management Program

Stormwater cascades down from higher elevations. So do stormwater regulations.

In the early '70s, a flood of public concern about air and water pollution led to formation of the federal Environmental Protection Agency. Its overflow poured onto the states, where it gave rise to Pennsylvania's Department of Environmental Protection. That, in turn, spilled over onto Butler County's 2011 stormwater management plan. And implementation of the County plan's eventually trickled down onto Cranberry Township.

Rain, of course, is a naturally occurring phenomenon. Rainwater has percolated into soil and run off into streams since the beginning of time. But just because something is natural doesn't mean it's harmless: Mother Nature can be ruthless. Surging stormwater,

quite detailed, its goals are fairly straightforward: decrease flood damage, expand recreational opportunities, enhance fishing, improve well water, upgrade public health, and create a more attractive appearance.

One of the primary instruments for achieving those goals stems from the Township's ability to issue permits for new construction based on plans which, to the greatest extent practical, best practices for managing stormwater. That authority, in turn, derives from Cranberry's compliance with federal legislation

detailing those practices, which carries the unwieldy name of "Federal national Pollutant Discharge Elimination System Phase II, Stormwater Discharges From Small Municipal Separate Storm Sewer Systems General Permit" – or MS4, for short. Cranberry is one of only three Butler County communities obliged to follow its requirements.

Exercise control

Staff engineer Tim Schutzman is the Township's point man in the implementation of MS4. "When developers submit plans, I review them to make sure they meet the stormwater code requirements," Schutzman explained. "That includes the release rate of water from the site, the control of water volume from the site, whether they provide for groundwater absorption on their site, and water quality controls from various pollutants on their site. We control for thermal issues, sediment, pollutants, and nutrients – they're all factors in stormwater quality coming off a site."

As a result, Cranberry is now working diligently to administer the County's stormwater plan provisions within its own municipal boundaries. Even though the plan's technical requirements are



Downstream danger. Stormwater management has consequences. So does the lack of it. After a heavy rainstorm, this home in Shaler has to deal with those consequences.

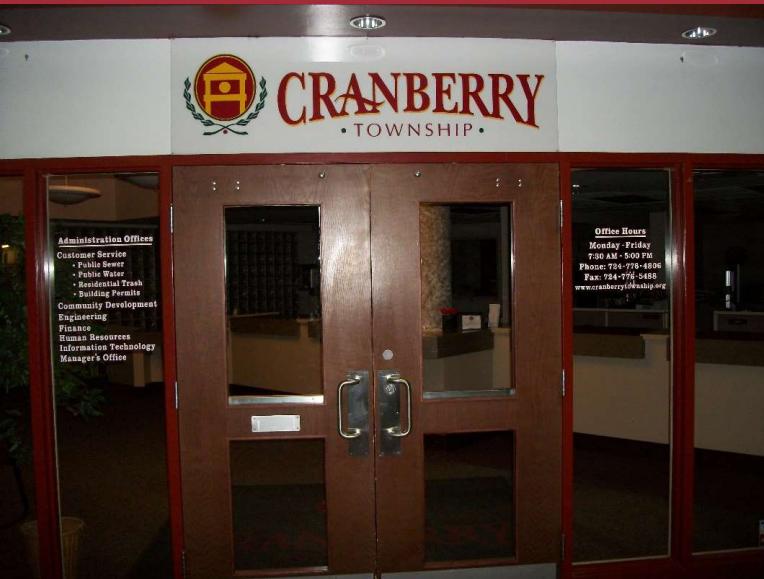
to smaller projects, such as single-family homes built outside of any subdivision – are new ones. However, unlike some other communities in the region, Cranberry has had a history of taking stormwater seriously. It has mapped its watersheds and tracked its stormwater outflows in exquisite detail. And it enacted local stormwater controls more than 20 years ago. But it didn't stop there.

"The Township created a stormwater control model back in 1996 which went well beyond what was required," Schutzman said. "People often worry

that new development will cause unusual water flows or flooding to their property. We want to assure them that we've already looked at improving how stormwater is being controlled on new development sites to minimize its impact on adjacent property owners."

Managing stormwater effectively is more than just an engineering issue, however; it's also an educational one – raising public awareness about why people should even bother caring about their community's rainwater drainage system. Most residents take it for granted, and the better a system works, the less they notice it. Cranberry's is working just fine. So raising its public profile without needlessly raising alarm, is presenting local officials with an intriguing communication challenge. ~

Handouts Available at the Municipal Building



1. Water Storage—Water that is stored on the earth's surface, such as oceans, lakes, and streams.

2. Evaporation—A process in which water is heated and becomes a gas.

3. Cloud Storage—Water suspended in the air.

4. Transpiration—The process in which water vapor moves through plants into the air.

5. Precipitation—Water that returns to the earth as rain, snow, or hail.

6. Percolation—The process in which water moves downward through openings in the soil.

7. Groundwater—Water that is underground, as in a spring or a well.

American Water Works Association
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Match the Correct Term for Each Stage of the Hydrologic (Water) Cycle

Percolation
Water Storage
Transpiration
Groundwater
Cloud Storage
Precipitation
Evaporation

*Answers on back.

A diagram titled 'The Water Cycle' showing the hydrologic cycle with labels 1 through 7. Below it is a matching activity titled 'Match the Correct Term for Each Stage of the Hydrologic (Water) Cycle' with a list of terms and numbered boxes for matching.

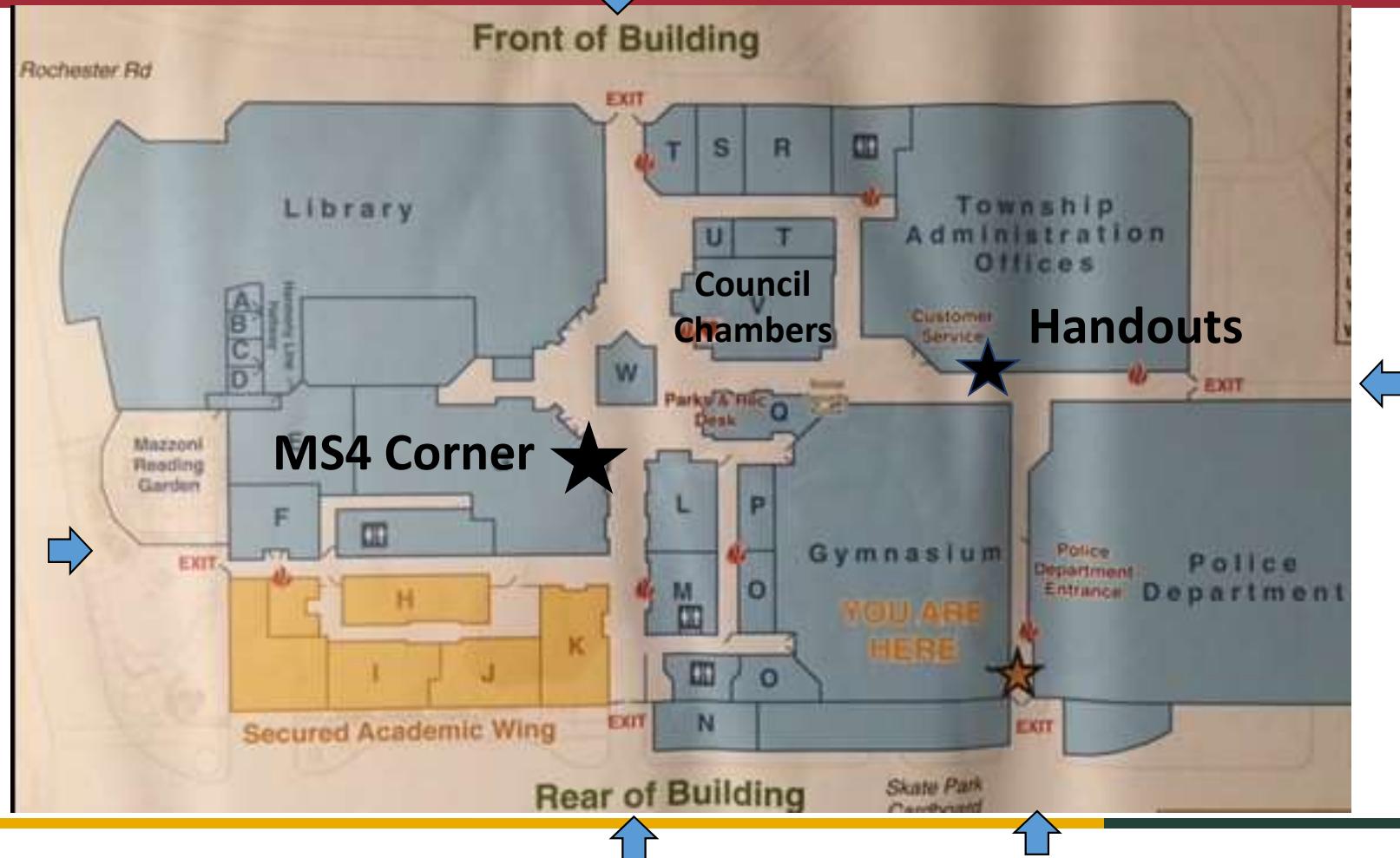
Handouts Available at the Municipal Building



MS4 Corner



Target Location For Information



Partnership Program with Haine Middle School

**Students assist
Township staff with
Public Presentation**



Promote Safely Disposing of Household Chemicals

**COLLECTING
HOUSEHOLD
CHEMICALS**
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www.swpahhw.org

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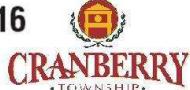

BOARD OF BUTLER
COUNTY COMMISSIONERS

Upcoming Collections:
September 20 . . . Westmoreland County
September 27 . . . Allegheny County
October 4 . . . Beaver County

**Safely Dispose of
Common Household Chemicals**

**Butler County
Manheim Pittsburgh**
(formerly Butler Auto Auction)
Route 19, Cranberry Township

Saturday, August 16
9 am - 1 pm


CRANBERRY
TOWNSHIP

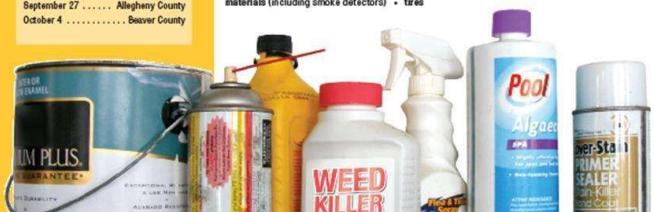
FEE: \$2/gallon – Cash Only

ACCEPTABLE ITEMS INCLUDE:

- aerosol cans
- automotive fluids
motor oil, transmission fluid, antifreeze, brake fluid
- batteries
- chemistry sets
- compact fluorescent bulbs (CFLs)
- gasoline and kerosene
- household cleaners
ammonia, drain openers, acid cleaners, oven cleaners
- mercury
- paint products
latex, oil based, alkyd based, arts/crafts chemicals, rust preservatives, creosote, water sealers, paint thinners, furniture strippers
- pesticides/herbicides
rodent killers, insecticides, weed killers, mothballs, fertilizer
- photo chemicals
- pool chemicals

WE DO NOT ACCEPT:

- ammunition • appliances • bulk waste • commercial and industrial waste • compressed gas cylinders (including propane tanks) • drugs • explosives • flares • fluorescent tubes
- leaking containers • medical waste (including needles) • PCBs and dioxin • radioactive materials (including smoke detectors) • tires



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CRANBERRY TOWNSHIP business hub

SUMMER PROGRAMS Camp Cranberry & More!

SELF SERVICE: View Bills & Payment Options

Brush Creek Water Pollution Control Facility Upgrade

MANAGER'S COFFEE

FEATURED VIDEOS

News Briefs Township

Late summer's bounty
The Farmer's Market continues on Fridays in the Municipal Center rear parking lot, from 3:30 to 6 pm. The Saturday market, at the Rt. 19 Fire Station is over for the season.

Discover Your Perfect CarFit!
The free check takes about 20 minutes. While you sit in your car, a trained evaluator checks 12 points that make your driving experiences as safe as it can be. [Read on...](#)

Why is my tax money paying for that road?
It's probably not Manager's Blog...

Coffee goes everywhere in Cranberry
Manager's conversation series is stronger than ever [Read the Manager's Blog](#)

Cranberry just might pay you \$50 for a cup of water
But only if you live in certain areas. [Read on...](#)

Streetscape aesthetics poised to expand
Enhancements to accompany new non-residential construction [Read on...](#)

Township makes nice with Harrisburg
PennDOT service swap arrangement approved [Read on...](#)

Rules for Planned Residential Developments updated
Goal is to simplify, accelerate, and improve PRD construction [Read on...](#)

Sewer line to extend along Rowan Road
Township agrees to secure easement [Read on...](#)

Marshall Road distribution warehouse okayed
Building site consolidates four adjacent lots [Read on...](#)

VIEW ALL NEWS

COMMUNITY **SAFETY** **RECREATION**

EVENTS

August 13 Sheriff's Office: Gun Licensing
August 15 Zoning Hearing Board - Cancelled
August 16 Family Movie Night
August 18 Give a Pint, Get a Round - Community Blood Drive
August 18 Free Outdoor Concert
August 19 Farmer's Market
August 20 Hazardous Waste Collection
August 20 Learn CPR and First Aid

VIEW ALL EVENTS

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Ph: 724-776-4806
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You are here: Home > Township Services > Engineering & Environmental Services

Engineering & Environmental Services

Our mission is to provide high-quality technical services and solutions while ensuring that infrastructure is held to the upmost quality. The Department is responsible for transportation, storm, sanitary and water infrastructure projects. The Department also manages the Collection Connection Program, the Municipal Separate Storm Sewer System, the Road Occupancy Permit program, the Development Bond Release process and Traffic Studies / Traffic Control. The Department also supplies support to other Township departments including, Department of Public Safety, Department of Community Development, Public Works and Parks and Recreation.

Township Projects

Bids and Contracts

Bond Release

Engineering Information

Storm Sewer System

Contact
Jason Kratsas, P.E., Director of Engineering & Environmental Services
E-mail
2525 Rochester Road
Cranberry Township, PA 16066-6499
Ph: 724-776-4808
Fx: 724-776-4420

Hours
7:30 AM - 5:00 PM
Monday - Friday

[Staff Directory](#)

Search

Bids & Contracts
Fees, Codes, Ordinances
FEMA flood plain map
Township Projects
Solid Waste Ordinance
Waste Collection

Public Library inform, inspire, enrich...
CRANBERRY TOWNSHIP PARKS & RECREATION
Cranberry Highlands Golf Course

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You are here: Home > Township Services > Engineering & Environmental Services > Bond Release and Engineering > Storm Sewer System

Storm Sewer System

In an ongoing attempt to make stormwater cleaner, the Pennsylvania Department of Environmental Protection is implementing a new permit to meet new federal regulations. As a part of this permit small communities must implement a storm water management program, track progress towards its goals, and report on its progress.

A Lesson in Stormwater Management by Haine



When It Rains It Drains
Guide to Healthy Habits for Clean Water
Citizen's Guide to Understanding Stormwater

Public Library *inform, inspire, enrich.*

CANBERRY TOWNSHIP PARKS & RECREATION
Cranberry Highlands Golf Course

News & Alerts *Sign Up!*

CRANBERRY CONNECT

Everybody's Business

Stormwater runoff - what is it and why does it matter?

The stormwater program focuses on 6 goals:

- Public Education Distribute "When it Rains it Drains" pamphlet as well as other stormwater pamphlets to all target audiences, run stormwater ads in the newspaper, distribute posters to schools, community organizations, and businesses.
- Public involvement Conduct public meeting to inform public about the Township's storm water management program. Develop volunteer monitoring team to monitor communities stormwater. They will report any illegal dumping and any visible pollutants in streams.
- Illicit discharge detection and elimination Map all outfalls in community. Conduct field screening of 25% of communities outfalls each year to determine illicit discharges. Remove or correct illicit discharges.
- Construction site stormwater runoff management This section addresses the education of developers, of the enforced stormwater management codes.
- Post Construction stormwater management This sections addresses the management of the codes dealing with stormwater runoff after construction is complete.
- Good housekeeping and pollution prevention Comprehensive pollution prevention program for municipal operations. Focusing on vehicle maintenance, fueling and washing, maintenance of stormwater facilities, and employee training.

Select Language | [English](#) [Spanish](#)

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Cranberry Township
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You are here: Home > Township Services > Engineering & Environmental Services > Bond Release and Engineering > Storm Sewer System > What is stormwater runoff?

What is stormwater runoff?

10 Things You Can Do to Prevent Stormwater Runoff Pollution

- Use fertilizers sparingly and sweep up driveways, sidewalks, and gutters
- Never dump anything down storm drains or in streams
- Vegetate bare spots in your yard
- Compost your yard waste
- Use least toxic pesticides, follow labels, and learn how to prevent pest problems
- Direct downspouts away from paved surfaces; consider a rain garden to capture runoff
- Take your car to the car wash instead of washing it in the driveway
- Check your car for leaks and recycle your motor oil
- Pick up after your pet
- Have your septic tank pumped and system inspected regularly

EPA Resources

[Public Education and Outreach](#) - an informed community is crucial to the success of a stormwater management program - to assure greater support and greater compliance.

[Public Participation/Involvement](#) - The public can provide valuable input and assistance to a municipal stormwater management program.

[Illicit Discharge Detection and Elimination](#) - Discharges into the storm sewers often include wastes and wastewater from non-stormwater sources. Cranberry has a plan to address illegal discharges.

[Construction Site Runoff Control](#) - Contractors needs to be aware of requirements and how to satisfy them.

[Post-Construction Runoff Control](#) - Post-construction stormwater management in areas of new development or redevelopment is necessary because runoff from these areas has been shown to significantly affect receiving waterbodies.

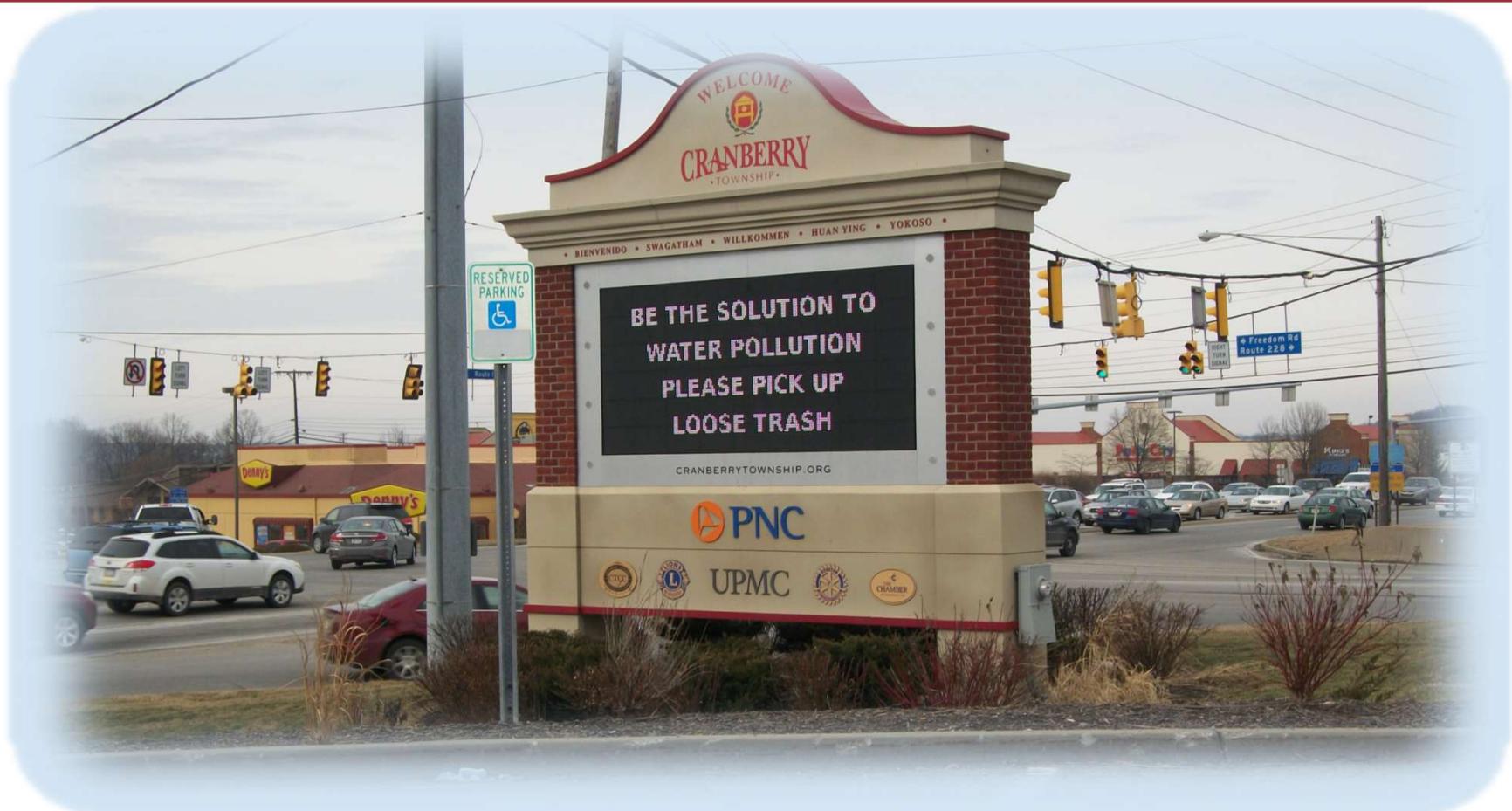
[Pollution Prevention/Good Housekeeping](#) - This is a key element for MS4 stormwater management programs.

QUICK LINKS

[When It Rains, It Drains](#)
[After the Storm](#)
[Water Efficient Landscaping](#)
[When you fertilize the yard](#)
[When you wash the car in the driveway](#)
[Leaking oil goes from cars](#)
[When your pet poops in the yard](#)
[Water conservation tips](#)
[Make your home a solution to stormwater pollution](#)

[VIEW ALL LINKS](#)

Notice on Digital Sign at Intersection of S.R.19 & S.R. 228



Notice on Digital Sign at Intersection of S.R.19 & S.R. 228

3/16- 3/23

BE THE SOLUTION TO
WATER POLLUTION
PLEASE PICK UP
LOOSE TRASH

3/24- 3/30

CRANBERRY DESERVES
TRASH-FREE STREAMS
NO TRASH
LEFT BEHIND

Dumpster Management Handout



How to manage your Commercial Dumpsters

CRANBERRY TOWNSHIP built for you.



Dumpster Management?

Almost every business generates waste and temporarily stores it on-site. Many businesses have dumpsters, compactors, or refuse bins. These containers are typically kept behind buildings or in alleys, where they are often out of sight and out of mind.

Dumpster runoff can contain litter, grease, dangerous chemicals and other forms of waste!



What is Stormwater?

Stormwater is water from rain or melting snow that does not soak into the ground but runs off into waterways. Polluted runoff degrades our lakes, rivers, wetlands and other waterways. Polluted stormwater can harm fish and wildlife populations, kill native vegetation, foul drinking water, and make recreational areas unsafe and unpleasant.

Be a Proactive Watershed Hero.
If you notice that your Dumpster is leaking, contact your refuse hauler and ask them to switch out the container!

Cranberry Township Ordinance 2004-353

The storage of all municipal waste shall be practiced so as to prevent the attraction, breeding or harborage of insects or rodents and to prevent conditions which may create potential hazards to public health or which may create fire and other safety hazards, odors, unsightliness, or public nuisance. Any person accumulating or storing municipal waste on private or public property shall insure the sanitary and legal disposal of such waste...



Leakproof, covered garbage containers are required under municipal code §5-224.

Best Management Practices

Inspect dumpsters daily, look for spills or leakage. Clean up any spills using dry methods, spill kits, kitty litter, etc.

Repair or replace leaking dumpster

Increase receptacle service frequency if dumpster is routinely overloaded

Keep lid on dumpster closed to keep rain water out

Do not place liquid food wastes in the dumpster

Train employees on proper disposal techniques

Keep dumpster area swept clean

Dumpsters and other waste containers located outside **must** be kept in an approved secure enclosure!

Provide Educational Material With Building Permits

Don't Let Storm Water Run Off With Your Time and Money!

What the Construction Industry Should Know About Storm Water In Our Community

The construction industry plays an important role in improving our community's quality of life by not only providing new development, but also protecting our streams and rivers through smart business practices that prevent pollution from leaving construction sites.

Storm water runoff leaving construction sites can carry pollutants such as dirt, construction debris, oil, and paint off-site and into storm drains. In our community, storm drains carry storm water runoff directly to local creeks, streams, and rivers with no treatment. Developers, contractors, and homebuilders can help to prevent storm water pollution by taking the following steps:

1. Comply with storm water permit requirements.
2. Practice erosion control and pollution prevention practices to keep construction sites "clean."
3. Conduct advanced planning and training to ensure proper implementation on-site.

The remainder of this fact sheet addresses these three steps.

Storm Water Permit Requirements for Construction Activity

Planning and permitting requirements exist for construction activities. These requirements are intended to minimize storm water pollutants leaving construction sites.

- Pennsylvania's Erosion and Sediment Pollution Control Program (25 Pa. Code, Chapter 102) requires Erosion and Sediment Control Plans for all earth disturbing activities.
- The National Pollutant Discharge Elimination System (NPDES) Permit Program (25 Pa. Code, Chapter 92) requires that construction activities disturbing greater than one acre submit a Notice of Intent for coverage under a general NPDES permit.

Knowing your requirements before starting a project and following them during construction can save you time and money, and demonstrate that you are a partner in improving our community's quality of life. For more information about these programs, contact your local county conservation district office or the Department of Environmental Protection.

Erosion Control Practices:

- Perimeter controls (e.g. silt fence)
- Sediment traps
- Immediate revegetation
- Phased, minimized grading
- Construction entrance
- Protection of streams and drainage ways
- Inlet protection



An Ounce of Prevention

Rain that falls onto construction sites is likely to carry away soil particles and other toxic chemicals present on construction sites (oil, grease, hazardous wastes, fuel). Storm water, if not properly managed, carries these pollutants to streams, rivers, and lakes. Erosion and sediment control practices can serve as a first line of defense.



Pollution Prevention Practices:

- Designated fueling and vehicle maintenance area away from streams.
- Remove trash and litter.
- Clean up leaks immediately.
- Never wash down dirty pavement.
- Place dumpsters under cover.
- Dispose of all wastes properly.

minimizing clean up and maintenance costs, and the impacts to water resources caused by soil erosion during active construction. Erosion controls can reduce the volume of soil going into a sediment control device, such as a sediment trap, therefore, "clean out" frequencies are lower and maintenance costs are less. When possible, divert water around the construction site using berms or drainage ditches.

In addition, use pollution prevention and "good housekeeping measures" to reduce the pollution leaving construction sites as well. This can be as simple as minimizing the pollution source's contact with rainwater by covering it, maintaining a "clean site" by reducing trash and waste, and keeping vehicles well maintained.



The Best Laid Plans

Plans such as erosion and sediment control plans and storm water pollution prevention plans are important tools for outlining the erosion control and pollution prevention practices that you will use to manage storm water runoff prior to breaking ground. Developing good plans allows for proper budgeting and planning for the life of the project. Proper installation and maintenance of erosion and storm water controls is essential to a plan that works. Training for on-site staff helps to ensure the proper installation and maintenance of erosion controls and pollution prevention practices. Inspect controls and management techniques regularly to ensure they are working, especially after storm events. If polluted storm water is leaving the site, you may need to repair or add additional storm water controls.

The Bigger Storm Water Picture

Your community is preventing storm water pollution through a comprehensive storm water management program. This program addresses storm water pollution from construction, but it also deals with new development, illegal dumping to the storm sewer system, and municipal operations. It will also continue to educate the community and get everyone involved in making sure the only thing that storm water contributes to our streams is . . . water! Contact your community or the Pennsylvania Department of Environmental Protection for more information about storm water management.

For more information:

Pennsylvania Association of Conservation District's:
<http://www.pacd.org/default.html>

Pennsylvania Handbook of Best Management Practices for Developing Areas:
http://www.pacd.org/products/bmp/bmp_handbook.html

Storm Water Manager's Resource Center:
<http://www.stormwatercenter.net>

Pennsylvania Department of Environmental Protection:
<http://www.dep.state.pa.us>



Employee One Stop – Communication



StaffLines



A visit to the Brush Creek Plan



Learning more about engineering and recycling

Successful E-recycling event



who drove through and dropped off unwanted equipment.

Hi-Tech Recyclers efficiently packed and loaded everything in 2 truckloads.

The next free electronic recycling event will be Sat., September 17 at the Public Works Operations Facility.

Steve Mahoney a Seneca Valley senior and a group of his friends unloaded over 28,000 pounds of electronic equipment at the April electronic recycling event. Steve organized the volunteers as part of his senior project.

Lorin Meeder (Environmental Projects Coordinator) coordinates the two annual e-recycling events.

Andrew Clemens (I.T.) and his son Seth also pitched in to help people

Employee Training

- **Attend Workshops (DEP, SPC, PWEA)**
- **Webinars**
- **Attend Conferences (PSATS, 3 Rivers Wet Weather)**
- **In House Training Program with Public Works**

Municipal Separate Storm Sewer System (MS4)

Minimum Control Measure #2

Public Involvement / Participation

MCM #2 Public Involvement/ Participation

- **Federal Regulations**

Comply with applicable state and local public notice requirements when implementing a public involvement / participation program (40 CFR Part 122.34(b)(2)(i)).

Public Involvement / Participation

- **Department of Environmental Protection**

- Best Management Practices (BMPs) and Measurable Goals are to be implemented and achieved:
 1. Develop, implement and maintain a written Public Involvement & Participation Program
 2. Prior to adoption of any ordinance by this General Permit, provide adequate public notice and opportunities for public review, input and feedback
 3. Regularly solicit public involvement and participation from the target audience groups
 - Conduct one public meeting per year

Public Involvement / Participation

- How to get the public involved?
 - Target Audience Groups
 - Township Residents
 - Business Owners
 - Municipal Employees
 - School Students
 - Home Owners Association

Since
1997



2016
Still Going
Strong!!

Adopt-A-Roadway Program

1. Boy Scout Troop 403 – Ehrman /Old Ehrman Road
2. Boy Scout Troop 404 – Peters Road
3. BC#- Cranberry Center – Exe. Dr./Thomson PK Dr
4. Church of JC of Latter-Day Saints – Haine School Rd.
5. Crossroad Church – Unionville & Ogleview Roads
6. Cranberry Women's Club – Progress Avenue
7. The Davis Family – Freshcorn Road
8. Karen & Gary Gajdzik – Hope & Woodlawn Roads
9. Grace Church – Marshall Road
10. Graf Family – Goehring Road
11. Hardman Family – Glen Rape Road
12. Herbert, Rowland, Grubic (HRG) – Graham School Rd.
13. The Lawver Family – Darlington Road
14. Lowe's – Mars Road
15. Oak Grove Lutheran Church – Powel Road
16. Pindroh Family – Burke Road
17. Plains United Presbyterian Church – Bear Run Road
18. Manheim Pittsburgh – Unionville Road
19. Refresh Dental – Commonwealth Drive
20. Young Bros Tae Kwon Do - Powell Road
21. Volunteer Ambulance Corps – North Boundary Road
22. Zona, Lou CPA – Old Route 19

Rain Barrel Classes



Rain Barrel Classes



Sponsored by Home Depot and Fiskars
Supported by Cranberry Township

Sponsor Composting Class

Reduce Solid Waste • Turn Kitchen Wastes Into Gardening Soil

LEARN



**BACKYARD
COMPOSTING**

...and get your own
Earth Machine Home Composter

FREE \$70 Retail Value
(Just By Attending The Class)

Presented By: Butler County Master Gardeners
Sponsored By: Cranberry Township



7:00-9:00pm
Thursday Sept. 15th
CRANBERRY TOWNSHIP
RESIDENTS ONLY
Located in the
Council Chambers at the
Municipal Center
Registration required.
Class limited to 50 participants



Register by Calling...Cranberry Twp.
Customer Service Center
724-776-4806

CRANBERRY
TOWNSHIP
Cranberry Township
Supports Backyard Composting

Conserve Landfill Space • Help The Environment

 **CRANBERRY**
TOWNSHIP

**Backyard
Composting
Instructional Class**

*Sponsored by Cranberry Township
Presented by the Butler County Master Gardeners*

MONDAY, OCTOBER 24

LOCATION
Cranberry Township Municipal Center Council Chambers
2525 Rochester Road, Cranberry Township 16066

TIME 7:00pm

FEE \$10
Includes Earth Machine Backyard Compost Bin

REGISTRATION REQUIRED
Call the Cranberry Township
Customer Service Center at
724-776-4806.

Class size is limited to 50 participants.

**Cranberry Township
supports backyard
composting!**



CRANBERRY TOWNSHIP built for you.

Reduce solid waste • Help the environment • Turn waste to soil

Composting Program for Employees



Public Involvement / Participation

Public Meeting

To

Solicit Public Involvement

Partnership Program with Haine Middle School

PROTECTING OUR WATERSHED

- BY: HAINE MIDDLE SCHOOL
PURPOSE STUDENTS

HMS Green Team



Public Presentation with Haine Middle School



Stencil Program with Haine Middle School



Stencil Program with Haine Middle School

May 23 2016 Stencils Program with Haine Middle School Students



Stencil #1 – Don't Dump Waste Leads to River



Stencil #2 – Don't Dump Waste It Kills Wildlife



Stencil #3 – Only Rain Down The Drain



Stencil #4 – No Trash Just Rain



Stencil #5 – No Dumping Drains To River



Stencil #6 – Don't Dump Drains To River



Stencil #7 – Dump No Waste Leads To Creek



Stencil #8 – Dump No Waste Let Our Fish Swim



← Morning Class



Afternoon Class →

Stencil Program with Haine Middle School



724 | 776 | 4806
724 | 776 | 4420
CranberryTownship.org

Haine Middle School Stencil Program - Monday May 23, 2016

Morning Session

8:30 Place Signs at entrance into the BelleVue Park Development

8:45 Arrive at Haine Middle School (Road in front of Building)

9:00 Students and Parents Exit Building for Stencil Training

Training Class Split into two groups

9:15 Leave Haine Middle School and walk over to BelleVue Park

9:20 to 11:00 Perform Stenciling on roads at inlets identified on handouts

11:00 Return to Haine Middle School

Afternoon Session

12:00 Place Signs at entrance into the Creekwood Commons Development

12:15 Arrive at Haine Middle School (Road in front of Building)

12:30 Students and Parents Exit Building for Stencil Training

Training Class Split into two groups

12:45 Leave Haine Middle School and walk over to Creekwood Commons

12:45 to 2:30 Perform Stenciling on roads at inlets identified on handouts

2:30 Return to Haine Middle School

Groups of 5 Tasks

1. Paint Carrier ([Paints first then Stencil](#))
2. Stencil Carrier
3. Backstop Carrier
4. Broom Carrier
5. Flag & Cone Carrier

Adult Carriers Garbage Bag & Paper Towels

Groups of 6 Tasks

1. Paint Carrier ([Paints First then Stencil](#))
2. Stencil Carrier
3. Backstop Carrier
4. Broom Carrier
5. Cone Carrier
6. Flag Carrier

Adult Carriers Garbage Bag & Paper Towels

2525 Rochester Road | Suite 400 | Cranberry Township | PA | 16066

How to Stencil Step 1



Use a wire brush or whisk broom to sweep dirt away from the stencil area.

Step 2



Position stencil next to the storm drain inlet where message will be most visible. Avoid areas where dirt and leaves will collect and cover the message.

Step 3



Consider using a cardboard box, cut open to form a border around the stencil to protect against overspray.

Step 4



Spray paint the message.
Two light coats are better than a thick single coat. Stenciled messages last for approximately two years on a paved surface.

Step 5



While some team members are stenciling, have others visit local residents or businesses to hand out fact sheets or door hangers explaining where the storm drains go.

Step 6



Clean up. Place stencils in a cardboard folder for transportation.
Open folders and lay flat in the sun to dry.
When paint is dry store the stencils in their folder where they will be ready for future use for your next stencil day.

Stencil Program with Haine Middle School

Cranberry Township / Haine Middle School Stencil Program (May 23, 2016)

Performed at the BelleVue Park 9:00 am to 11:30

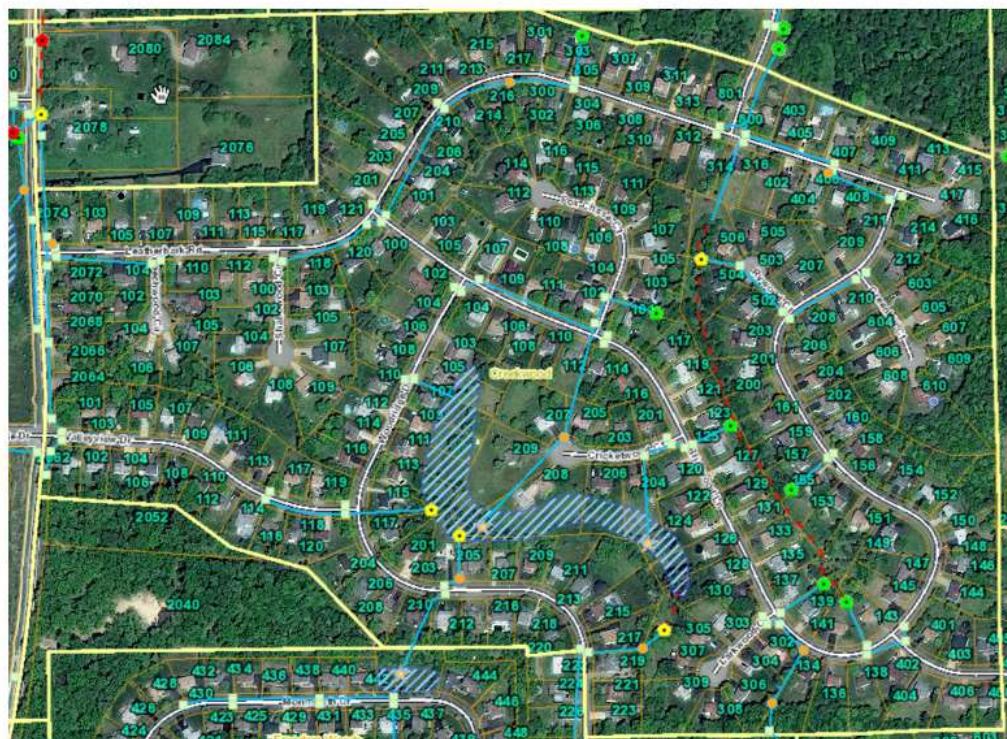


Stencil Program with Haine Middle School

Cranberry Township / Haine Middle School Stencil Program (May 23, 2016)

Performed at the Creekwood 12:30 am to 3:00

57 Inlets



Stencil Program with Haine Middle School



Environmental Partners

Youtube Video from Cranberry Township Website

Haine Middle School Students – Work with MS4 Program

**Butler County
Conservation
District**

**2014
Outstanding
Youth Award**



STEM FEM – Storm Drain Stenciling Event

Science, Technology , Engineering and Math (STEM)

STORM DRAIN STENCILLING EVENT 5/12/2015

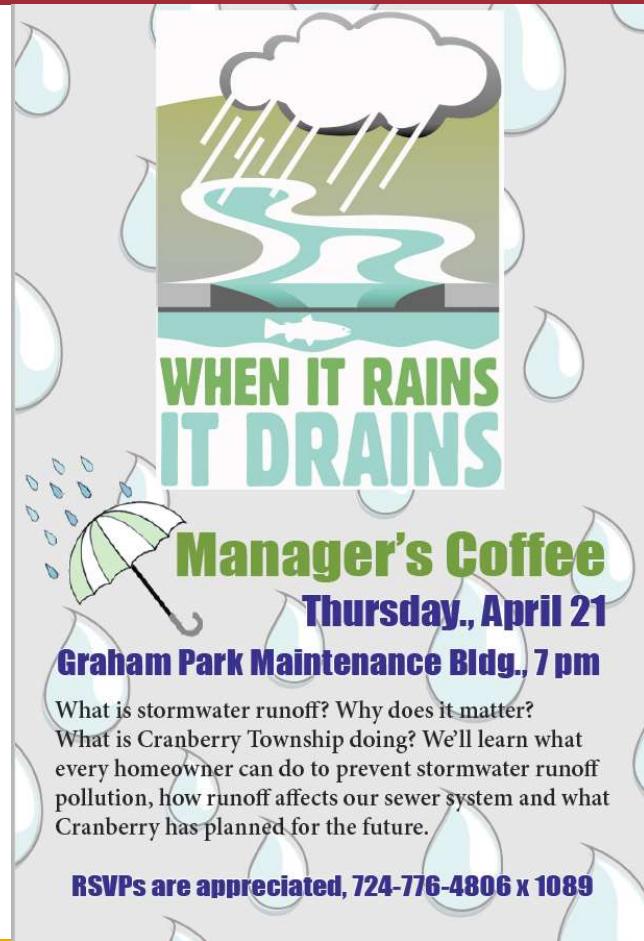
GRAHAM PARK DRIVE



Home Owners Association

- H.O.A. Neighborhood Forum
 - 63 Neighborhood Developments
- Send out Annual Notice
 - Inspect and Maintain Stormwater Management Facilities

Coffee with the Township Manager



Participate in Workshop Training

SPC Water Resource Center

[About WRC](#) | [Geography](#) | [Policy & Regulations](#) | [Regional Information & Technical Resources](#) | [Educational Materials](#)

[Educational Materials](#)



Municipal Separate Storm Sewer System

Upcoming Trainings

A Local Perspective on Addressing MS4 Requirements

The WRC is pleased to announce the upcoming free workshop.

Ever wonder how other local governments in Western Pennsylvania are managing their Municipal Separate Storm Sewer System (MS4) Program? Tim Schutzman, Waterworks Coordinator, highlights what Cranberry Township, Butler County, is doing to meet their MS4 permit requirements.

Tuesday, August 23, 2016
Cranberry Township Municipal Center
Council Chambers
2525 Rochester Road
Cranberry Township, PA 16066

Agenda

- Introduction on Township
- How Cranberry Township Addresses the Six Minimum Control Measure (MCM) Requirements
 - Public Education and Outreach on Stormwater Impacts
 - Public Involvement / Participation
 - Illicit Discharge Detection and Elimination
 - Construction Site Stormwater Runoff Control
 - Post Construction Stormwater Management in New and Re-Development Activities
 - Pollution Prevention / Good Housekeeping
- Future Permit Requirements/Questions

The workshop will be held from 9 am – noon; registration will begin at 8:30 am.

To register, visit <https://www.surveymonkey.com/r/7N2QKGG> or contact Linda Duffy at 412-391-5590 ext. 324.

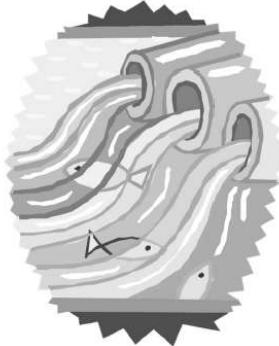
Additional Information - DEP MS4 Resources



Additional Information – DEP MS4 Resources

This booklet belongs to: _____

The Spring Creek Stormwater Activity Book

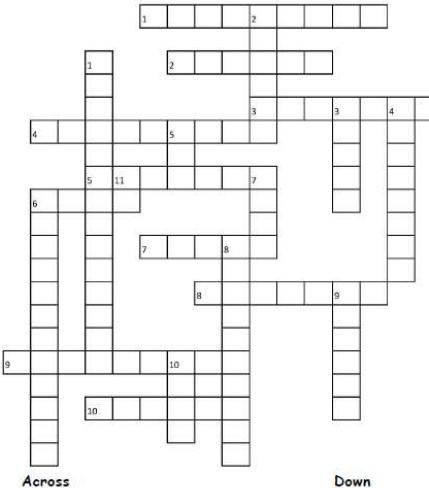


An activity booklet designed to teach children about water resources and stormwater pollution

Created by the MS4 Partners
College, Ferguson, Harris, and Patton Townships;
Penn State; and State College Borough

Crossword Puzzle

Everything we do is interconnected and can affect something else. Complete the crossword puzzle below. Hint, many of the words can be found in this activity book.



Across

- 1) A local University
- 2) A rain _____, for storing water
- 3) A Spring Creek Mountain
- 4) A town at the mouth of the watershed
- 5) A practice that helps the environment
- 6) A form of precipitation
- 7) A landscape term describing sinkholes and closed depressions
- 8) A local municipality (2 will work)
- 9) An under drained valley of Spring Creek
- 10) A town at the base of 3 across

Down

- 1) A large local wetland
- 2) Where water comes out of the ground
- 3) A Spring Creek fish
- 4) Pollution not from a single spot or "point"
- 5) Something you do at a store
- 6) A Spring Creek tributary
- 7) A compass direction
- 8) What this activity book is about
- 9) Where the community gets its drinking water
- 10) A type of bird found around marshes
- 11) Something you say when you touch something slimy

Additional Information – DEP MS4 Resources

- EPA Resources (Fact Sheets, Guidance, Training and Webcasts)

<http://www.epa.gov/npdes/stormwater-discharges-municipal-sources#resources>

- DEP Resources (Template, PowerPoint, Stenciling and Landscape Manual)

<http://www.dep.pa.gov/Business/Water/PointNonPointMgmt/StormwaterMgmt/Stormwater/Pages/MS4-Resources.aspx#.VsNAPaMo6Uk>

Questions

