

Annual Municipal Separate Storm Sewer System (MS4) Permit Review

Middlesex Township Board of Supervisors Meeting
February 4, 2026



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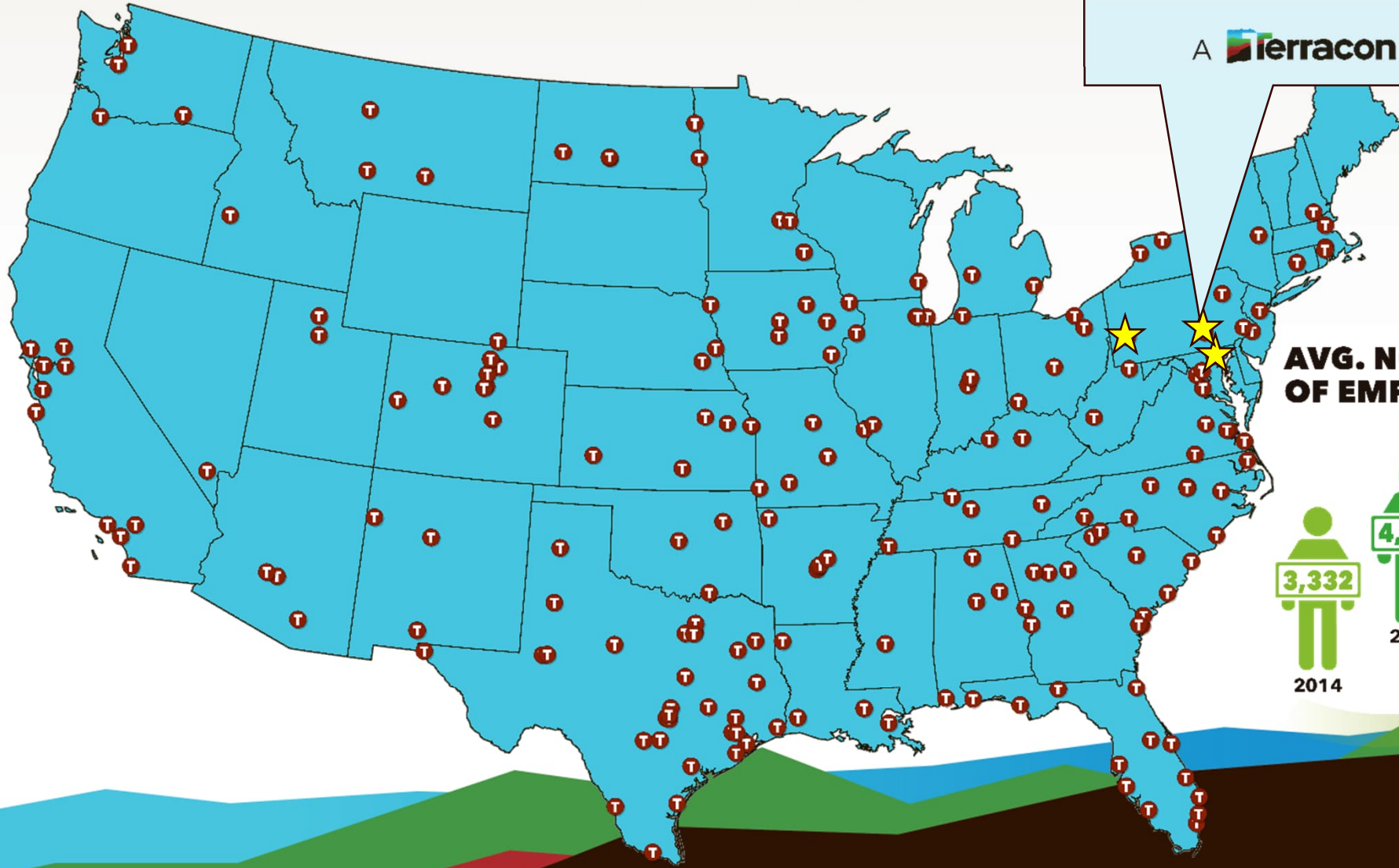


JENNIFER
STRAUSS
Sr. Staff Scientist

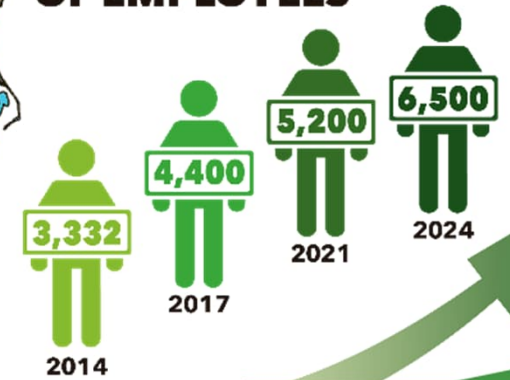


CARROL
EHRHART,
RLA
Department
Manager
Environmental
Engineering

Introductions



AVG. NO. OF EMPLOYEES



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Today's Topics

- Program Refresher
 - MS4 Basics
- Progress Report
 - Minimum Control Measures 1-6
 - Pollutant Reduction Plan Projects: Completed and Status Update
- Training and Outreach
 - 10/16/25 MCM6 Pollutant Prevention/Good Housekeeping Training
 - 12/13/25 PSATS Stormwater/MS4 Virtual Conference Presentation
- Looking Ahead
 - 2026 Deliverables
- Question & Answer

Program Refresher

MS4 Basics

MCM#1 – Public Education and Outreach

MCM#2 – Public Involvement and Participation

Inform/Act

MCM#3 – Illicit Discharge Detection and Elimination

MCM#4 – Construction Site Runoff Control

MCM#5 – Post-Construction Stormwater Management

MCM#6 – Pollution Prevention and Good Housekeeping

Prevent Pollution

Pollutant Reduction Plan

Reduce Pollution

Progress Report

MCM1-2: Public Education, Outreach, Involvement, and Participation



Routine Updates and Practices

- Review and Update Combined Public Education and Outreach Program (PEOP) and Public Involvement and Participation Program (PIPP)
- Continue Public Outreach via Township Newsletter

Middlesex Township/
North Middleton
Township Joint
Composting Site
Windy Lane (intersection of Beagle Club Rd
and W. Middlesex Dr)

Dates and Hours of Operation:
March 1—October 15 (Will
not be open if snow covered)
Mondays, 8am—12noon

foot lengths and no larger than
12 inches in diameter. There
should be NO FRUIT on the
branches.

Not Acceptable Items:
stumps, bamboo, grass clip-
pings, ornamental grasses,
rose bushes, flowers & bulbs,
vines, roots of any kind, gar-
bage, bulk items, dirt, stones,
bricks, construction debris,
concrete, hazardous materials,
charcoal, fruits and/or vegeta-
bles, bags or containers.

****Don't forget— Identification
is required
Please see our website
www.middlesextwp.com for
more information**

Penn Waste Will Collect Leaves
Penn Waste will offer curbside leaf collection for township residents on Saturday, April 19, 2025. Leaves **MUST** be in open containers (no lids) and easily identified as leaf waste or leaves can be placed in PAPER leaf bags. No garbage, sticks, twigs, animal waste or paper should be included. Please do not place unacceptable items under the leaves. If any of these items are included, your container will be refused, and you will be responsible to dispose of them yourself. Remember Township Ordinance 13-2007 prohibits the burning of leaves. If you have any questions, please call the township office at 717-249-4409.

Cumberland County Household Hazardous Waste
Cumberland County is offering four household hazardous waste disposal events in 2025. Similar to previous years, participants must sign up for an appointment in advance. Appointment slots are available in 15 minute increments and are established to address operational logistics.

Acceptable Materials will be weighed and each customer will be charged \$0.75/lb. for disposal.

- Each event will be limited to 400 registrants. Register online (www.cumberlandcountypa.gov/3499) or by phone 717.240.6489

Open only to Cumberland County residents.

All event dates:

- Thursday, April 10, 2025, 11:00 am to 5:00 pm
- Saturday, May 31, 2025, 9:00 am to 3:00 pm
- Saturday, August 16, 2025, 9:00 am to 3:00 pm
- Thursday, October 23, 2025, 11:00 am to 5:00 pm

Additional program information can be found at www.cumberlandcountypa.gov/3499



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MCM1-2: Public Education, Outreach, Involvement, and Participation

Splash Pad update: Due to needed maintenance Splash Pad opening will be delayed until 2pm Friday, June 6, 2025

As of March 1, 2024, Mill Road will be closed until further notice.

MIDDLESEX TOWNSHIP

HOME
RESOURCES
DEPARTMENTS
SCHEDULES
CONTACT
MS4
TOWNSHIP DOCUMENT ARCHIVE
NEWS
INFORMATION
LOGIN
NEWSLETTER

Events

ALL BOARD OF SUPERVISORS FEATURED INFORMATIONAL MUNICIPAL AUTHORITY
PARKS & RECREATION PLANNING COMMISSION RECREATION ADVISORY BOARD
ZONING HEARING BOARD

FILTER EVENTS

DATE FROM: 2024-07-01

DATE TO: 2025-06-30

Filter

ALL EVENTS

July 2024

Bulk Item Pickup Day

Call (717) 767-4456 SET-OUT PICK-UP

1 2 3

Bulk Waste Collection Day

July 17, 2024
All-day event

Municipal Authority - Regular Meeting

July 18, 2024
7:00 pm
Municipal Building

LOCATIONS

Cumberland County Recycling Center
Middlesex Twp Park
Municipal Building

WEATHER INFO

Local Time 8:59 am
Today June 5, 2025 65°F 2 m/h
Friday June 6, 2025 78°F 1 m/h

Household Hazardous Waste Collection Day

October 24, 2024
11:00 am - 5:00 pm
Cumberland County Recycling Center

PLANNING COMMISSION

Planning Commission - Regular Meeting CANCELLED

October 28, 2024
7:00 pm

November 2024

Application for permission
Please visit the open file

PLANNING COMMISSION

Planning Commission - Workshop Meeting

November 11, 2024
7:00 pm
Municipal Building

Bulk Item Pickup Day

Call (717) 767-4456 SET-OUT PICK-UP

1 2 3

Bulk Waste Collection Day

November 20, 2024
All-day event

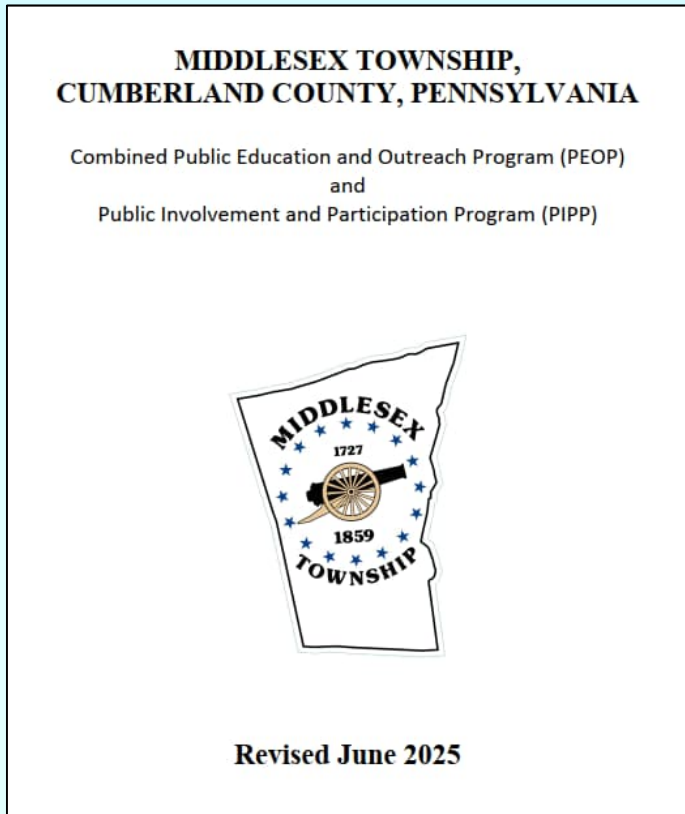
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MCM1-2: Public Education, Outreach, Involvement, and Participation

Types of Documentation: Reporting Period Summaries



MCM 1

- Updated Publication Education and Outreach Program

MCM2

- Updated Public Involvement and Participation Program
- Discussed MS4 and Stormwater at Board of Supervisor Meetings

MCM 3, 4, 5, and 6

Types of Documentation: Reporting Period Summaries

MIDDLESEX TOWNSHIP, CUMBERLAND COUNTY, PENNSYLVANIA

Illicit Discharge Detection & Elimination Program
(IDD&E)



Revised June 2025

MCM 3

- Updated Illicit Discharge Detection and Elimination (IDDE) Manual

MCM4

- Township Building Permit Summary Report
- Municipal Notices to Cumberland County Conservation District
- Township Engineer's Summary of Construction Stormwater Inspections

MCM5

- Township Engineer's Report for NPDES PCSM Inspections

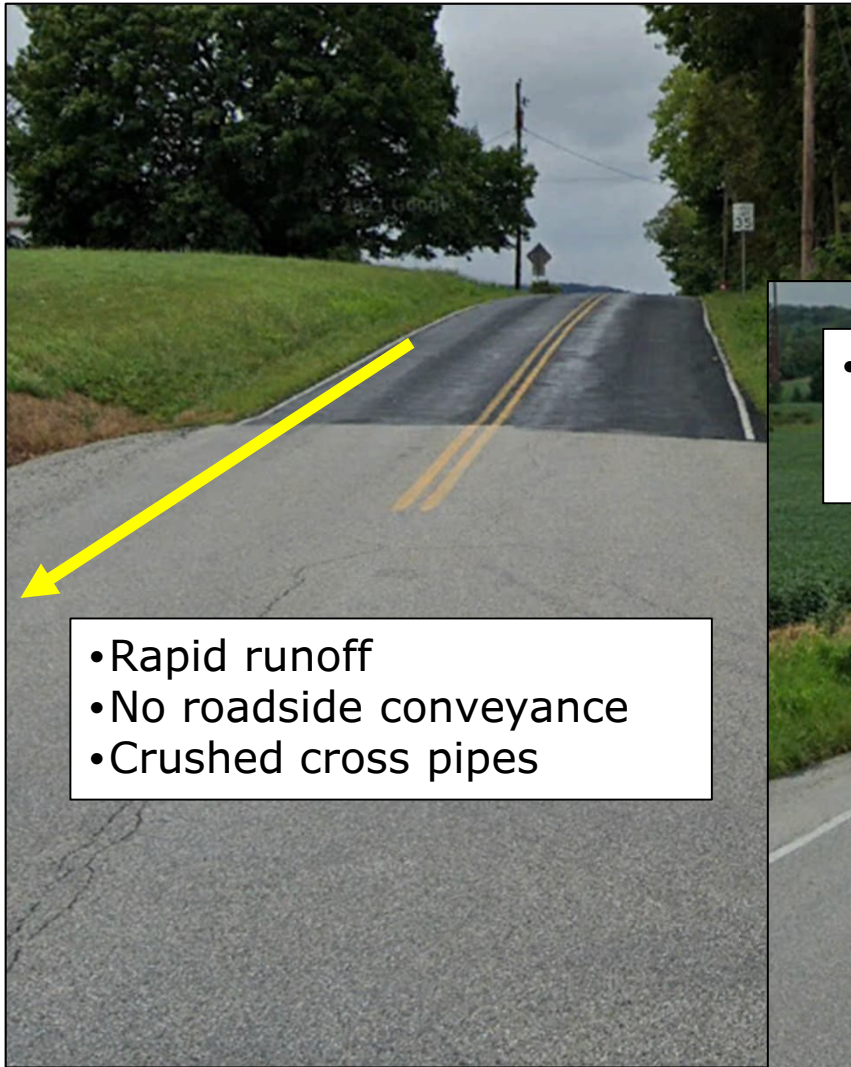
MCM6

- Staff Training
- Work Log
- Anderson Park Maintenance

Pollutant Reduction Plan Projects Completed and Status Update

Project 4 (Before):

Wolf's Bridge Road & West Middlesex Drive



- Rapid runoff
- No roadside conveyance
- Crushed cross pipes



- Deteriorated macadam in turning path off the intersecting road

Prior to Project 4, there were no roadside swales Along Wolf's Bridge Road.

Persistent road flooding and inadequate conveyance caused bank erosion and paving deterioration at the upper end of these segments.

Project 4 (During):

Wolf's Bridge Road & West Middlesex Drive



Wolfs' Bridge Rd. north of West Middlesex Drive looking south



Wolfs' Bridge Rd. south of West Middlesex Drive looking north



Wolfs' Bridge Rd. south of West Middlesex Drive looking north

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Project 4 (After):

Wolf's Bridge Road and West
Middlesex Drive



Looking west



Looking south



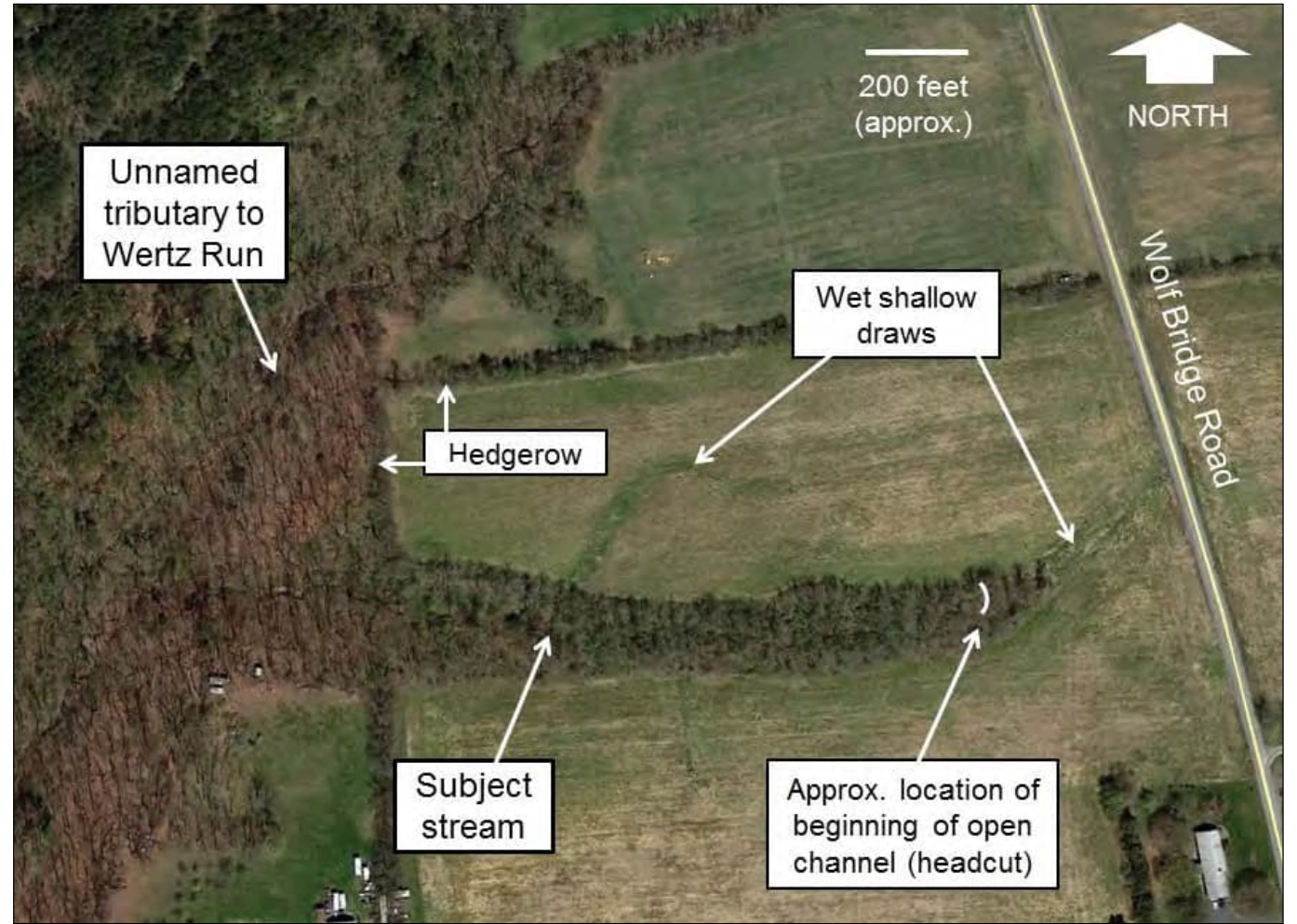
Looking north

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Project 8 (Before):

Unnamed Tributary to Wertz Run Stream Restoration



Project 8 (During):

Unnamed Tributary to Wertz Run Stream Restoration



Installing Reach 1 Log Step



Installing Reach 1 Rock Steps

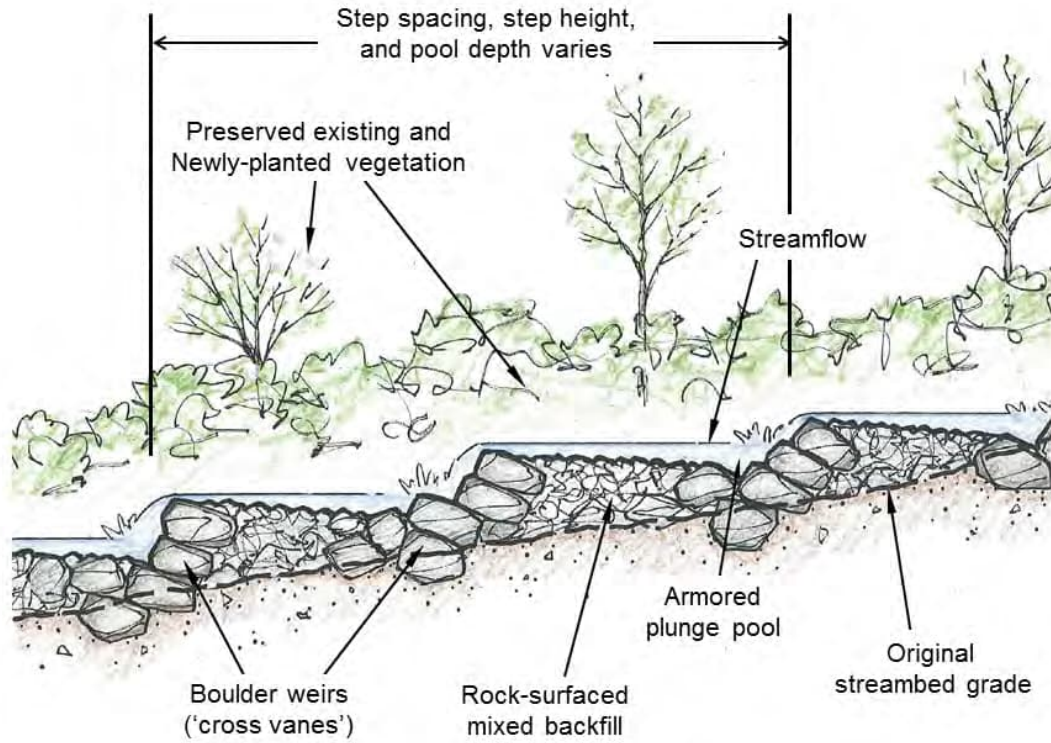
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Project 8 (After):

Unnamed Tributary to Wertz Run Stream Restoration



Facing northeast/upstream of Reach 1 and
Reach 2 Rock Steps with Erosion Control Matting



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MCM6 Pollution Prevention/Good Housekeeping Training

October 16, 2025



Training Topics

- MS4 Permit
- Good Housekeeping
- Fix or Tell
- Roles and Responsibilities
- Scavenger Hunt

Middlesex Township MS4 Good Housekeeping Scavenger Hunt

October 16, 2025



- ☐ Maintenance Garage does not have fresh oil stains on floor
- ☐ Products stored in proper containers that are in good condition
- ☐ Storage Building floor swept
- ☐ Tires stored inside
- ☐ Batteries stored in single layer on secondary containment pallet away from elements
- ☐ Landscape product properly labeled
- ☐ Salt not escaping from storage area entry point
- ☐ Healthy vegetation adjacent to paved surfaces
- ☐ Facility generally organized and clean
- ☐ Trash and salvage are in refuse containment

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2025 PSATS Stormwater/MS4 Virtual Conference

November 13, 2025

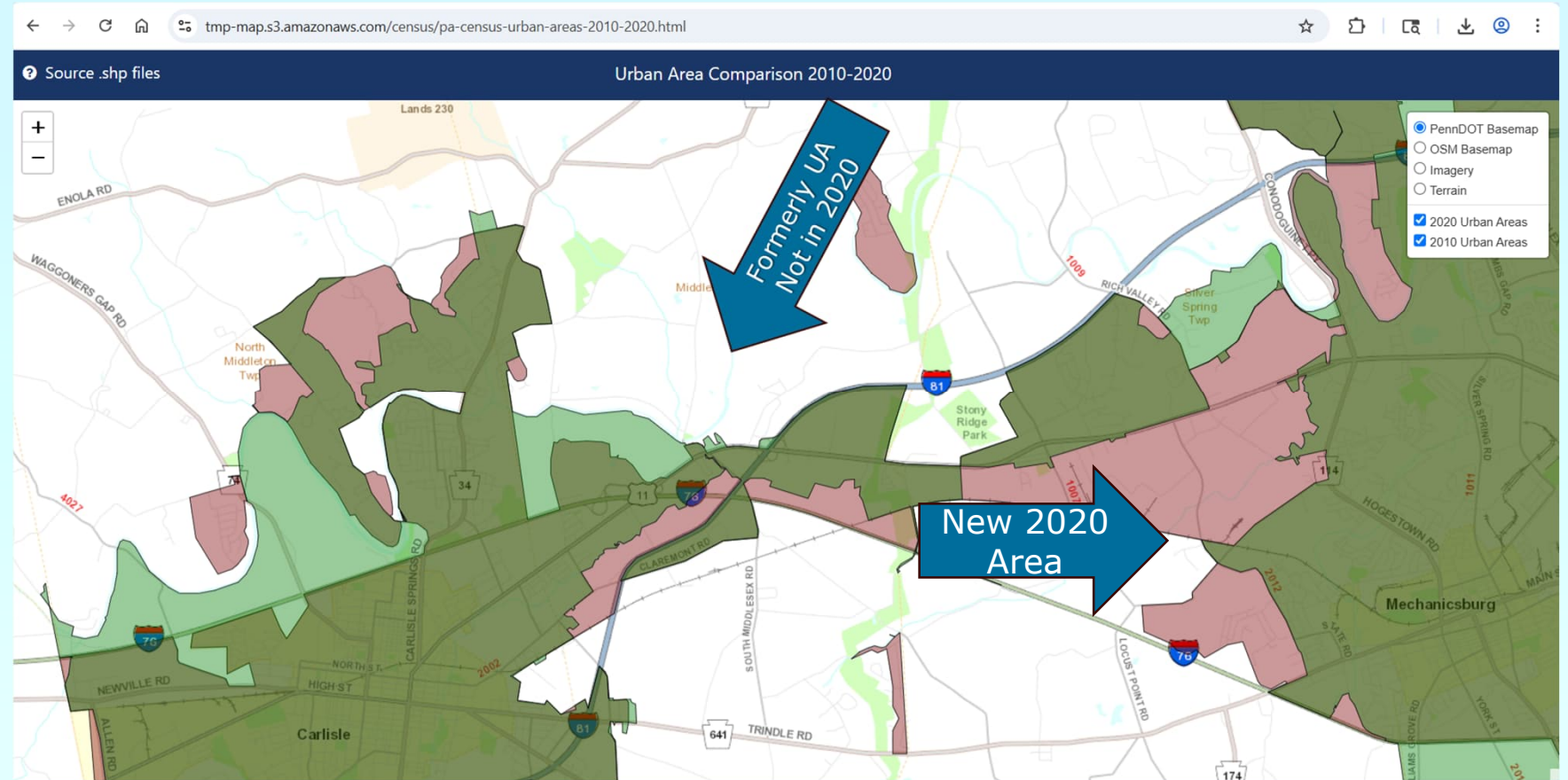
Economic Stewardship

- Use Already completed analytics
 - Concepts developed for PRP
 - Completed watershed study that identified problem segments of Letort Spring Run
- Select sites without acquisition costs
 - Mostly municipally owned sites
- Piggyback stormwater with other required construction
 - Selected sites with other deficiencies like flooding and damaged infrastructure
- Seek Grant Funding
 - Grant 1: Mariner Pipeline II Grant \$631,600
- **Be a Little Red Hen!**
 - Outreach, Construction, and Plant Establishment- Township Maintenance Staff
 - As-needed Professional Services – Consultant



Presentation Highlights

- Economic Stewardship
- Upcoming Permit Requirements
- Funding New Stormwater Control Measures



Looking Ahead

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2026 Deliverables

- Pollutant Reduction Plan Project 8
- Spill Incident Response Form
- Privately-owned Stormwater Control Measure Operation & Maintenance documentation
- Outfall inspections
- MS4 Annual Report



**ANNUAL MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4)
STATUS REPORT
FOR THE PERIOD July 1, 2024 TO JUNE 30, 2025**

GENERAL INFORMATION					
Permittee Name:	Middlesex Township Cumberland County	NPDES Permit No.:	PA1133526		
Mailing Address:	350 N Middlesex Road	Effective Date:	August 1, 2023		
City, State, Zip:	Carlisle, PA 17013	Expiration Date:	July 31, 2028		
MS4 Contact Person:	Eileen Gault	Renewal Due Date:	February 2, 2028		
Title:	Township Manager	Municipality:	Middlesex Township		
Phone:	717-249-4409	County:	Cumberland		
Email:	egault@middlesextwp.com				
Co-Permittees (if applicable):					
Appendix(ces) that permittee is subject to (select all that apply): ☐ Appendix A ☒ Appendix B ☐ Appendix C ☒ Appendix D ☒ Appendix E ☐ Appendix F					
WATER QUALITY INFORMATION					
Are there any discharges to waters within the Chesapeake Bay Watershed? ☒ Yes ☐ No					
Identify all surface waters that receive stormwater discharges from the permittee's MS4 and provide the requested information (see instructions).					
Receiving Water Name	Ch. 93 Class.	Impaired?	Cause(s)	TMDL?	WLA?
Conodoguinet Creek	WWF	No		Yes	No
Conodoguinet Creek Tributary (Reach 63)	CWF	No		Yes	No
Conodoguinet Creek Tributary (Reach 69)	CWF	No		Yes	No
Conodoguinet Creek Tributary (Reach 44)	CWF	No		Yes	No
Hogestown Run	CWF	Yes	Siltation; Organic Enrichment/Low D.O. Pathogens	Yes	No
Hogestown Run Tributary (Reach 99)	CWF	Yes	Siltation; Organic Enrichment/Low D.O. Pathogens	Yes	No
Letort Spring Run	HQ-CWF	No		Yes	No
Letort Spring Run Tributary (Reach 21)	HQ-CWF	No		No	No
Wertz Run	WWF	Yes	Siltation	Yes	No
Wertz Run Tributary (Reach 22)	WWF	No		Yes	No
Wertz Run Tributary (Reach 13)	WWF	No		Yes	No

Question & Answer

Contacts

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