



MS4 DEPARTMENT MONTHLY REPORT

January 29, 2024 – February 29, 2024

NOTEWORTHY ITEMS

- ❖ February brought fluctuating temperatures with significant mixed precipitation events throughout the month. We experienced multiple snowstorms and rainstorms, some moderate to heavy (5.6" of snow and rain in one event!), sometimes in the same day.
 - ❖ Our maintenance team were out in full force salting and plowing roadways and public sidewalks throughout the Borough during and after each storm event.
 - ❖ The heavy, wet snow caused many trees and limbs throughout the Borough (and neighboring municipalities) to spontaneously fall.
 - ❖ A HUGE THANK YOU to our entire crew for going out in the harshest of weather to ensure safer conditions for our drivers and pedestrians.



- ❖ Cleared piles of snow off storm drains to ensure flow of stormwater into drains.

BEFORE



AFTER



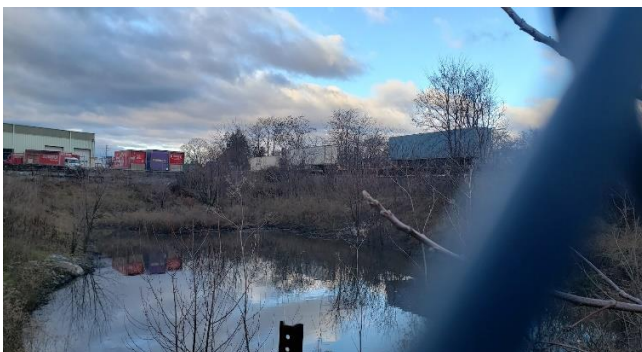


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- ❖ Inspected storm drains, inlets, outfalls, tributaries, BMPs, and green infrastructure throughout the month during all weather conditions.



- ❖ Monitored flow of stormwater and assessed condition and performance of storm drains, inlets, outfalls, tributaries, and infiltration into swales and BMPs during rainstorms, light snow, sleet, and dry conditions.
 - ❖ Heavy snow, rapid snowmelt, and moderate rains created a steady stormwater flow throughout our grey and green infrastructure and directed stormwater to outfalls and infiltration areas.
 - ❖ Water infiltrated within 24-72 hour timeframe after snowmelt.



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- ❖ Heavy rain and snowmelt caused clogged infrastructure in many areas of the Borough. After clearing the roads, Maintenance staff cleared storm drain, inlet, and vegetated swale at 5th St & Washington Terrace by raking and shoveling out mud, compacted leaves, and debris.

BEFORE



AFTER



- ❖ Cleared trash, debris, leaves, and skid stones out of storm drains, inlets, rain gardens, and swales prior to, during, and after storms multiple times throughout month to prevent localized flooding and reduce pollution in storm drains.

BEFORE



AFTER



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- ❖ Removed trash, leaves, and debris from Rain Gardens and pots.

BEFORE



AFTER



BEFORE



AFTER



- ❖ Bare Root Tree Grant from TreePennsylvania

- ❖ Received requirements and new procedures for 2nd round of grant submissions.
- ❖ Looked carefully at all public spaces within Borough to determine best placement for listed available trees, including underground pipes, overhead wires, soil conditions, surrounding trees, etc.
- ❖ Worked with maintenance staff to determine most successful areas for available tree species, including current maintenance plan.
- ❖ Created & submitted comprehensive planting plan to DCNR Forester for professional review and approval.
- ❖ Received feedback from Forester; modified planting plan accordingly.
- ❖ Completed final grant application and finalized planting plan. Submitted to TreePennsylvania.
- ❖ Grant was approved and we now wait for our trees to arrive! 😊



- ❖ Participate in Stormwater University Training – Combining Green & Gray Infrastructure for Stormwater Management and Flood Risk Reduction





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❖ ARBOR DAY FESTIVAL 2024

- ❖ **WHEN:** Saturday, 4/27/2024 from 10:00 am – 2:00 pm
 - ❖ **WHERE:** Memorial Park (30 Peach St, Lemoyne, PA 17043)
 - ❖ **WHAT:** FREE activities for kids and adults, including – Live Animals, Vendors, Arts, Crafts, Prizes, Giveaways, STEM Activities, & More!
 - ❖ **WHO:** Kasha Griva, kgriva@lemoynepa.com, (717) 317-1412
- ❖ Event is rain or shine – all activities under tents! All day fun for adults and children!
 - ❖ If you would like to sponsor, volunteer, or participate, please contact Kasha Griva at the contact information listed above!

Lemoyne Borough is hosting our 2nd annual free community outreach educational event for children and adults of all ages on Saturday, 4/27/2023 from 10 am – 2 pm at Memorial Park in Lemoyne. **This event is being held rain or shine, with all activities held under tents & pavilions!**

See how native trees and plants clean water, mitigate stormwater pollution, reduce erosion, and balance the ecosystem. Learn how to make changes at home to help native birds, pollinator insects, and wildlife.

There will be presentations with time in between to visit tables of local organizations as well as art stations, craft projects, fun hands-on STEM activities, giveaways, and more. Some of the events will provide interactive education about how to help butterflies, birds, and animals that live in our community and depend on clean water and air.

Meet live animals from Red Creek Wildlife Rescue that depend on our trees and clean water at 11am!
Touch or hold reptiles, amphibians, and small mammals from Critter Connections at 12 pm!
Discover all the amazing things that trees and native plants do!
Plan your garden with the Master Gardeners.
Pick up a free native tree, shrub, and seeds to start your garden!
Dig in the dirt, practice planting, and check out a composting bin with worms!
Learn how to fish! Connect to your local waterways!
Discover local water bugs at the Stream in the Bucket experiment.
Meet Wally the Emotional Support Alligator!
See a hawk, an owl, and vulture up close!
Touch bugs, snakes, turtles, rabbits, and more!
Grab a free book!
Donate your old bike! Get free minor bike repairs on site. Learn how to ride a bike!
Create art and do craft projects at many of our vendor tables!
Play interactive environmental games!
Learn about rain barrels and how to conserve water.
Check out our pop-up Story Walk in the park!
Enter raffles and win prizes!



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We look forward to seeing you at the festival! Here are some of the organizations joining our Festival:

Barlett Tree Experts – [Bartlett Tree Experts: Tree Services](#)

Pick up a free tree to plant at home while supplies last!

Blue Moon Games – [Blue Moon Games \(bluemoongamer.com\)](#)

Play an interactive environmental game! Check out their supply of trading card games, board games, dice, miniatures, and more!

Bird Town Pennsylvania – [Home - Bird Town Pennsylvania \(birdtownpa.org\)](#)

Discover Backyard Habitat Programs and learn how to naturally reduce stormwater runoff, greenhouse gases, and use of pesticides to create a healthier, more sustainable environment for birds, wildlife, and people!

Chesapeake Bay Foundation – [Homepage - Chesapeake Bay Foundation \(cbf.org\)](#)

Free native tree and shrub giveaway while supplies last at the Conodoguinet Creek Watershed booth.

Critter Connection – [Critter Connections - Critter Connections \(critterprograms.com\)](#)

Hold snakes, geckos, turtles, a tortoise, bearded dragons, rabbits, guinea pigs, and a toad!

The Cumberland County Team, including:

Clean Water Cumberland – [Clean Water Cumberland | Cumberland County, PA - Official Website \(cumberlandcountypa.gov\)](#)

Conservation District – [Conservation District | Cumberland County, PA - Official Website \(cumberlandcountypa.gov\)](#)

Keep Cumberland County Beautiful – [Keep Cumberland County Beautiful | Cumberland County, PA - Official Website \(cumberlandcountypa.gov\)](#)

Planning Department – [Planning Department | Cumberland County, PA - Official Website \(cumberlandcountypa.gov\)](#)

Vector Control, Weights & Measures – [Vector Control | Cumberland County, PA - Official Website \(cumberlandcountypa.gov\)](#)

Waste & Recycling – [Recycling & Waste | Cumberland County, PA - Official Website \(cumberlandcountypa.gov\)](#)

Watershed Program – [Watershed Program | Cumberland County, PA - Official Website \(cumberlandcountypa.gov\)](#)

Conodoguinet Creek Watershed Association – [Home - Pennsylvania Conodoguinet Creek Watershed Association \(conocreek.org\)](#)

Meet Freddy the Fish and learn about pollution impacts and how to clean our streams. Pick up a free tree while supplies last! Learn about clean up efforts on the Conodoguinet Creek and how to help!

Fairhaven Healing – [Fairhaven Healing | Reiki | Camp Hill, PA, USA \(fairhaven-healing.com\)](#)

Making changes at home in your garden can make a big impact in helping save Monarch Butterflies! XXX a craft and grab wildflower seeds to help pollinators at your home!

[Monarch Butterfly Conservation | My Site \(fairhaven-healing.com\)](#)



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[Wildlife Rescue | My Site \(fairhaven-healing.com\)](#)

Fredricksen Library – [FRE | Cumberland County Libraries](#)

Browse great books and participate in STEAM activities from the Kunkel Creation Station and our Jane Goodall Roots to Shoots educator! Dig in the dirt and learn to plant! Experience a composting bin in action!

Lemoyne Borough Shade Tree Commission – [Shade Tree Commission | Lemoyne PA](#)

Visit this table for raffles and prizes from our sponsors!

Lemoyne Borough Stormwater / MS4 – [Stormwater | Lemoyne PA](#)

Discover stormwater best management practices, including our rain gardens, and learn how to plant pollinator-friendly gardens at home!

Members 1st Federal Credit Union – [Members 1st Federal Credit Union | PA Credit Union](#)

Play games, make a craft, and enter to win prizes!

PA Dept of Agriculture Bureau of Plant Industry – [Plant Industry \(pa.gov\)](#)

Learn about new fertilizer laws enacted in July 2022, and best practices to reduce stormwater runoff.

PA Dept of Agriculture Bureau of Plant Protection – [Plant Protection \(pa.gov\)](#)

Discover how to identify and control plant pests, including insects, nematodes, fungi, bacteria, and viruses that impact PA's natural resources.

PA Department of Agriculture, Hardwood Development Council PA WoodMobile – [WoodMobile \(pa.gov\)](#)

The WoodMobile is a traveling museum providing interactive experiences to help our visitors understand our forests, the sustainable forest products industry, how products are made, and threats to our forests such as invasive plants and insects, diseases, and white-tailed deer.

PA Fish & Boat Commission – [Pennsylvania Fish & Boat Commission - Homepage \(fishandboat.com\)](#)

Learn how to fish! Connect with our local waters.

PA American Water – [Pennsylvania American Water | We Keep Life Flowing \(amwater.com\)](#)

Join the Environmental Educator team from the Splash Lab for hands on crafts or STEM activities and giveaways!

[Our Story \(amwater.com\)](#)

Penn State Master Gardeners – [Master Gardener \(psu.edu\)](#)

Create leaf paintings and learn all about native trees and plants, invasive plants and insects, rain gardens, pollinator-friendly gardens, and more!

Penn State Master Watershed Stewards – [Master Watershed Steward Program \(psu.edu\)](#)

Participate in hands on Watershed experiments and see the creatures that live in our creeks and streams! Learn about Lawn Conversion, Watershed Property Certification, and more.



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Red Creek Wildlife Center – redcreekwildlifecenter.com

Meet live animals, including a mammal, a reptile, a hawk, a vulture, and an owl that were all rescued here in Pennsylvania!

Recycle Bicycle – [Recycle Bicycle Harrisburg - Recycle Bicycle Harrisburg \(rbhburg.org\)](http://Recycle Bicycle Harrisburg - Recycle Bicycle Harrisburg (rbhburg.org))

Learn how to ride a bike! Discover helmet safety. Receive free minor bike repairs onsite. Donate your old bikes! Receive information about how to obtain a free bike.

Susquehanna River Basin Commission – [Susquehanna River Basin Commission: Coordinating Water Resource Efforts \(srbc.gov\)](http://Susquehanna River Basin Commission: Coordinating Water Resource Efforts (srbc.gov))

Stop by for information about native Pennsylvania species that depend on a clean river, stormwater best management practices, PFAS, water rights, the Susquehannock, and a fun activity for kids!

Wally the Emotional Support Alligator – [Wally The Alligator Just Wants To Cuddle With You \(youtube.com\)](http://Wally The Alligator Just Wants To Cuddle With You (youtube.com))

Meet the world-famous Wally, the Emotional Support Alligator and his dad, Joie Henney!

Optional: photos standing next to Wally cost \$5; photos holding Wally cost \$10.

[Wally Gator \(@wallygatornjoie\) • Instagram photos and videos](http://Wally Gator (@wallygatornjoie) • Instagram photos and videos)

West Shore Historical Society – West Shore Historical Society

Learn about the history of Central Pennsylvania through books, artifacts, and photos. See how historic flooding has changed our towns. Grab some easy grow seed packets or make pollinator-friendly biodegradable wildflower seed bombs!

West Shore School District Bookmobile – [Bookmobile \(wssd.k12.pa.us\)](http://Bookmobile (wssd.k12.pa.us))

Meet Beatrice, the Bookmobile and Mr. Bishop, our 4th Grade Teacher (and 2024 Bookmobile Driver)! Help Drive Literacy Home! Children are welcome to select a free book.

Whitaker Center – Whitaker Center

Experience the Whitaker on Wheels Van and perform hands-on STEM activities with the Whitaker educators!

Wildlife In Need – [Wildlife In Need Emergency Response of Pennsylvania - Home \(winemergencyresponse.com\)](http://Wildlife In Need Emergency Response of Pennsylvania - Home (winemergencyresponse.com))

Meet a Wildlife Rescue Volunteer and learn how to safely help sick, orphaned, or injured wild animals.

Yellow Breeches Watershed Association – [Home | Yellow Breeches Watershed Association \(ybwatershed.org\)](http://Home | Yellow Breeches Watershed Association (ybwatershed.org))

Learn about clean up efforts on the Yellow Breeches and how you can help!

Food truck will have items available for purchase.