



MS4 DEPARTMENT MONTHLY REPORT

October 1, 2022 – October 28, 2022

NOTEWORTHY ITEMS

- ❖ Earlier in the month, frequent moderate rainstorms caused clogged storm drains and inlets. MS4 staff cleared sedimentation, debris, trash, and fallen leaves out of drains to prevent flooding.
- ❖ Trash and debris were removed from Rain Gardens and pots throughout month by MS4 staff.
- ❖ Seasonal watering of rain gardens and pots has ended; watering truck has been prepared for brine.
- ❖ Street Sweeping continues as scheduled.
- ❖ Due to early leaf drop, leaf truck has been prepared with leaf box and vacuum attachment; Maintenance Department has begun leaf clean up on some days, following street sweeping schedule.

- ❖ Area surrounding Outfall 001 Stream Restoration Project behind the Harrisburg Academy fields has been weed whacked and cleaned up by MS4 staff.

Before



After



Outfall Stream



- ❖ Cleared leaves, debris, sediment, & trash from vegetated swales throughout Negley Park.
- ❖ Monitored flow of storm water and visually inspected condition and performance of storm drains, inlets, outfalls, and absorption and infiltration into BMPs during moderate rainstorms.
- ❖ Attended Lemoyne Borough Annual public budget meetings for Stormwater and All Funds.

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- ❖ Dry conditions later in month allowed us to resume Stormwater Inlet Drain numbering throughout the Borough, to more quickly and accurately identify location of drains and provide more efficient tracking in iWorQ system.



- ❖ MS4 staff performed interior inlet cleaning on clogged stormwater inlets and drains - removed storm grate manually, shoveled out leaves, debris, dirt, and some terra cotta pipe pieces, etc. Replaced storm grates.

Before



After



- ❖ Began to identify, locate, photograph, and assess interior and exterior conditions of private and public stormwater BMPs to create borough-wide inventory for future inspections.

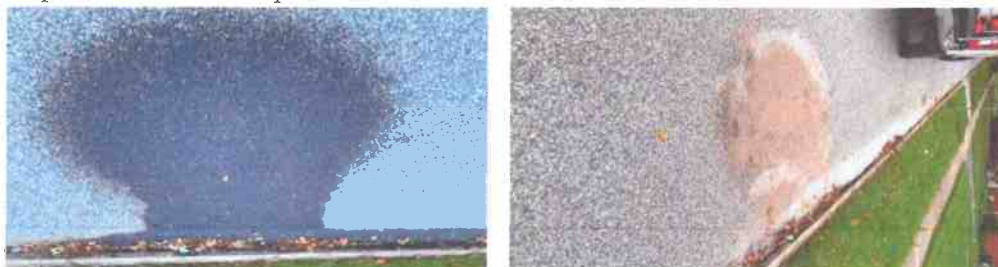


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- ❖ Met with resident on 900 block of Hummel Ave and informed him he must cease and desist all chemical dumping and notified him we have found chemicals in storm drains – pointed to chemical dumping trail in yard, on sidewalk, in street along curb and into storm drain. MS4 Coordinator stated this is considered Illicit Discharge and is illegal - it is a violation of EPA and DEP regulations as well as Lemoyne Stormwater Ordinance. Explained the damage these pollutants cause in storm drains and infrastructure and the potential to poison groundwater and surface water leading to river. Delineated potential fines and fees associated with remediation and reviewed next steps. Contacted West Shore Regional Police Department, West Shore Bureau of Fire, and PA Department of Environmental Protection. Sent Notice of Violation letter with case history evidence to property owners and tenant with a list of actions that must be completed by upcoming inspection date. Met with rental property management company to provide documentation, discuss violations, and define required actions.



- ❖ Investigate Illicit Discharge report on Walton St; visit site to inspect suspected discharge and document with photographs. Found large dry black chemical spill with the smell of fuel oil reaching across approximately 1/4 of road and same black chemical flow down curb towards (but not reaching) storm drain. No one home at time of visits. Reported Illicit Discharge to Maintenance Department. Maintenance Department gathered materials, traveled to site, and administered spill kit, including 1/2 bag of Absorbent, and later dispatched street sweeper to continue pollutant removal process.





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- ❖ Met with owner of 11-acre private property on Kiehl Dr to assess private stormwater facilities throughout property and stormwater drainage from 12th St to Unnamed Tributary on Walnut St.
 - Property includes a million-gallon stormwater retention pond with several swales, outfalls, storm sewers, storm drains, etc. throughout the property.
 - Each part of the infrastructure is in excellent condition and very well maintained.
 - Reviewed flow of stormwater through infrastructure components from 12th St to property to Unnamed Tributary behind Walnut St.



- ❖ Met with head of JEM Construction on 12th Street construction of Riverton Woods. Site excavated by JVH of Lemoine. Reviewed progress in constructing stormwater infrastructure, including:
 - Underground stormwater storage facilities
 - Bio-retention Pond mechanics
 - Storm drains, inlets, and outfalls
 - Discussed modification of stormwater flow from 12th St through private property to Unnamed Tributary
 - New storm drains will direct stormwater runoff from 12th St into bioretention pond, in addition to runoff from the developed property.





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- ❖ MS4 Coordinator completed training through National Stormwater Center (npdes.com) on 10/13-10/14 and is now a PA/NJ/WV Certified Municipal Stormwater Inspector.
- ❖ Participated in the first annual PA Sustainability Summit, hosted by the PA GreenGov Council.
 - The GreenGov Council is chaired by the heads of the DEP, DCNR, and DGS Secretaries and encourages the incorporation of environmentally sustainable practices into policy, planning, operations, procurement, and regulatory functions.
 - The Summit comprised of a full day conference and 4 additional 1.5-hour daily sessions of speakers on topics of climate change, green buildings, GESA & C-PACE, Electric Vehicles, Solar Energy, Infrastructure Investment & Jobs Act and Inflation Reduction Act, Diversity, Sustainability Practices, Creating Climate Resilient Communities, and Correctional Industries.
 - PA would like counties and municipalities to help in the attainment of the 17 Sustainable Development Goals.
- ❖ Participated in MS4 Workgroup Quarterly (headed by Rebecca Davis of Lower Allen Twp) meeting at Hampden Township Building
 - 13+ municipalities joined with members of state and local government, engineering firms, and non-profit organizations to discuss DEP Annual Permit submissions and upcoming changes; MS4 update on PAG-13 permit; and NPDES training from Cumberland County Conservation District.
 - This activity will give Lemoyne Borough credit for 2.5 hours and 20 collaborative contacts on our annual DEP report.
- ❖ Participated in Junior Achievement's STEM Day at Cedar Cliff High School
 - Helped students in 10th grade perform hands on biology experiments while relating chemical, environmental, and biological impacts on stormwater, and advising students about available jobs in the water quality industry.
 - This activity will give Lemoyne Borough credit for 8 hours and over 200 educational contacts on our annual DEP report. Also wonderful to see so many of our Lemoyne kids!

