



## MS4 DEPARTMENT MONTHLY REPORT

August 25, 2022 – September 30, 2022

### NOTEWORTHY ITEMS

- ❖ Researched costs, review prior year budgets, create, review, and update 2023 budget. Attended budget meetings with staff to finalize and present MS4 budget to Council.
- ❖ Gathered, produced, and compiled all necessary data and documentation and sent to Rettew, who finalized Lemoyne Borough's Annual MS4 Report to DEP. Received confirmation of receipt of report by DEP on 09/30/2022.
- ❖ As reported to the DEP on our Annual MS4 Report: from 07/01/21 – 06/30/22, Lemoyne had 1 incident of reported Illicit Discharge, reported by WSRPD. During this time period, we received credit for our **Community Clean Up Day** on 04/23/22 as a public outreach and education event; we logged **47 hours of MS4 training**; and we achieved **72.5 hours of MS4 collaborative and educational contacts** with **900+ adults and children** over **20 activities**.
- ❖ Met with Derek Martin, Manager of West Shore Plaza, during moderate rain storm. Reviewed MS4 processes currently in place for West Shore Plaza, LB Smith, and Karns properties, recent grey and green infrastructure upgrades, issues, potential solutions, and barriers to immediate solutions with storm drain overflows causing flooding and water damage at residential properties backing up to West Shore Plaza.



- ❖ Met with engineers and developers via zoom to review site plans to demolish 2 buildings currently at 655 N. 12th St and replace with one new Taco Bell building. Reviewed storm pipe and storm drain usage and stormwater waiver request due to 20% reduction in impervious area on site. Completed plans and waiver requests will now go to Planning Commission followed by a vote on Borough Council.



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- ❖ Removed all storm drain grates at 9<sup>th</sup> & Hummel manually on 09/16/2022, pulled out filtration baskets, removed leaves, sediment, & debris from basket, drain basin, and grates for 4 storm drains. Reassembled filtration baskets & liners, and replace storm grates over drain. Very thick, oily, tarry substance with foul, tar-like odor covering leaves, debris, and filter sock material in storm drain on west side of Hummel closest to road.



- ❖ Received notification of Illicit Discharge activity on 09/23/2022 - resident Scott Otstot at 905 Hummel Ave, Apt #1 regularly dumping seal coating byproduct on front lawn, backyard, and directly into storm drain at 9<sup>th</sup> & Hummel. Interviewed resident who called in complaint. Otstot appears to be dumping chemicals from seal coating business into storm drain at 9<sup>th</sup> & Hummel. Collaborated with multiple members of Borough staff to launch investigation, gather information, and create plan to gather evidence. Video cameras are placed on towers near home; we are gathering additional evidence and have taken action through our Codes Enforcement and notified WSRPD.



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- ❖ Removed storm drain grates at 9<sup>th</sup> & Hummel again on 09/30/2022 manually, pulled out filtration baskets, removed leaves, sediment, & debris from basket, drain basin, and grates for storm drains. Reassembled filtration baskets & liners, and replaced storm grates over drain. Very thick, oily, tarry substance with foul, tar-like odor in storm drain on west side of Hummel closest to road.



After leaf, debris, and drain removal.

- ❖ Inspected SW Outfall Pipe #008 located off bottleneck during moderate rainstorm on 09/07/2022. Water came through outfall pipe with small amount of bubbles. Larger foaming bubbles were on water caught in between two large rocks closest to outfall pipe. This is far less bubbles and foam compared to same stormwater outfall in August 2022. Will continue to monitor outflow and investigate.



- ❖ Spoke with Heather Cuyler of Pashek MTR to get in depth parks project updates; discuss future ideas for public outreach and educational MS4 events for Borough; attend CRPOS meeting.
- ❖ Street Sweeping continues as scheduled.
- ❖ A mix of moderate and heavy rains and continued leaf drop created many clogged storm drains. MS4 staff monitored flow of and cleared debris off drains as needed to prevent flooding.
- ❖ Monitored flow of storm water and visually inspect condition and performance of storm drains, inlets, outfalls, and absorption and infiltration into BMPs during moderate rain storms.



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- ❖ Investigated Illicit Discharge report of hose dumping liquid from residence directly into storm drain at 266 Lowther St. Went to residence and photographed hose discharging in drain. Hose originated in backyard. Attempted several times throughout morning to knock on door to speak to homeowner. Saw homeowner Crystal Comp outside later in morning. She stated she was draining pool water into storm drain. (Pool was visible at rear of home.) Notified Ms. Comp that this action is an Illicit Discharge, discussed the harmful effects of discharging chlorinated pool water into storm drains, educated her about chlorine's effects on local streams and rivers, and informed her that the Borough allows residents to drain pool water into their lawn, but dumping into storm drain is not legal. Ms. Comp immediately took hose out of drain and placed onto lawn. Hose was absent from front of property after checking later in day.



- ❖ Rain Gardens and pots were watered during periods of extremely high temperatures and dry conditions.



- ❖ Trash and debris were removed from Rain Gardens and pots throughout month by MS4 staff, particularly after rain events.



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- ❖ Land Studies completed Rain Garden maintenance once this month to hand weed all rain gardens, providing trash clean up, invasive plant control, removal of sediment from conduits, and mark several areas for future plug planting (approximately 250 sq ft).
- ❖ Received complaint to codes enforcement from resident regarding standing water due to clogged storm drain and mosquitos on Warren St in Susquehanna Court cul-de-sac. Removed storm drain grate; pulled out clogged filtration basket with large amounts of construction sediment: cleaned leaves, debris, and sediment out of basin: replaced grates over storm drain; problem resolved.



- ❖ Continued ongoing training for Certified Urban Stormwater Professional (CUSP).
- ❖ Participated in StormCon 2022, the stormwater industry's largest conference for disseminating techniques and technologies that fulfill the EPA's NPDES permit program. Located in National Harbor, MD this year, the 2 day conference showcased innovations in stormwater practices and provided extensive training and networking reception events with delegates, product vendors, government officials, engineers, scientists, and non-profit organization heads from all across the USA and parts of Europe.

