



MS4 DEPARTMENT MONTHLY REPORT

August 8, 2022 – August 24, 2022

NOTEWORTHY ITEMS

- ❖ Stormwater Inlet Drain numbering continues throughout the Borough to more quickly and accurately identify location of drains and provide more efficient tracking in iWorQ system.
- ❖ Street Sweeping continues as scheduled.
- ❖ A mix of moderate and heavy rains and the beginning of leaf drop created many clogged storm drains. MS4 staff monitored flow of and cleared debris off drains as needed to prevent flooding.
- ❖ 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.
- ❖ Land Studies completed Rain Garden maintenance once this month. MS4 Coordinator met with Land Studies to review maintenance plans for Rain Gardens and pots, assess current needs for plantings, and plan for fall weather.
- ❖ Routine drain inspections showed a sink hole at Storm Water Inlet #799 on N. 12th Street. This sink hole was filled and repaired by maintenance staff.



- ❖ Maintenance staff cleared sticks, debris, and fallen limbs out of clogged SW tributary and off railroad bank located at rear of Oak Street after a storm event.



MS4 DEPARTMENT MONTHLY REPORT

- ❖ Routine drain inspections on showed a heavy water flow running along the curb down Hummel, ponding on street and into storm drain at 9th & Hummel. Followed water to source point at 948 Hummel Ave. Water gushed through water concrete and bubbled up through cracks in sidewalk. Neighbors confirmed water had been leaking for days in rainfall and dry conditions. Heavy sedimentation had settled on street in front of leak source. Met with Brad at PA American Water, who assessed problem, tested pipe, and confirmed leaking pipe was PA American Water pipe containing unpolluted water, and homeowner needed to call in to company to do repair. Brad immediately reduced water flow to home and left notice for homeowner. Informed Maintenance Supervisor and Codes Enforcement Officer. Received confirmation later that day that PA American had scheduled emergency repair.



- ❖ Followed up days later to see that leak was suspended, sidewalk and street mostly dry, and utility lines marked for repair. Minor sinkhole on Hummel visible.



MS4 DEPARTMENT MONTHLY REPORT

- ❖ SW Outfall Pipe #008 off Bottleneck had bubbly and foamy stormwater runoff during moderate rain event on 8/16/22. White foam was stationary on rocks adjacent to outfall. Inspection during dry conditions on 8/18/22 showed visible drops of residue (not previously seen) on rocks located under waterline, but no visible residue on rocks above waterline. MS4 Coordinator will continue to monitor outfall pipe and further investigate.

Runoff during moderate rainfall with bubbles in water and foam on rocks



Visible residue on rocks during dry conditions



- ❖ Newly hired MS4 Coordinator began 8/8/22.
- ❖ Certified Urban Stormwater Professional (CUSP) live training began in July and will continue through September. Upon completion of training, extensive coursework, and practical skills (must be done by December 2022), certification for MS4 Coordinator will be provided by the Chesapeake Stormwater Network in Ellicott City, MD.

MS4 Work Order Detail Report

08/08/2022 - 08/24/2022

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/23/2022	Closed	K. Griva	MS4	Administration	Work on 2023 MS4 Budget		8/23/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/23/2022	Closed	K. Griva	MS4	Education	Wrote MS4 article for upcoming Borough newsletter		8/23/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/18/2022	Closed	K. Griva	MS4	Inspections	Inspected site and saw that water was no longer leaking through concrete onto street. Utility lines marked. Identified potential sink hole on Hummel in front of affected curb.	948 Hummel Ave	8/18/2022

Employee

Employee
Kasha Griva



Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/16/2022	Closed	K. Griva	MS4	SW Inlet cleaning	Clear sticks, debris, and fallen limbs out of SW tributary and off of railroad bank.	Rear of Oak Street	8/16/2022

Employee

Employee
Tim Davis
Brad Mills
Carson Buffington
Bryce Ertter

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/23/2022	Closed	K.Griva	MS4	Inspections	Inspected outfall pipe 008 during dry conditions. Rocks under waterline and in splash area showed visible drops of residue not previously seen in dry conditions. Rocks located above waterline had no visible residue. Will continue to	SW Outfall Pipe 008, off Bottleneck	8/23/2022

					monitor outfall pipe to determine if further action required.		
--	--	--	--	--	--	--	--

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/23/2022	Closed	K. Griva	MS4	Mowing	Weed whack stream bank	Woodside Park	8/23/2022

Employee

Employee
Chuck Fox

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/24/2022	Closed	K. Griva	MS4	Education	EPA Training: Integrated Approaches in Nonpoint Source Nutrient Management		8/24/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/24/2022	Closed	K. Griva	MS4	Education	PSU Ext State Water Plan		8/24/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/24/2022	Closed	K. Griva	MS4	Education	CUSP Training: Lesson M-2 Quiz		8/24/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/24/2022	Closed	K. Griva	MS4	Education	CUSP Training: DEIJ Runoff Rendezvous		8/24/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/24/2022	Closed	K. Griva	MS4	Education	CUSP Training: Engaging the Public		8/24/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/24/2022	Closed	K. Griva	MS4	Education	CUSP Training: Community-Led Project Planning		8/24/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/24/2022	Closed	K. Griva	MS4	Education	CUSP Training: Green Infrastructure - Harrisburg Case Study		8/24/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/24/2022	Closed	K. Griva	MS4	Education	CUSP Training: Incorporating Equity into Green Infrastructure Planning		8/24/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/23/2022	Closed	K.Griva	MS4	General Maintenance/Repair	Inlet Topper Cleaning	Borough-Wide	8/23/2022

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/22/2022	Closed	K. Griva	MS4	SW Inlet cleaning	Post Storm Clean Up: visually inspect and clean storm drains throughout Borough	Borough-wide	8/22/2022

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/22/2022	Closed	K. Griva	MS4	SW Inlet cleaning	Post Storm Clean Up: visually inspect and clean storm drains throughout Borough	Borough-wide	8/22/2022

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/19/2022	Closed	K. Griva	MS4	Education	CUSP Training: Lesson W-2 Quiz		8/19/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/19/2022	Closed	K. Griva	MS4	Education	CUSP Training: Updating Runoff Reduction Methods DOEE		8/19/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/19/2022	Closed	K. Griva	MS4	Education	CUSP Training: Runoff Reduction Methods DOEE		8/19/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/19/2022	Closed	K. Griva	MS4	Education	CUSP Training Office Hours: Resilient Stormwater Design Principles		8/19/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/19/2022	Closed	K.Griva	MS4	Inlet Repair	Inlet 799 has a sink hole. Repaired.	N12th Street	8/19/2022

Employee

Employee
Carson Buffington
Bryce Ertter

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/19/2022	Closed	K.Griva	MS4	Beautification	Watering	Rain Gardens/pots	8/19/2022

Employee

Employee
Chuck Fox

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/18/2022	Closed	K. Griva	MS4	Education	CUSP Training: Unified Approach to Urban Watershed Hydrology part 2		8/18/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/18/2022	Closed	K. Griva	MS4	SW Inlet cleaning	Post-storm clean up: Inspect storm drains, outfalls, basins, and BMPs. Clean and number storm drains (for identification purposes) with stencils and paint	Borough-wide	8/18/2022

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/18/2022	Closed	K. Griva	MS4	Administration	MS4 Budget Review & training		8/18/2022

Employee

Employee
Cliff Karlsen
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/16/2022	Closed	K. Griva	MS4	Inspections	<p>Noticed heavy water flow along almost entire curb down 900 block of Hummel Ave, ponding around and heavy water flow into storm drain at 9th & Hummel, and a silt sock adjacent to storm drain. Followed flooding to source point at 948 Hummel Ave. Water was gushing through water lines in concrete and bubbling through sidewalk. Heavy sedimentation had settled on street in front of leak source. Spoke with homeowners at 946 and 950 Hummel to help determine cause of incident. Both homeowners stated leak source came PA American Water, who had</p>	948 Hummel Ave, Lemoyne	8/16/2022

					attempted 2 times to contact homeowner. Spoke with Brad from PA American Water, who then assessed issue, confirmed leaking pipe was water and responsibility of homeowner, and reduced flow to home at 948 Hummel. Informed Maintenance Supervisor and Codes Enforcement Officer. Received confirmation that PA American Water scheduled an emergency repair at this property later in the day.		
--	--	--	--	--	---	--	--

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/16/2022	Closed	K. Griva	MS4	Project Review	Site visit and meeting with Mid-State Paving to assess progress of installation of	Warren & Walnut Sts	8/16/2022

					stormwater inlets, basins, and piping project at Warren & Walnut Sts in Lemoyne. Project is taking longer than anticipated due to the amount of time it is taking to dig through layers of rock.		
--	--	--	--	--	--	--	--

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/16/2022	Closed	K. Griva	MS4	Project Review	Comprehensive Parks and Open Space Plan Meeting - Met with Borough Council, Consultant, and Committee Members, to review potential park plans and provide information about existing MS4 grey and green infrastructure and potential green infrastructure upgrades in Negley Park		8/16/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/16/2022	Closed	K. Griva	MS4	Administration	Lemoyne Borough Staff Meeting - Provided MS4 update	510 Herman Ave	8/16/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/17/2022	Closed	K. Griva	MS4	Education	CUSP Training: Lesson W-1 Quiz		8/17/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/17/2022	Closed	K. Griva	MS4	Education	CUSP Training: Why Watersheds Matter		8/17/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/17/2022	Closed	K. Griva	MS4	Education	CUSP Training: Importance of Imperviousness		8/17/2022

Employee

Employee

Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/17/2022	Closed	K. Griva	MS4	Education	CUSP Training: Complying with Your MS4 Stormwater Permit and the Bay TMDL		8/17/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/17/2022	Closed	K. Griva	MS4	Education	CUSP Training: Unified Approach to Urban Watershed Hydrology part 1		8/17/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/16/2022	Closed	K. Griva	MS4	SW Inlet cleaning	Post storm clean up: Visually inspect and clean storm drains after rain storm.	Borough-wide	8/16/2022

Employee

Employee
Chuck Fox

Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/15/2022	Closed	K. Griva	MS4	Inspections	Inspected outfall pipe 008 located off bottleneck during moderate rainstorm. Water came through outfall pipe with bubbles and foam. Foam was stationary on rocks adjacent to water flow. Will continue to monitor outflow and investigate if foamy conditions persist.	SW Outfall Pipe 008, off Bottleneck	8/15/2022

Employee

Employee

Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/15/2022	Closed	K. Griva	MS4	Education	CUSP Training: Managing for Local Climate Resilience		8/15/2022

Employee

Employee

Kasha Griva



Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/15/2022	Closed	K. Griva	MS4	Project Review	Met with Land Studies to review maintenance plans for Rain Gardens, assess current needs for plantings, and plan for fall weather.	Market Street Rain Gardens	8/15/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/15/2022	Closed	K. Griva	MS4	Inspections	Monitor flow of storm water and visually inspect condition and performance of storm drains, inlets, outfalls, and absorption and infiltration into BMPs during moderate rain storm.	Borough-wide	8/15/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/12/2022	Closed	K. Griva	MS4	Education	CUSP Training: Advanced Stormwater Design - Infiltration		8/12/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/12/2022	Closed	K. Griva	MS4	Education	CUSP Training: Practices to Protect and Restore Urban Watersheds Part 2		8/12/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/12/2022	Closed	K. Griva	MS4	Education	CUSP Training: Potential to Enhance Nutrient Removal in Bioretention and Sand Filters		8/12/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/12/2022	Closed	K. Griva	MS4	Project Review	Meeting with Heather Cuyler of Pashek MTR to review MS4 issues in Borough and potential Green Infrastructure solutions to design into Comprehensive Parks and Open Space Plan		8/12/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/10/2022	Closed	K. Griva	MS4	Education	CUSP Training: BMP Design Specifications		8/10/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/10/2022	Closed	K. Griva	MS4	Education	CUSP Training: Performance Enhancing Devices for Stormwater BMPs		8/10/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/10/2022	Closed	K. Griva	MS4	Education	CUSP Training: Full Cycle Bioretention		8/10/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/10/2022	Closed	K. Griva	MS4	Education	CUSP Training: Practices to Protect and Restore Urban Watershed pt 1		8/10/2022

Employee

Employee
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/11/2022	Closed	K. Griva	MS4	Raingarden Cleanup	Remove trash and debris from rain gardens	Market St, Lemoyne	8/11/2022

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/10/2022	Closed	K. Griva	MS4	Administration	SW inlet numbering	Hill area	8/10/2022

Employee

Employee
Chuck Fox

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/11/2022	Closed	K. Griva	MS4	Beautification	Watering	Rain Gardens/pots	8/11/2022

Employee

Employee
Chuck Fox
Kasha Griva

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/11/2022	Closed	K. Griva	MS4	Street Sweeping	Thursday's Route Route	Walnut Street North	8/11/2022

Employee

Employee
Tim Davis

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/10/2022	Closed	K. Griva	MS4	Street Sweeping	Wednesday's Route	Market Street North	8/10/2022

Employee

Employee
Tim Davis

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/9/2022	Closed	K. Griva	MS4	Street Sweeping	Tuesday's Route	Between tracks odd side	8/9/2022

Employee

Employee
Tim Davis

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/8/2022	Closed	K. Griva	MS4	Street Sweeping	Monday's Route	Between tracks even side	8/8/2022

Employee

Employee
Tim Davis

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/9/2022	Closed	K. Griva	MS4	Administration	Reviewed storm water installation at new construction site.	400 N. 12th Street, Lemoyne PA	8/9/2022

Employee

Employee
Cliff Karlsen
Kasha Griva

Notes

Date
8/9/2022

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/9/2022	Closed	K. Griva	MS4	Administration	Review Stormwater Project on Warren Street - site visit	Warren St, Lemoyne PA	8/9/2022

Employee

Employee
Cliff Karlsen
Kasha Griva

Notes

Date
8/9/2022

Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/9/2022	Closed	K. Griva	MS4	Other	Watered Rain Gardens and pots	Market Street	8/9/2022

Employee

Employee
Chuck Fox
Kasha Griva



Work Date	Main Status	Requestor Name	Assigned Department	Work Type	Comments	Work Address/Location	Date Closed
8/8/2022	Closed	K. Griva	MS4	SW Inlet cleaning	Drain cleaning after a rain storm	Borough wide	8/8/2022

Employee

Employee
Chuck Fox
Kasha Griva

Total Records: 59

8/25/2022