

City of Allentown

Stormwater Management Program



2022-2023
Annual MS4 Progress Report

MS4 PERMIT NO.
PA0063665

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1.0 Introduction

1.1 System Information

Permittee:	City of Allentown/ MS4 NPDES Permit No. PA0063665
Mailing Address:	435 Hamilton Street
City, State, Zip Code:	Allentown, PA 18101
Municipality:	City of Allentown
County:	Lehigh County
MS4 Contact Person:	Angela F. DiBuo
Title:	MS4 Administrator
Phone:	610-437-7587
Email:	Angela.DiBuo@allentownpa.gov
Receiving Waters:	Cedar Creek, Little Cedar Creek, Jordan Creek, Little Lehigh Creek, Lehigh River, Unnamed Tributary to Lehigh River, Trout Creek, and an Unnamed Tributary to Trout Creek

1.2 Regulatory Information

1.2.1 MS4 NPDES Permit

The City of Allentown's (the City's) stormwater drainage system is regulated as a Phase I, Medium, Municipal Separate Storm Sewer System (MS4) through the National Pollutant Discharge Elimination System (NPDES) regulations issued by the Environmental Protection Agency in 1990. The City's current NPDES MS4 Individual Permit NO: PA0063665 was issued by the Pennsylvania Department of Environmental Protection (PaDEP) on 04/26/2004. The term of coverage is 04/26/2004 - 04/25/2009. The conditions have been administratively extended by PaDEP pending the issuance of the renewal of coverage.

1.2.2 Stormwater Management Program Plan

The City's Stormwater Management Program Plan (SWMPP) describes the City's plan to meet MS4 permit conditions, roles and responsibilities, and current best management practices (BMPs) which are evaluated against corresponding measures of effectiveness to assess and evolve the Stormwater Management Program. The SWMPP (dated May 2020) was updated and submitted to PaDEP on 06/05/2020 in accordance with 40 CFR 122.26 and Part A 8. c. (ii) of the permit.

1.2.3 Annual MS4 Progress Report

The City's 2022 - 2023 Annual MS4 Progress Report covers the reporting period of 04/26/2022 – 04/25/2023 and is due on 07/24/2023, which is 90 days after the end of each permit year. The report is organized following the structure of the Stormwater Management Program Plan. Each subsection of Section 2 is aligned to the appropriate section of the SWMPP for easy reference. BMPs are listed in each subsection based on the requirements set forth in the SWMPP for reporting annual data on progress. If a BMP is not listed in this document, it does not have an annual reporting requirement. All supporting documentation and/or additional information about our Stormwater Management Program is available upon request.

2.0 Reporting Requirements

Stormwater Management Program Elements

2.1 Source Identification

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
1.2	The City will continue to update its GIS layer of industries discharging to the MS4 to reflect changes identified in each annual reporting period. Industrial and commercial businesses operating within the City are categorized by SIC code. This information is accessible in the City's EDEN system for business information. The Fire Department has inventories of SARA Title III and HAZMAT locations.	Inventory of industrial sites submitted. Additions or deletions to the inventory submitted in subsequent Annual Reports.	See Table BMP ID 1.2 of new and closed businesses having industrial SICs below.

Table BMP ID 1.2 Additions and Deletions to Industrial Inventory					
New Business Licenses					
#	Business	Address	SIC	SIC Description	Receiving Water
1	MC&G Trucking	1101 Hamilton St. Allentown, PA 18101	4212	Local Trucking w/o Storage	Jordan Creek
2	Taistylz	218 S 15th St. Allentown, PA 18102	2389	Apparel and Accessories	Little Lehigh Creek
3	Transdev Services	1501 S. 12th St. Allentown, PA 18103	4119	Local Passenger Transportation	Trout Creek
4	Complete Routes	1416 E. Tremont St. Allentown, PA 18109	4212	Local Trucking w/o Storage	Lehigh River
5	LV Express Trucking	141 N. Filbert St. Allentown, PA 18109	4213	Trucking, except Local	Lehigh River
6	Max Comfort HVAC	1706 E. Greenleaf St. Allentown, PA 18109	3585	Air-Conditioning and Warm Air	Bethlehem
7	LNT Trucking LLC	1229 Whitehall St. Allentown, PA 18102	4213	Trucking, except Local	Jordan Creek
8	Embroidery Room	1901 S. 12th St. Allentown, PA 18103	2395	Pleating, Decorative and Novel	Trout Creek
9	JC Sealcoating and Paving Inc	130 S. Bradford St. Allentown, PA 18109	2951	Asphalt Paving Mixtures	Lehigh River
10	Lehigh Valley Logistics	1801 S. 12th St. Allentown, PA 18103	4225	General Warehousing and Storage	Trout Creek
11	O & G Services	526 N. Saint Cloud St. Allentown, PA 18104	4215	Courier Services except by Air	Jordan Creek

#	Business	Address	SIC	SIC Description	Receiving Water
12	One Team One Dream Transportation LLC	2127 S. Lumber St. Allentown, PA 18103	4212	Local Trucking w/o Storage	Trout Creek
13	NJB Landscaping	841 Constitution Dr. Allentown, PA 18103	3524	Lawn and Garden Tractors	Little Lehigh Creek
14	MKJ Delivery Inc.	1436 Liberty St. Allentown, PA 18102	4215	Courier Services except by Air	Jordan Creek
15	Negron Logistics	2895 Hamilton Blvd. Allentown, PA 18104	4212	Local Trucking w/o Storage	Cedar Creek
16	Sweets And Greens	1825 Chew St. Allentown, PA 18104	2024	Ice Cream and Frozen Desserts	Jordan Creek
17	Cravings By Dorcaris LLC	829 N. 19th St. Allentown, PA 18104	2051	Bread and Other Bakery Product	Jordan Creek
18	Smart Granite and Cabinets	1130 N. Irving St. Allentown, PA 18109	3281	Cut Stone and Stone Products	Lehigh River Tributary
19	Tajera Trucking LLC	613 River Dr. Allentown, PA 18109	4214	Local Trucking with Storage	Lehigh River
20	JR & H Trucking LLC	11 E. Montgomery St. Allentown, PA 18103	4213	Trucking, Except Local	Trout Creek
21	Royal Transport Systems LLC	821 1/2 N. 6th St. Allentown Pa 18102	4215	Courier Services except by Air	Jordan Creek
22	Nano LLC	107 N. 7th St. Allentown, PA 18101	2389	Apparel and Accessories	Jordan Creek
23	Sori Transportation LLC	1020 N. 23rd St. Allentown, PA 18104	4213	Trucking, Except Local	Jordan Creek
24	Amapola Transportation LLC	2147 Allen St. Allentown, PA 18104	4215	Courier Services except by Air	Jordan Creek
25	J-316 LLC	248 1/2 Fairview St. Allentown, PA 18109	4213	Trucking, except Local	Lehigh River
26	Multiply Logistics	301 Cedar St. Allentown, PA 18102	4213	Trucking, except Local	Jordan Creek
27	Ascendance Trucks	2131 Hanover Ave. Allentown, PA 18109	3537	Industrial Trucks, Tractors	Lehigh River
28	His and Hers Cigars	847 S. 12th St. Allentown, PA 18103	2121	Cigars	Little Lehigh Creek
29	Lineage Logistics	2645 Mitchell Ave. Allentown, PA 18103	4222	Refrigerated Warehousing	Trout Creek Trib West
30	PA Caribe Express	322 N. Fulton St. Allentown, PA 18102	4212	Local Trucking w/o Storage	Jordan Creek
31	Godshall's Transport LLC	1470 Mack Blvd. Allentown, PA 18103	4212	Local Trucking w/o Storage	Trout Creek
32	MRN Multi Service	507 N. 7th St. Allentown, PA 18102	2759	Commercial Printing	Jordan Creek

#	Business	Address	SIC	SIC Description	Receiving Water
33	Gazelleco LLC	145 Hamilton St. Allentown, PA 18101	4213	Trucking, except Local	Little Lehigh Creek
34	Eagles Wings Self Storage	314 N. 12th St. Allentown, PA 18102	4225	General Warehousing and Storage	Jordan Creek
35	K. Heeps LLC	721 N. 17th St. Allentown, PA 18102	2099	Food Preparations	Jordan Creek
36	AAK Transportation	1804 Livingston St. Allentown, PA 18104	4213	Trucking, except Local	Jordan Creek
37	Flight Risk Game	4007 Primrose Dr. Allentown, PA 18104	3944	Games, Toys	Little Cedar Creek
38	MJL Freight LLC	37 Cleveland St. Allentown, PA 18103	4214	Local Trucking with Storage	Little Lehigh Creek
39	Chocodiem LLC	2600 Parkway Blvd. Allentown, PA 18104	2066	Chocolate and Cocoa Products	Cedar Creek

Closed Business Licenses					
#	Business	Address	Sic	Sic Description	Receiving Water
1	Verde Valley Urban Microgreen	1348 N. Troxell St. Allentown, PA 18109	2099	Food Preparations	Lehigh River
2	USA Fashion LLC	639 E. Allen St. Allentown, PA 18109	2341	Women's, Misses', Children's	Lehigh River
3	Blake Trucking LLC	1422 Pennsylvania St. Allentown, PA 18109	4213	Trucking, except Local	Lehigh River Tributary
4	Salama Weam	201 E. Union St. Allentown, PA 18109	3496	Miscellaneous Fabricated Wire	Lehigh River
5	Antones at the Market Place	1801 S. 12th St. Allentown, PA 18103	2381	Dress and Work Gloves	Trout Creek
6	Forlessphones LLC	1619 Washington St. Allentown, PA 18102	4225	General Warehousing and Storage	Jordan Creek
7	Lineage Logistics Services LLC	2645 Mitchell Ave. Allentown, PA 18103	4222	Refrigerated Warehousing	Trout Creek Tributary East
8	J & J Elite Removal	772 N Jordan St Allentown, PA 18102	4953	Refuse Systems	Jordan Creek
9	K Heeps Inc.	721 N. 17th St. Allentown, PA 18102	2099	Food Preparations	Jordan Creek

2.2 Monitoring and Discharge Characterization

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
2.2	The City will update and continue to implement a Dry Weather Screening Program as a component of the Monitoring and Discharge Characterization Plan and in coordination with the IDDE program. Annual dry screening of outfalls determined to be high risk for illicit discharge is based on the Monitoring and Discharge Characterization Plan.	Number of outfalls inspected.	292
		Number of illicit discharges identified.	0
2.3	The City will update and continue to implement a Wet Weather Screening Program as a component of the Monitoring and Discharge Characterization Plan. The City wet weather program is designed to support its Stormwater Discharge Characterization and industrial high-risk runoff programs as follows: a. The City actively monitors outfalls that have been identified as having a high potential to significantly contribute pollutants to the MS4 system. b. All sample collection is performed according to requirements of 40 CFR 122.21 (g)7 and as documented in Monitoring and Discharge Characterization Plan.	City will continue to provide a summary of the following for the reporting period: number of samples collected, and location of sampling sites by GIS reference. Sample results and parameters specific to sampling will be reported and maintained in accordance with BMP 2.1 and BMP 12.1.	See Table BMP ID 2.3 Monitoring Summary table below.

Table BMP ID 2.3 Monitoring Summary				
Monitoring Type	# of Samples	Sampling Station ID	Sampling Location	Receiving Water
Outfall screening	1	LCC9268L5.4	LCC9268L5.4	Little Cedar Creek
	1	LCC8579R6.43	LCC8579R6.43	Little Cedar Creek
	1	LCC7285R25.85	LCC7285R25.85	Little Cedar Creek

2.3 Stormwater Management Program

BMP ID	Best Management Practice	Measure of Effectiveness	Reporting Requirement	2022-2023 Data Submission
3.1	The City will continue to maintain a Stormwater Management Program as defined in this Stormwater Management Program Plan (SWMPP).	Annually review progress of implementation of BMPs established in this SWMPP.	Available for review on site. Annually determine if BMPs should be changed and request in Annual Progress Report, as required.	Documentation of the annual assessment of BMPs is available upon request.
			Per Permit Part A 8.c. report: (i) the status of implementing components of the city's stormwater management program that are required in Part A (5) of this permit.	All BMPs established in the SMWPP have been implemented.
			(ii) proposed changes to the City's stormwater management. (iii) revisions, if necessary, to the controls required in Part A (6) and the fiscal analysis required in Part A (7) of this permit.	No changes to the SWMPP are requested in this Annual Progress Report.

2.5 Construction Site Runoff

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
5.2	The City will continue to enforce erosion & sediment control in compliance with Article 1385 of the City Code and in coordination with LCCD as documented in the MOU developed and maintained within BMP 5.1. Erosion and sediment control plans will be reviewed by LCCD as specified in the MOU to ensure that adequate controls required by ordinance are designed for the site. During construction, City inspectors will conduct routine inspections to ensure that erosion and sediment control practices are functioning as designed. In cases of noncompliance with the approved plans, the City will follow the Enforcement and Penalty sections of Article 1385 of the City Code.	Number of active construction sites	36
		Number of enforcement actions taken.	3* * <u>Type</u> Notice of Violation

2.8 Illicit Discharge Detection and Elimination (IDDE)

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
8.4	The City will continue to respond to complaints and to conduct a dry weather screening program to locate and eliminate illicit discharges. The City will also use its CCTV inspection Lateral Assessment Certification Program (LACP) to identify illegal connections to the storm sewer. The process for locating and eliminating an illicit discharge will be documented in the Monitoring and Discharge Characterization Plan (See BMP 2.1).	Number of complaints.	27*
			* <u>Type</u> Construction 2
			Commercial/ Industrial 9
			Residential 16
		Number of enforcement actions.	6*
			* <u>Type</u> Notice of Violation
		Number of cases referred to PaDEP.	0

2.9 Spill Prevention and Response

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
9.1	The City will maintain and implement a SPR SOP that addresses both the response to spills that may impact the MS4 and spill prevention and response on City owned and operated properties. This SOP will describe the responsibilities of both the Fire Department and the Stormwater Department. The SOP will include a spills and illicit discharge communication matrix. Discharges from private entities are regulated under Article 942 of the City Code - Storm Sewer Ordinance (see BMP 8.1).	Number of spills.	32
		Number of notifications made to PaDEP.	6

2.10 Stormwater Infrastructure Management

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
10.5	The City will continue to inspect City-owned BMPs on an annual basis. When maintenance of a City owned BMP is required, the maintenance staff will be notified, and a work order entered into Lucity for completion.	Number of inspections.	34
10.6	The City will continue to implement its program to ensure adequate operation and maintenance of post construction BMPs in coordination with LCCD as documented in the MOU developed and maintained as described in BMP 5.1.	Number of PCSM BMPs approved.	30
		Number of PCSM BMPs constructed.	05
10.7	The City will inspect privately maintained BMPs at least once every five years. Inspections will be documented for each facility. When maintenance of a privately maintained BMP is required, the City will send a corrective action letter, and follow up to ensure that the required maintenance is completed. Failure to maintain BMPs, will result in enforcement action. For facilities with operation and maintenance agreements, the agreement will continue to be the basis for enforcement action. For facilities constructed prior to the requirement for operation and maintenance agreements, Article 1387 of the City Code (Stormwater Management Ordinance) will continue to be used as a basis for enforcement action.	With each annual report, the City will provide a summary to include number of inspections,	86
		Number of corrective action letters sent,	22
		Number of enforcement actions.	0

2.11 Fiscal Analysis

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
11.2	The City will budget and authorize expenditures necessary to ensure compliance with the BMPs set forth in this Stormwater Management Program Plan, over the term of this permit.	With each Annual Progress Report, the City will provide a statement of fiscal sufficiency to meet the terms of this permit, and	See BMP ID 11.2 Statement of Fiscal Sufficiency below.
		provide a budget for SWMP activities during the reporting period.	See Appendix for Stormwater Program Budget Detail.

BMP ID 11.2 Statement of Fiscal Sufficiency

The City has adequate funding to implement the requirements of the MS4 permit. In January 2018, the City implemented a Stormwater Utility fee to fund all elements of stormwater management including compliance with the MS4 permit. Each budget year, a review is completed of the current accomplishments and funding status of major initiatives within the compliance program, such as the establishment of appropriate best management practices for operation of the MS4 system, oversight of the industries within the City, outfall inspections, and other key permit components. The Utility generates approximately \$5.7 million annually.

2.12 Annual Progress Report

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
12.2	The Annual MS4 Progress Report will be prepared following Part A 8. of the permit.	The City shall follow Permit Part A 8. for annual submittal of the Progress Report.	See Table BMP ID 12.2 below which includes the reporting requirements of Permit Part A 8.c. which are not already included under respective program elements of this report.

Identification of water quality improvements or degradation within the City's incorporated boundary.

Table BMP ID 12.2 Annual Progress Report Part A 8.c.(vii)		
Water Quality Treatment		
Activity	Removals	Receiving Water
Between 08/29/2022 – 02/20/2023, the City and its Stormwater engineering firm completed a loading analysis study of the Little Cedar Creek. Voluntary BMP installation of underground infiltration basin at 640 Dixon Street.	A draft TMDL report with BMP evaluation has been received with finalization planned by end of year.	Little Cedar Creek
	TSS = 631 lb./yr.	Trout Creek
	TN = 7.83 lb./yr.	
	TP = 0.78 lb./yr.	
Infrastructure Management		
MS4 Maintenance		
Activity	Removals	Receiving Water
Inlet cleaning program	36,119 Cu. Ft./ 1,347 Inlets	6 Watersheds
Safety grate cleaning	4,519 Cu. Ft./ 15 Grates	6 Watersheds
Total Removed (grit, silt, leaves, trash)	40,638 Cu. Ft.	6 Watersheds
Sweeping Program		
Activity	Removals	Receiving Water
Broom sweeper fleet (grit, silt)	318,789 Cu. Ft.	6 Watersheds
Regenerative air sweeper fleet (grit, silt)	11,340 Cu. Ft.	Cedar Creek
	9,477 Cu. Ft.	Jordan Creek
	5,670 Cu. Ft.	Lehigh River
	7,722 Cu. Ft.	Little Cedar Creek (TMDL)
	7,857 Cu. Ft.	Little Lehigh Creek
	9,828 Cu. Ft.	Trout Creek
	17,010 Cu. Ft.	All (Municipal Properties)

Activity	Removals	Receiving Water
Total Removed (grit, silt)	387,693 Cu. Ft.	6 Watersheds
Watershed Protection		
Activity	Removals	Receiving Water
The Bureau of Recycling and Solid Waste organized a total of 117 litter clean ups with 508 volunteers and collected 1,410 bags of trash and debris throughout the City.	222 Cu. Ft.	Cedar Creek
	1,920 Cu. Ft.	Jordan Creek
	2,497 Cu. Ft.	Lehigh River
	1,245 Cu. Ft.	Little Lehigh Creek
	162 Cu. Ft.	Trout Creek
The Department of Parks and Recreation organized a total of 4 litter clean ups with 78 volunteers and collected 54 bags of trash and debris throughout the City's parks.	74 Cu. Ft.	Cedar Creek
	221 Cu. Ft.	Jordan Creek
	103 Cu. Ft.	Lehigh River
Total Removed (trash & debris)	6,444 Cu. Ft.	5 Watersheds

2.14 Public Education and Participation

BMP ID	Best Management Practice	Reporting Requirement	2022-2023 Data Submission
14.1	The City will continue to provide public education and outreach during the term of this permit. Key focus areas may include: <ul style="list-style-type: none"> youth outreach commercial and industrial outreach strategies strategies to address specific sources of pollutants identified by the City. 	Summary of outreach activities: number of events, target audience for each, number of materials distributed.	See Table BMP ID 14.1 below.

Table BMP ID 14.1 Summary of Outreach Activities			
Date(s)	Activity or Event	Target Audience	# of Materials Distributed
05/04/2022	Allentown Central Catholic High School. Taught class on stormwater and pollution prevention.	High School Students. (15)	N/A
05/09/2022	Inside Allentown – Teen Session. Met with community to present the functions of Public Works to include the Stormwater Bureau.	Grade School Students. High School Students. (12)	N/A
05/10/2022	Inside Allentown – Adult Session. Met with community to present the functions of Public Works to include the Stormwater Bureau.	General Public. (15)	N/A

Date(s)	Activity or Event	Target Audience	# of Materials Distributed
05/21/2022	Sheridan Elementary School Career Day. Presented the functions of Public Works to include the Stormwater Bureau.	Grade School Students. (75)	N/A
06/07/2022	William Allen High School Community Night. Attended community meeting to discuss stormwater services.	General Public. (100)	30
06/13/2022	Installed signage (3) at Albright Ave. rain garden & 6 th & Sumner infiltration basin.	General Public.	N/A
07/02/2022	Facebook Post – Trash is no picnic. Highlighted trash & pollution carried from backyards to the streams via the MS4.	General Public.	N/A
07/08/2022	Facebook Post – Is your car crying? Highlighted importance of car maintenance.	General Public.	N/A
07/08/2022	Facebook Post – Poolside Chat. Discussed proper way to drain/close pool.	General Public. Pool Owners.	N/A
08/02/2022	Facebook Post. Highlighted City's water quality sampling program, Little Cedar Creek TMDL, sediment & green infrastructure.	General Public.	N/A
09/22/2022-12/02/2022	Lehigh University Engineers without Borders. Conducted field inspections (IDDE and construction) & demonstrations (equipment, GIS).	College Students. (5)	N/A
09/30/2022	Roosevelt Community Night. Attended community meeting to discuss stormwater services.	General Public. (200)	100
11/18/2022	Fire House Friday. Taught children about water cycle, stormwater, and pollution prevention using the watershed model.	Grade School Students. (30)	33
01/13/2023	Fire House Friday. Taught children about macroinvertebrates using the model stream table.	Grade School Students. (15)	20
01/24/2023 - 04/25/2023	Muhlenberg College Environmental Studies I. Spring Semester Project. Taught 1 classroom lecture and conducted 2 field classes to include macroinvertebrate & water quality monitoring, IDDE.	College Students. (12)	9
01/24/2023	Facebook Post. Highlighted impervious area reduction.	General Public.	N/A

Date(s)	Activity or Event	Target Audience	# of Materials Distributed
02/02/2023	Facebook Post. Highlighted Stormwater team's water quality monitoring sessions with Muhlenberg College Environmental Science Class, City's infrastructure & outfall inspections. Advertisement for stormwater programming offered by City.	General Public. Educational Institutions. Community Groups.	N/A
02/23/2023	City Hall at the Table (CHATT). Attended community meeting to discuss stormwater services.	General Public. (15)	10
03/08/2023	Freedom High School Career Day. Hosted booth to promote jobs in Public Works operations and available summer jobs.	High School Students. (300)	35
03/23/2023	Facebook Post. Highlighted Stormwater team's macroinvertebrate & water quality monitoring sessions with Muhlenberg College Environmental Science Class. Advertisement for stormwater programming offered by City.	General Public. Educational Institutions. Community Groups.	N/A
04/22/2023	Earth Day – City Event. Hosted booth featuring stormwater educational activities.	General Public. (300)	170
04/25/2023	Lehigh County Envirothon Event. Hosted Aquatics Station, covering topics of water quality, pollution, stormwater runoff, aquatic organisms, and water resource management and protection.	High School Students. (70)	60
04/26/2022 04/25/2023	Installed "No Dumping, Drains to River" decals.	General Public.	1,139

3.0 Certification by Duly Authorized Representative

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



Mark Shahda
Director of Public Works

Department of Public Works
City of Allentown
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Allentown, PA 18103
Mark.Shahda@allentownpa.gov
610-437-7583

07/17/2023

Date

APPENDIX

City of Allentown Stormwater Program Budget Detail

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE**

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
0001-02 PERMANENT WAGES	642,439	642,439	642,439	745,955
0001-06 PREMIUM PAY	0	94	94	200
Line Item Detail				
1 Overtime for Tax Examiner				200.00
		Line Items Total		200.00
0001-08 LONGEVITY	5,652	5,652	5,652	5,816
0001-11 SHIFT DIFFERENTIAL	0	8	14	50
Line Item Detail				
1 Shift Differential for Tax Examiner				50.00
		Line Items Total		50.00
0001-12 FICA	54,511	54,511	54,511	58,142
Line Item Detail				
1 FICA				58,142.14
		Line Items Total		58,142.14
0001-14 PENSION	69,409	69,409	69,409	81,629
Line Item Detail				
1 PMRS				81,629.02
		Line Items Total		81,629.02
0001-15 Employee - Health Insurance Opt Out	1,508	1,508	1,508	2,508
Line Item Detail				
1 healthcare opt-out increase				1,000.00
		Line Items Total		1,000.00
0001-16 INSURANCE - EMPLOYEE GRP	213,746	213,746	213,746	218,988
Line Item Detail				
1 Ins				218,988.00
		Line Items Total		218,988.00
0001-26 PRINTING	600	600	0	5,300
Line Item Detail				
1 30" X 36" X 0.080" Bilingual Environmental Education Signs at Each Entrance/Exit to Jordan Creek Parkway Trail				400.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
Line Item Detail				
2 20" X 20" X 0.080" Bilingual Environmental Education Sign at Outfall JC10792L51.08 in Jordan Park				100.00
3 20" X 20" X 0.080" Bilingual Environmental Education Sign at Gordon Street Bridge by basketball court for Outfall JC3867R41.45				100.00
4 20" X 20" X 0.080" Bilingual Source Water Protection Signs in Lehigh Parkway along Little Lehigh Creek				200.00
5 6-English/6-Spanish 12" X 18" X 0.080" Environmental Education Signs at 6 locations within high priority sewersheds				900.00
6 4" x 4" x 96" square posts				1,200.00
7 2" x 2" x 96" square posts				2,400.00
		Line Items Total		5,300.00
0001-28 MILEAGE REIMBURSEMENT	100	100	0	100
Line Item Detail				
1 Mileage Reimbursement				100.00
		Line Items Total		100.00
0001-32 PUBLICATIONS & MEMBERSHIP	480	480	339	485
Line Item Detail				
1 APWA Membership (MS4 Coordinator)				185.00
2 AWWA Membership				200.00
3 Bi-annual PA PE License Renewal (odd year renewals)				100.00
		Line Items Total		485.00
0001-34 TRAINING & PROF. DEVELOP	4,780	4,780	4,095	8,025
Line Item Detail				
1 AWWA Northeast Spring & Fall Conference; 4 people at \$50.00 X 2 per year				400.00
2 Water License Training; 3 classes at \$250.00 each				750.00
3 Certified NPDES Training; One per employee per year to equal 5 employees at \$825.00				4,125.00
4 Materials for Municipal Employee Training Program; 5 videos and modules at \$550.00 each				2,750.00
		Line Items Total		8,025.00
0001-42 REPAIRS & MAINTENANCE	500	500	500	1,000
Line Item Detail				
1 Risk Management Vehicle Claims				500.00
2 Annual Weight Calibration Certification				500.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE**

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
		Line Items Total		1,000.00
0001-44 LEGAL SERVICES	105,000	105,000	45,000	27,000
Line Item Detail				
1 72 hours of service at \$385.00 per hour for Regulatory Correspondence to the PaDEP and EPA regarding National Pollutant Discharge Elimination System permitting matters.				27,000.00
		Line Items Total		27,000.00
0001-46 OTHER CONTRACT SERVICES	359,000	359,000	294,000	291,000
Line Item Detail				
1 Lab Sample - Annual Contract				35,000.00
2 Stormwater Management Program Support Services for contract C12-000332				170,000.00
3 Technical consultation with EPA & DEP for permit renewal and management plan update at \$235.00/hr for 212 hours of service				50,000.00
4 Engineering consultation (grant technical assistance for one grant at 155.00/hr for 32 hours)				5,000.00
5 Annual Admins Maintenance for contract C22-000049				31,000.00
		Line Items Total		291,000.00
0001-50 OTHER SERVICES & CHARGES	8,065	10,065	10,065	8,000
Line Item Detail				
1 NPDES Annual Permit Fee				2,500.00
2 Stormwater Utility Lien Fees				4,000.00
3 Advertising for grants & events				1,500.00
		Line Items Total		8,000.00
0001-54 REPAIR & MAINT SUPPLIES	45,000	34,000	24,000	541
Line Item Detail				
1 Laboratory Glassware Detergent - Liquinox				215.00
2 Laboratory Glassware Detergent - Alconox Alcotabs				110.00
3 Isopropyl Alcohol (70-90%) Laboratory Sanitizer				96.00
4 Antibacterial Hand Sanitizer				60.00
5 Antibacterial Hand Soap				60.00
		Line Items Total		541.00
0001-56 UNIFORMS	465	465	465	980
Line Item Detail				

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE

<u>Account Number</u>	<u>2022 Budget</u>	<u>2022 Adj Budget</u>	<u>2022 A&E</u>	<u>2023 Final Budget</u>
<u>Line Item Detail</u>				
1 Supervisor Carhart Jackets				530.00
2 Safety Shoes				200.00
3 Supervisor Fleece Jackets				250.00
		Line Items Total		980.00
0001-66 CHEMICALS	800	2,800	2,800	4,000
<u>Line Item Detail</u>				
1 Water Sampling Chemicals (Buffers, Standards, Testing Media)				3,500.00
2 Laboratory Grade Distilled Water				500.00
		Line Items Total		4,000.00
0001-68 OPERATING MATERIALS & SUPP	49,500	46,500	18,500	12,149
<u>Line Item Detail</u>				
1 Personal Protective Equipment (high viz vests, goggles)				1,000.00
2 Leather Work Gloves				200.00
3 Nitrile Gloves				1,050.00
4 Materials Public Outreach Program (Educational giveaways)				4,200.00
5 Consumables for Public Outreach Model Displays				200.00
6 Supplies for Monitoring & Discharge Characterization Program				3,200.00
7 Replacement silicone tubing for Compositors Pumps				324.00
8 Replacement polyethylene tubing for Compositors				938.00
9 PH Module for YSI Probe				285.00
10 Dissolved Oxygen Membrane Kit				144.00
11 Ammonia Module for YSI Probe				308.00
12 Filter Replacement for Laboratory Water System				300.00
		Line Items Total		12,149.00
0001-72 EQUIPMENT	41,400	46,946	45,946	28,000
<u>Line Item Detail</u>				
1 Protective housing for composit sampler				6,000.00
2 Tripod Underground Camera for PCSM & IDDE Inspection Programs				19,000.00
3 (2) Microsoft Surface Tablet for engineering field inspections; education and outreach field programs				3,000.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0001 REGULATORY COMPLIANCE**

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
		Line Items Total		28,000.00
0001-86 GENERAL CITY CHARGES	397,335	397,335	397,335	603,304
Line Item Detail				
1 General City Charges				603,304.00
		Line Items Total		603,304.00
0001-88 INTERFUND TRANSFERS	197,744	197,744	197,744	138,241
Line Item Detail				
1 Risk Fund- Property and Casualty				138,240.58
		Line Items Total		138,240.58
0001-90 REFUNDS	225,000	225,000	59,000	37,800
Line Item Detail				
1 Credit Program, estimated at 5 applications per year				1,800.00
2 Appeals, estimated at 25 applications per year				6,000.00
3 Refunds due to over payment of utility fee				30,000.00
		Line Items Total		37,800.00
Total REGULATORY COMPLIANCE	2,423,034	2,418,682	2,087,162	2,279,213

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
0002-02 PERMANENT WAGES	1,448,048	1,448,048	1,506,286	1,694,669
Line Item Detail				
1 wage adjustment				8,580.00
		Line Items Total		8,580.00
0002-04 TEMPORARY WAGES	35,000	35,000	0	28,800
Line Item Detail				
1 Summer & Temp Help @ \$15/hr				28,800.00
		Line Items Total		28,800.00
0002-06 PREMIUM PAY	123,850	123,756	123,756	123,850
Line Item Detail				
1 Overtime, Standby, call outs - Bargaining				104,850.00
2 Overtime, Standby, call outs - Non-Bargaining				19,000.00
		Line Items Total		123,850.00
0002-08 LONGEVITY	18,068	18,068	18,068	16,332
0002-11 SHIFT DIFFERENTIAL	12,385	12,378	12,378	12,385
Line Item Detail				
1 Shift Differential - Bargaining				10,485.00
2 Shift Differential - Non-Bargaining				1,900.00
		Line Items Total		12,385.00
0002-12 FICA	136,483	136,483	136,483	142,194
Line Item Detail				
1 FICA				142,193.92
		Line Items Total		142,193.92
0002-14 PENSION	223,927	223,927	223,927	263,351
Line Item Detail				
1 PMRS				263,350.75
		Line Items Total		263,350.75
0002-16 INSURANCE - EMPLOYEE GRP	689,587	689,587	689,587	706,497
Line Item Detail				
1 Ins				706,497.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE**

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
		Line Items Total		706,497.00
0002-26 PRINTING	120	120	120	0
0002-28 MILEAGE REIMBURSEMENT	75	75	75	75
Line Item Detail				
1 Mileage Reimbursement				75.00
		Line Items Total		75.00
0002-30 RENTALS	224,115	199,115	184,115	142,207
Line Item Detail				
1 Specialized rental equipment (as needed due to equipment failure)				15,000.00
2 Vactor Lease Payment 3 of 5 (C54-000021)				98,806.91
3 Paver Lease Payment 2 of 5 (C13-000029)				28,399.71
		Line Items Total		142,206.62
0002-32 PUBLICATIONS & MEMBERSHIP	1,080	1,080	1,080	985
Line Item Detail				
1 APWA Membership				185.00
2 CDL License Reimbursement				800.00
		Line Items Total		985.00
0002-34 TRAINING & PROF. DEVELOP	19,540	19,540	18,040	19,690
Line Item Detail				
1 NASSCO Congress & Expo				590.00
2 AWWA Eastern Conference				200.00
3 NASSCO Certification (Initial)				5,850.00
4 NASSCO Re-Certifications				2,100.00
5 Stormwater Initial Certification				5,100.00
6 Vegetation Maintenance				1,500.00
7 Office Training				250.00
8 Water License Training				800.00
9 MS4 Training				2,000.00
10 Hazwoper Hazardous waste training				500.00
11 Stormwater Re-Certifications				800.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE**

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
		Line Items Total		19,690.00
0002-42 REPAIRS & MAINTENANCE	15,000	15,000	15,000	37,000
Line Item Detail				
1 Equipment Repairs				4,000.00
2 Risk Management Vehicle Claims, under \$500				3,000.00
3 Large Storm Grate Repair (Vultee St)				30,000.00
		Line Items Total		37,000.00
0002-46 OTHER CONTRACT SERVICES	27,094	27,094	21,094	34,087
Line Item Detail				
1 Disposal of hazardous materials				10,000.00
2 Accu Weather (1/2 in Streets)				2,087.00
3 Weather Works (1/2 in Streets)				1,500.00
4 Emergency Spill Clean up				10,000.00
5 Vehicle GPS Service (Existing & new units)				6,720.00
6 Vehicle Camera Service (Existing & new units)				3,780.00
		Line Items Total		34,087.00
0002-54 REPAIR & MAINT SUPPLIES	70,050	65,745	70,050	143,050
Line Item Detail				
1 Repair Parts: Brick, Block, Cement, etc.				10,000.00
2 Hand tools				2,000.00
3 Rubberized crackseal				300.00
4 Storm Truck supplies				1,000.00
5 Inlet Protectors				6,500.00
6 Silt Soxx: Swales, outfalls & emergencies				5,000.00
7 Flex-tube 6" & 8" Extension hose				250.00
8 Flowfill / Concrete Contract				45,000.00
9 Storm Piping (moved from 64 account)				25,000.00
10 Manhole Risers (moved from 64 account)				15,000.00
11 Castings (moved from 64 account)				5,000.00
12 Inlet Risers (moved from 64 account)				5,000.00
13 Inlet Grates (moved from 64 account)				5,000.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
Line Item Detail				
14 24" Solid Lids (moved from 64 account)				5,000.00
15 Inlet Boxes (moved from 64 account)				9,880.00
16 C-Spacers & L-Spacers (moved from 64 account)				3,000.00
17 25-Bends & 22-Bends (moved from 64 account)				120.00
		Line Items Total		143,050.00
0002-56 UNIFORMS	12,813	12,813	12,813	14,558
Line Item Detail				
1 Bargaining Uniforms				9,000.00
2 Safety Shoes				5,000.00
3 Supervisor Polo Shirts				240.00
4 Supervisor Carhart jackets				318.00
		Line Items Total		14,558.00
0002-62 FUELS, OILS & LUBRICANTS	51,500	81,500	81,500	80,000
Line Item Detail				
1 Fuel Contribution				80,000.00
		Line Items Total		80,000.00
0002-64 PIPE & FITTINGS	73,000	77,750	73,000	0
0002-66 CHEMICALS	4,740	4,740	4,740	200
Line Item Detail				
1 Leak & Location Dye				200.00
		Line Items Total		200.00
0002-68 OPERATING MATERIALS & SUPP	31,350	31,350	31,350	25,650
Line Item Detail				
1 Vehicle Fire Extinguishers				300.00
2 First Aid Supplies				750.00
3 Roadway Safety Signs				2,000.00
4 Toner for TV truck printer				600.00
5 Plastic Barricade/cones				2,500.00
6 Cues Annual Service				8,000.00

**CITY OF ALLENTOWN
PROGRAM BUDGET**

**086 STORMWATER
03 PUBLIC WORKS
0815 STORMWATER
0002 STORMWATER MAINTENANCE**

Account Number	2022 Budget	2022 Adj Budget	2022 A&E	2023 Final Budget
Line Item Detail				
7 PA1 Marking Paint & Flags (green)				3,000.00
8 Personal Protective Equipment				6,000.00
9 Plants for revegetation of rain gardens @ 6th & Sumner				2,500.00
		Line Items Total		25,650.00
0002-72 EQUIPMENT	405,500	405,500	405,500	300,000
Line Item Detail				
1 Regentive Air Sweeper				300,000.00
		Line Items Total		300,000.00
0002-76 CONSTRUCTION CONTRACTS	550,000	550,000	0	1,000,000
Line Item Detail				
1 Storm Lining Program (Roughly 2 miles)				1,000,000.00
		Line Items Total		1,000,000.00
Total STORMWATER MAINTENANCE	4,173,325	4,178,669	3,628,962	4,785,580