

Application Type Renewal
Facility Type MS4
Permit Type Individual

NPDES PERMIT FACT SHEET
MS4s

Application No. PAI130521
APS ID 979722
Authorization ID 1249798

Applicant and Facility Information

Applicant Name	<u>Willistown Township Chester County</u>	Facility Name	<u>Willistown Township MS4 UA</u>
Applicant Address	<u>688 Sugartown Road</u> <u>Malvern, PA 19355</u>	Facility Address	<u>688 Sugartown Road</u> <u>Malvern, PA 19355</u>
Applicant Contact	<u>David Burman</u>	Facility Contact	<u>David Burman</u>
Applicant Phone	<u>(610) 647-5300</u>	Facility Phone	<u>(610) 647-5300</u>
Client ID	<u>86424</u>	Site ID	<u>613724</u>
SIC Code	<u>9199</u>	Municipality	<u>Willistown Township</u>
SIC Description	<u>Electric, Gas And Sanitary Services</u>	County	<u>Chester</u>
Date Application Received	<u>June 1, 2018</u>		
Date Application Accepted	<u></u>		
Purpose of Application	<u>Permit Renewal.</u>		

Internal Review and Recommendations

The PRP identifies three watersheds: 1. Ridley Creek; 2. Crum Creek; 3. Little Valley Creek

Per appendix H of the original submission, the sediment loading for each of the watersheds was calculated as follows:

Ridley Creek 104,272.61 pounds

Crum Creek 339,232.64 pounds

Little Valley Creek 63,540.92 pounds

Total sediment load = 507,046.17 pounds

Required sediment reduction (10%) = 50,704.62 pounds

Sediment Loading Rates for Chester County:

- Impervious Developed 1,504.78 pounds per acre
- Pervious Developed 185.12 pounds per acre

In the original submission, the Engineer used Wikiwatershed Analysis to determine percentage of impervious and pervious soils. Overall, this Analysis was found to be in close proximity of the Statewide MS4 Land Cover Estimates.

Approve	Deny	Signatures	Date
X		James M. McTish, Jr. James M. McTish, Jr. / Project Manager	February 6, 2022
X		<i>Elizabeth Mahoney</i> Elizabeth A Mahoney / Environmental Group Manager	2/7/22

Internal Review and Recommendations

Per Appendix H of the submission received by PA DEP on June 1, 2018 the Planning Area is as follows:

- Ridley Creek Watershed 283.06 Acres
- Crum Creek Watershed 855.81 Acres
- Little Valley Creek Watershed 81.38 Acres
- Total Planning Area: 1,220.25 Acres

Per the May 14, 2021 Electronic submission made to the PA DEP FTP site the total planning area:

- Ridley Creek Watershed 579.30 Acres
- Crum Creek Watershed 1,148.62 Acres
- Little Valley Creek Watershed 241.65 Acres
- Total Planning Area 1,969.57 Acres
- Per the Statewide MS4 Land Cover Estimates, the total Urbanized Area for Willistown Township is 4,023.5 acres which yields 2,053.93 acres being parsed.

Per Appendix L of the January 28, 2022 revised submission, the total planning area:

- Ridley Creek Watershed 608.7 Acres
- Crum Creek Watershed 1,135.11 Acres
- Little Valley Creek Watershed 242.61 Acres
- Total Planning Area 1,986.42 Acres
- Per the Statewide MS4 Land Cover Estimates, the total Urbanized Area for Willistown Township is 4,023.5 acres which yields 2,037.08 acres being parsed.

Per Appendix H of the January 28, 2022 revised submission, the total sediment loading:

Watershed	Sediment Load	10% Required Reduction
Ridley Creek Watershed	223,036.45 pounds	22,303.65
Crum Creek Watershed	459,750.81 pounds	45,975.08
Little Valley Creek Watershed	139,123.08 pounds	13,912.31
Total	821,910.34 pounds	82,191.03

Per Appendix I of the January 28, 2022 revised submission, BMP load reductions:

Ridley Creek:

6.1.1.1.	Rita Reves Park	Bioretention	1,997 pounds/year
6.1.1.2.	Farmhouse Lane	Bioretention	1,870 pounds/year
6.1.1.3.	Hickory Lane	Bioretention	6,105 pounds/year
6.1.1.4.	17 Locations	Inlet Filter Bags	8,809 pounds/year
6.1.1.5.	Troutbeck Farm Subdivision	Riparian Forest Buffer	4,567 pounds/year
6.1.1.6	Willistown Point subdivision	Tree Planting	142 pounds/year
Total			23,490 pounds/year

Internal Review and Recommendations

Crum Creek:

6.1.2.1.	Greentree Park	Bioretention	3,273 pounds/year
6.1.2.2.	Mill Road Park	Bioretention	12,459 pounds/year
6.1.2.3.	Eisenhower Road	Stream Restoration	16,830 pounds/year
6.1.2.4.	3 Locations	Inlet Sediment Filter Bag	1,806 pounds/year
6.1.2.5.	Stonehenge Subdivision	Stream Restoration	16,830 pounds/year
Total			51,198 pounds/year

Little Valley Creek:

6.1.3.1.	4 Locations	Inlet Sediment Filter Bag	4,257 pounds/year
6.1.3.2.	Industrial Boulevard	Bioretention	11,890 pounds/year
Total			16,147 pounds/year

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.