

Application Type Renewal
Facility Type MS4
Permit Type Individual

NPDES PERMIT FACT SHEET
MS4s

Application No. PAI130063
APS ID 952572
Authorization ID 1202342

Applicant and Facility Information

Applicant Name	<u>New Britain Borough Bucks County</u>	Facility Name	<u>New Britain Borough MS4 UA</u>
Applicant Address	<u>45 Keeley Avenue</u> <u>New Britain, PA 18901-5212</u>	Facility Address	<u>45 Keeley Avenue</u> <u>New Britain, PA 18901-5212</u>
Applicant Contact	<u>Amanda Zimmerman</u>	Facility Contact	<u></u>
Applicant Phone	<u>(215) 348-4586</u>	Facility Phone	<u></u>
Client ID	<u>96398</u>	Site ID	<u>614739</u>
SIC Code	<u>9199</u>	Municipality	<u>New Britain Borough</u>
SIC Description	<u>Public Admin. - Genral Government, Nec</u>	County	<u>Bucks</u>
Date Application Received	<u>September 25, 2017</u>		
Date Application Accepted	<u></u>		
Purpose of Application	<u>Formerly PAG130154.</u>		

Internal Review and Recommendations

Public Comment

The following dates are important to understanding how New Britain Borough met the public participation requirements:

- Date the MS4 Pollutant Reduction Plan public notice was published in newspaper: July 30, 2023
- Date the MS4 Pollutant Reduction Plan was made available for public review/comment: July 31, 2023
- Date the MS4 Pollutant Reduction Plan listed on the public meeting agenda: August 9, 2023
- Date the MS4 Pollutant Reduction Plan comments were accepted at a public meeting: August 9, 2023
- End date for the receipt of written comments (30 days from the date of public notice): September 1, 2023

Pollutants of Concern

Approve	Deny	Signatures	Date
✓		 Ian Quinlan, Environmental Engineer	December 21, 2023
X		<i>Elizabeth Mahoney</i> Environmental Group Manager	12/27/2023

Internal Review and Recommendations

**MS4 Urban Area Report
 NEW BRITAIN BORO, Bucks County**

INDIVIDUAL PERMIT REQUIRED: Yes	REASON: TMDL Plan	NPDES ID: PAG130154
IMPAIRED DOWNSTREAM WATERS	REQUIREMENTS	OTHER CAUSES OF IMPAIRMENT
Neshaminy Creek	Appendix B-Pathogens (5) Appendix E-Nutrients Organic Enrichment/Low D.O. (5)	
Neshaminy Creek TMDL	TMDL Plan-Siltation Suspended Solids (4a)	
Cooks Run	Appendix E-Nutrients (5)	
Pine Run	Appendix E-Excessive Algal Growth (5)	
North Branch Neshaminy Creek		Water/Flow Variability (4c)

Existing Loading

Internal Review and Recommendations

TABLE E- 2: SUMMARY OF PLANNING AREA LOADING

Land Area Location	Sediment Load (lbs/year)	Area (acres)
Pine Run Watershed	3,557,417	7,460
Cooks Run Watershed	16,527,165	18,775
New Britain Borough Planning Area		
Pine Run – Area 0	6,344	11
Pine Run – Area 1	60,304	115
Cooks Run – Area 0	51,025	43
Cooks Run – Area 1	51,111	68
Cooks Run – Area 2	26,667	31
Cooks Run – Area *3	160	0.32
Cooks Run – Area 4	15,289	19
Cooks Run – Area 5	1,039	2
Cooks Run – Area *6	760	1.52
Cooks Run – Area 7	1,039	2
Cooks Run – Area 8	8,238	5
Borough Planning Area Total Loading	221,976	298
Required Borough Sediment Reduction (10%)	22,198	

*MapShed Program does not recognize Planning Areas <2ac. Assumed 500lbs/ac.

Internal Review and Recommendations

TABLE F- 1: SUMMARY OF PINE RUN WLA

Pine Run Sediment WLA	
Borough Planning Area within Pine Run Sub-watershed (acres)	126
Borough Pine Run Planning Area Sediment Load (lbs/year)	66,648
TMDL Required Sediment Load Reduction (%)	52%
TMDL Allocated Sediment Wasteload – 25 Years (lbs/year)	34,657
TMDL Minimum Required Sediment Load Reduction – 25 Years (lbs/year)	34,657
TMDL Minimum Required Sediment Load Reduction – 5 Years (lbs/year)	6,931

TABLE H- 1: SUMMARY OF EXISTING LOADS & REDUCTION REQUIREMENTS

Land Area Location	Sediment Load (lbs/year)
Pine Run	66,648
Cooks Run	155,328
Borough Planning Area Total Loading	221,976
Required Borough Sediment Reduction (10%)	22,198

Internal Review and Recommendations

TABLE H- 2: SUMMARY OF BMPS

	BMP Location	BMP Type	Area Treated by BMP (Acres)	Sediment Load Removed by BMP (lbs/year)	Planning Area
1	Aarons Avenue	Bioswale	3.9	Up to 3,507	Cooks Run
2	North Tamenend Avenue	Bioswale	15.2	Up to 5,318	Pine Run
3	South Landis Mill Road	Rain Garden	2.0	Up to 2,008	Cooks Run
4	South Sand Road	Bioswale	13.9	Up to 11,305	Cooks Run
5	Fluehr Funeral Home	Basin Retrofit	20.5	Up to 15,448	Cooks Run
6	Barrie Circle	Rain Garden	3.3	Up to 2,423	Cooks Run
7	Pine Run Creek, Covered Bridge/Orchard Parks	Stream Restoration	100 ft	Up to 11,500	Pine Run

TABLE H- 3: SUMMARY OF MS4 POLLUTANT REDUCTION PLAN

Planning Area	Area (acres)	Existing Sediment Load (lbs/year)	Potential Proposed Sediment Load Reduction (lbs/year)
Pine Run	126	66,648	16,818
Cooks Run	172	155,329	34,691
Total	298	221,976	51,509
Minimum PRP Reduction	22,198 (required 10% of total)		

Internal Review and Recommendations

I. IDENTIFICATION OF FUNDING MECHANISMS

New Britain Borough will be working during the five-year term of the individual permit coverage to determine the best funding source for each proposed BMP, as each project is undertaken. Funding sources for the proposed structural BMPs outlined in this MS4 Pollutant Reduction Plan could include the following:

- General Fund
- MS4 Dedicated Fund
- MS4 Stormwater Fee
- Developer Cooperation
- Grant Funding
- PennVest Low-Interest Loan
- Bond

TABLE J- 1: OPERATION & MAINTENANCE OF BMPS

BMP Location	BMP Type	Responsible Party	Activity & Frequency
Aarons Avenue	Bioswale	New Britain Borough	Per PA BMP Manual
North Tamenend Avenue	Bioswale	New Britain Borough	Per PA BMP Manual
South Landis Mill Road	Rain Garden	New Britain Borough	Per PA BMP Manual
South Sand Road	Bioswale	New Britain Borough	Per PA BMP Manual
Fluehr Funeral Home	Basin Retrofit	Fluehr Funeral Home	Per PA BMP Manual
Barrie Circle	Rain Garden	New Britain Borough	Per PA BMP Manual
Pine Run Creek, Covered Bridge/Orchard Parks	Stream Restoration	New Britain Borough	Per PA BMP Manual

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.