



Application Type Renewal
Facility Type MS4
MS4 Type Small

**INDIVIDUAL MS4
CHECKLIST**

Application No. PAI136142
APS ID 1106580
Authorization ID 1471470

Applicant and Facility Information

Applicant Name	<u>Bethel Park Borough Allegheny County</u>	Facility Name	<u>Bethel Park Borough Storm Sewer System</u>
Applicant Address	5100 W Library Avenue	Facility Address	5100 W Library Avenue
Municipality	Bethel Park, PA 15102-2787	County	Allegheny
Receiving Water(s)	Sawmill Run (WWF), Unnamed Tributary to Catfish Run (TSF), Piney Fork (TSF), Unnamed Tributary of Brush Run (WWF), Sleepy Hollow Run (TSF), Graesers Run (WWF), and Lick Run (TSF)	Ch. 93 Class.	WWF and TSF
Date Application Received	<u>January 30, 2024</u>		

Checklist

	<u>Completeness Item</u>	<u>Comments</u>
<input checked="" type="checkbox"/>	1. One original and two copies of complete NOI (3800-PM-BCW0100b).	
<input type="checkbox"/>	2. One original and two copies of complete Waiver Application (3800-PM-BCW0100e) (optional).	N/A
<input checked="" type="checkbox"/>	3. Complete storm sewer system map (existing permittees) (note – new urbanized areas do not require mapping of entire storm sewer collection system).	
<input type="checkbox"/>	4. Topographic map or storm sewer system map (new permittees and existing waivers).	N/A
<input type="checkbox"/>	5. MOU or written agreement for third party MCM implementation (if applicable).	N/A
<input checked="" type="checkbox"/>	6. Stormwater Management Ordinance (municipal applicants seeking renewed coverage only).	Stormwater management ordinance enacted 8/13/18
<input type="checkbox"/>	7. Stormwater Management Ordinance Checklist (3800-PM-BCW0100g) (if applicable).	N/A
<input type="checkbox"/>	8. SOPs (non-municipal applicants seeking renewed coverage only).	N/A
<input type="checkbox"/>	9. Chesapeake Bay PRP (Appendix D) and/or Impaired Waters PRP (Appendix E), where required.	N/A (approved last permit cycle) Revised PRP submitted 12/8/23 and approved 12/13/23.

Approve	Deny	Signatures	Date
X		 Lauren Nolfi / Environmental Engineering Specialist	September 10, 2025
X		 Michael E. Fifth, P.E. / Environmental Engineer Manager	September 19, 2025

<input type="checkbox"/>	9a. PRP public participation requirements – the PRP contains a copy of the public notice advertising the PRP, a copy of all written comments received from the public to the PRP, and a copy of the permittee's record of consideration of all timely comment received in the public comment period.	N/A
<input type="checkbox"/>	9b. PRP contains a map that identifies land uses and/or impervious/pervious surfaces and the storm sewershed boundary(ies) (note – this map may be combined with item #3 for existing permittees).	N/A
<input type="checkbox"/>	9c. PRP contains a section that describes the pollutants of concern.	N/A
<input type="checkbox"/>	9d. PRP contains existing load calculations for pollutants of concern.	N/A
<input type="checkbox"/>	9e. PRP selects BMPs to achieve the minimum required reductions in pollutant loading	N/A
<input type="checkbox"/>	9f. PRP identifies funding mechanisms.	N/A
<input type="checkbox"/>	9g. PRP identifies responsible parties for operation and maintenance (O&M) of BMPs.	N/A
<input type="checkbox"/>	9h. For joint PRPs, a written agreement amongst the parties is attached (if applicable).	N/A
<input type="checkbox"/>	10. TMDL Plan (Appendix F), where required.	N/A (approved last permit cycle)
<input type="checkbox"/>	10a. TMDL Plan public participation requirements (see 9a).	N/A
<input type="checkbox"/>	10b. Plan contains a map that identifies land uses and/or impervious/pervious surfaces and the storm sewershed boundary(ies).	N/A
<input type="checkbox"/>	10c. Plan contains describes the pollutants of concern.	N/A
<input type="checkbox"/>	10d. Plan contains existing load calculations.	N/A
<input type="checkbox"/>	10e. Plan identifies wasteload allocations (WLAs).	N/A
<input type="checkbox"/>	10f. Plan contains an analysis of short- and long-term objectives.	N/A
<input type="checkbox"/>	10g. PRP selects BMPs to achieve the minimum required reductions in pollutant loading.	N/A
<input type="checkbox"/>	10h. PRP identifies funding mechanisms.	N/A
<input type="checkbox"/>	10i. PRP identifies responsible parties for O&M of BMPs.	N/A
<input type="checkbox"/>	10j. For joint PRPs, a written agreement amongst the parties is attached (if applicable).	N/A
<input type="checkbox"/>	11. Complete NOI packages for each co-applicant (joint NOIs only). NOTE – Each municipality served by an authority must also submit an NOI.	N/A

Other Comments:

The Department received a Notice of Intent (NOI) for renewal of coverage of Bethel Park Borough under the Individual MS4 Permit on January 30, 2024. Bethel Park's previous individual permit was issued on August 14, 2019 and expired on August 31, 2024. Bethel Park is located in Allegheny County and has a population of 33,577, per the 2020 US Census. The borough has an urbanized area of approximately 7,489 acres per DEP Land Cover Estimates. 40% of the borough's urbanized area is impervious and 60% of the borough's urbanized area is pervious, per DEP Land Cover Estimates. The renewal submittal included a Stormwater Management Ordinance that was enacted on August 13, 2018 to be consistent with the 2022 DEP Model Stormwater Management Ordinance. Bethel Park is relying on Pennsylvania's Chapter 102 program for erosion and sediment control and post-construction stormwater management requirements.

Bethel Park has outfalls discharging to water bodies within four HUC-12 Watersheds: Lower Chartiers Creek Watershed, Middle Chartiers Creek Watershed, Piney Fork-Peters Creek Watershed, and Sawmill Run Watershed. The most downstream outfall to each water body is listed as: Outfall 001 to Unnamed Tributary (UNT) to Brush Run (WWF), Outfall 100 to Sawmill Run (WWF), Outfall 200 to Lick Run (TSF), Outfall 300 to UNT to Catfish Run (TSF), Outfall 400 to Piney Fork Run (TSF), Outfall 500 to Graesers Run (WWF), Outfall 600 to Sleepy Hollow Run (TSF).

UNT to Brush Run is impaired for nutrients, habitat alterations, and turbidity, resulting from habitat modification (other than hydromodification). **Sawmill Run** is impaired for organic enrichment and flow regime modification, resulting from combined sewer overflows and urban runoff/ storm sewers. Lick Run, UNT to Catfish Run, Piney Fork Run, and Sleepy Hollow Run are impaired for pathogens and metals, resulting from acid mine drainage. **Graesers Run** is impaired for nutrients, siltation and turbidity, resulting from habitat modification and hydromodification. UNT to Brush Run is tributary to Brush Run and Chartiers Creek. Graesers Run is tributary to McLaughlin Run and Chartiers Creek. **Brush Run** is impaired for nutrients, siltation, turbidity, organic enrichment, and habitat alterations, resulting from habitat modification (other than hydromodification) and construction. **Chartiers Creek** is impaired for PCBs, total dissolved solids, metals, total suspended solids, and siltation, resulting from acid mine drainage. **McLaughlin Run** is impaired for flow regime modification, siltation and turbidity, resulting from urban runoff/ storm sewers and habitat modification (other than hydromodification).

The Sawmill Run Watershed is impaired with a TMDL for acid mine drainage, sediment, and nutrients. Bethel Park has 612 acres in the Sawmill Run Watershed and is listed in the TMDL with wasteload allocations (WLAs) for nutrients and sediment. Bethel Park's sediment WLA is listed as 32.6 tons/yr and phosphorus WLA is listed as 10.5 lb/ growing season. The borough's TMDL Plan included the short-term goal of reducing its pollutant loads in Sawmill Run by 10% of its sediment existing load and 5% of its phosphorus existing load within the five-year permit term. Bethel Park also participates in the Integrated Watershed Management Plan to achieve the long-term TMDL reduction goal of sediment and phosphorus loads in the Sawmill Run Watershed.

The Brush Run Watershed is impaired with a TMDL for nutrients and sediment. Bethel Park has 143 acres in the Brush Run Watershed and is listed in the TMDL with WLAs for nutrients and sediment. Bethel Park's sediment WLA is listed as 3107 lbs/yr and phosphorus WLA is listed as 5.6 lbs/yr. In the TMDL Plan Bethel Park recalculated its existing load after parsing 97 acres that do not drain to its MS4 in the Brush Run Watershed. After parsing, Bethel Park's required TMDL reductions were calculated to be 2123.7 lbs/yr sediment and 2.8 lbs/ growing season phosphorus. The borough's TMDL Plan proposed to achieve 100% of its sediment required reduction and 50% of its phosphorus required reduction within the first five-year permit term.

During the last permit cycle, Bethel Park was subject to Appendix A, B, C, E, and F requirements. Bethel Park submitted a Pollutant Reduction Plan (PRP) to reduce pollutant loadings of sediment by 10% and nutrients by 5% in the Lower Chartiers Creek HUC-12 Watershed and TMDL Plans to reduce pollutant loadings in the Brush Run and Sawmill Run TMDL Watersheds. A revised Lower Chartiers Creek PRP was submitted on December 8, 2023, and approved on December 13, 2023. The revised PRP parsed land from the borough's Planning Area, which resulted in a reduced pollutant load reduction of 31,583 lbs/yr.

Bethel Park has submitted annual reports for 2004-2015, 2017-2019, and 2020-2024. Bethel Park documented their Minimum Control Measures (MCMs) and PCMs from the last permit cycle in their 2020-2024 Annual Reports. Storm Sewershed Maps were completed in September of 2021; the borough's Source Inventory was completed in August of 2022; Investigation of Suspected Sources was completed in September of 2023; the Ordinance/ SOP for Controlling Animal Wastes was enacted in August of 2018 per Ordinance 39.10.1.5 (Prohibited Public Property Acts) and International Building Code 302.1 (Sanitation of Exterior Property).

Bethel Park's previous permit required that the borough achieve pollutant loading reductions for nutrients and/or sediment as specified in Appendices E and F by August 31, 2024. Bethel Park submitted their PRP and TMDL Final Reports for the Brush Run, Lower Chartiers Creek, and Sawmill Run Watersheds on August 31, 2024. The PRP initially included proposed BMPs of stormwater inlet cleaning, rain gardens, underground detention tanks, a detention pond and a stream restoration project. The Brush Run TMDL Plan initially proposed a stream restoration project in conjunction with Peters Township within the Planning Area of Peters Township. The Sawmill Run TMDL Plan initially proposed 100 LF of stream restoration on Sawmill Run. Both TMDL Plans changed their proposed BMPs to Street Sweeping in 2022-2023. DEP is currently reviewing the PRP and TMDL Final Reports. The review is pending completion of Bethel Park's Peter Page Park stream restoration project. Bethel Park has stated that the stream restoration project is pending DEP permit approval.

Bethel Park Borough was most recently inspected on September 30, 2021 as an administrative/ file review and a compliance evaluation. Bethel Park received a violation for their failure to implement MCM #2, BMP #3 since at least one public meeting was not held in the past reporting period year. The inspection report recommended that all pollution materials should have a cover

and be kept away from drains and doorways. The report also recommended that Bethel Park update their map and meet their MCM #2, BMP #3 and MCM #3 BMP #2 and 3 permit obligations. The municipality has no open violations.

Draft permit issuance is recommended.