

Poolesville's Annual Wastewater Capacity Report

January 8, 2026

As outlined in Poolesville's adopted Capacity Management Plans, by January 31 each year, the Town is required to develop and submit to the MDE a Municipal Wastewater Capacity Report. The reports will include the three most recent years of flow data contained in the Discharge Monitoring Reports. To determine the annual average flow, the monthly average flow for each month will be averaged with the other monthly averages.

The Town has developed the following procedures to manage wastewater capacity and to control the distribution of capacity to avoid burdens to the system and to maintain sufficient set aside to accommodate the system.

According to the MDE, use of an estimate of 250 gallons per day (gpd) per single-family dwelling or 100 gpd per person is a common practice. Although actual domestic usage may be less, the Town's figure of 325 per household includes allowances for I&I.

The following methodology is used in the annual wastewater capacity determinations:

- Calculate the past three-year averages
- Calculate the number of allocated (not connected) sewer connections that the local government has provided a written commitment
- Subtract this sum from the permitted 750,000 gpd
- The remaining balance is the **net available wastewater capacity**

Average Flows

2023	485,000 GPD
2024	548,000 GPD
2025	474,000 GPD

Three-Year Rolling Average- 502,000 GPD

Lots approved to build – 117 units or **38,025 GPD**

- Highfill (Hughes Rd) 1, Jamison (Hughes Rd) 2, Fox Hunt (Hughes Rd) 2, Grace Cottages (Fisher Ave) 3
- Willard 63, Hartz 8, Petrella (Townhomes) 38.

Preliminary Plan Under Review Bricken – 65 units – or **21,125 GPD**

Net Available Wastewater Capacity

Discharge Permit	750,000 GPD
3-Yr Rolling avg.	-502,000 GPD
Allocated	-38,025 GPD
<u>Under Review</u>	<u>-21,125 GPD</u>
Net Available Wastewater Capacity	188,850 GPD

Poolesville Wastewater Capacity Report

Date of this Report: **January 8, 2026**

Municipal Wastewater Treatment Plant Name: **Poolesville WWTP**

Permit Issued to: **Commissioners of Poolesville**

County Where Plant is Located: **Montgomery**

NPDES Wastewater Discharge Permit Number: **MD0023001**

State Wastewater Discharge Permit Number: **12-DP-0781**

Facility Address: **18901 Fisher Avenue, Poolesville, Maryland 20837**

Name/Title of Individual Completing this Form: **Wade Yost, Town Manager**

Name/Title of Individual Certifying this Form: **James E. Brown, Commission President**

Questions

1. Rated/design flow: .750 MGD and current permitted flow: **0.750 MGD or 750,000 GPD.**
2. Annual average flow in MDG for each of the three (3) complete previous years:
2023 flow/MGD: 0.485; 2024 flow/MGD: 0.548; 2025 flow/MGD: 0.474.
3-year average = 0.502.
3. Gallons and EDUs to determine the flow contribution for building permits issued per structure:
325 GPD/EDU
4. Number of building permits currently approved but not connected to the WWTP: **13**
5. Total amount of additional flow in gallons represented approved building permits that have not been connected to date: **4,225 gpd.**
6. Potential flow when the flow from approved building permits not connected is added to the actual annual average plant flow in MGD for the last three (3) complete years: **0.506 MGD.**
7. Number of residential lots on approved record plats that have not applied for building permits and associated flow: **104 or 33,800 gpd.**
8. Number of commercial lots on approved record plats that have not applied for building permits and associated flow: **0 gpd.**
9. Three-year average annual flow: **0.502 MGD** (+) S1 building permits flow **0.0042 MGD** (+) prospective residential and commercial record plat flow **0.0338** (=) **0.54 MGD**
10. Were there any effluent violations, overflows, bypasses and causes reported to MDE (DMRs, Violation Notices and 5-Day Letters) associated with excessive flow at the WWTP and/or with the sewer system(s) that occurred during this reported period? **No**
11. Are there any planned WWTPs or sewer system upgrades, expansions or improvements decided on during this reporting period? **No**
12. Number of proposed future connections during this reporting period: **65.**

13. Amount of additional flow represented by proposed future connections described above: **0.021 MGD.**
14. Available treatment plant flow capacity remaining upon completion of proposed future connections described above: **0.189 MGD.**
15. Do flows from future connections and existing flow exceed flow? **No**
16. Are there any moratoriums or limitations on new building permit approvals currently in place? **No**
17. What is the “ultimate” flow capacity required if “build out” of the Town would occur based on the latest approved land use/zoning in the adopted master plan (as amended) for this reporting period?
650,000 GPD

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Wade Yost, Town Manager

James E. Brown, President
Commissioners of Poolesville

2025 Annual Inflow and Infiltration Report

Monthly Flow Data

Month	Precipitation	WWTP Average Flow	WWTP Flow MG/Month
January	1.37	0.448	13.882
February	1.97	0.612	19.192
March	1.01	0.562	17.418
April	2.23	0.422	12.645
May	12.69	0.779	24.136
June	3.98	0.500	15.000
July	4.19	0.352	10.909
August	1.61	0.328	10.167
Sept	2.14	0.338	10.141
Oct	2.26	0.320	9.935
Nov	1.42	0.333	9.991
Dec	2.00	0.361	11.184
Total	36.87	5.355	164.600
Average	3.073	0.446	13.717

Amount of I&I Flows Handled by the Plant

Calculation methodology for determining the amount of I&I utilized the average of the lowest month to establish a baseline of 9.935 MG/month.

Month	Total Monthly Flow - MG	Estimated I&I Flows Handled - MG
January	13.882	3.947
February	19.192	9.257
March	17.418	7.483
April	12.645	2.71
May	24.136	14.201
June	15.000	5.065
July	10.909	.974
August	10.167	.232
Sept	10.141	.206
Oct	9.935	0
Nov	9.991	.056
Dec	11.184	1.249
		Total: 45.380
		MGD Average: 3.782