

# Poolesville Sewage Flow Capacity Report

Date of this report: January 16, 2019

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 Ave. Poolesville MD 20837**

Name/title of individual completing form: **D. Wade Yost, Town Manager**

Name/title of person certifying this form: **Jerry Klobukowski, Commission President**

Contact person's name and telephone number: **D. Wade Yost 301-428-8927**

Mailing address if different from facility address: **P.O. Box 158. Poolesville MD 20837**

## **Questions:**

1. Rated/Design Flow: **.750 MGD** and Current Permitted Flow: **.750 MGD or 750,000 GPD**
2. Annual average flow in MGD for each of the three (3) complete previous calendar years:  
Year 16 Flow/MGD: **0.492** Year 17 Flow/MGD: **0.488** Year 18 Flow/MGD: **0.764**  
3-year Avg. = **0.581 MGD**
3. Gallons and EDUs used 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: **.585 MGD**
7. Number of residential lots on approved record plats that have not applied for building permits and associated flow: **122 or 39,650 gpd**

8. Number of commercial lots on approved record plats that have not applied for building permits and associated flow **13,358 gpd**
9. Three-year average annual flow **0.581 MGD** (+) S1 building permits flow **0.004225 MGD** (+) prospective residential & commercial record plat flow **0.05301** (=) **0.638 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 reporting period? **No**
11. Are there any planned WWTPs or sewer system upgrades, expansions, or improvements decided on during this reporting period? **Yes**
12. Number of proposed future connections during this reporting period 4
13. Amount of additional flow represented by proposed future connections described above: **0.00013 MGD**
14. Available treatment plant flow capacity remaining upon completion of proposed future connections described above: **0.112 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? **750,000 GPD**

---

**D. Wade Yost**  
**Town Manager**

---

**Jerome Klobukowski, President**  
**Commissioners of Pooleville**

# 2018 Annual Inflow and Infiltration Report

## Monthly Flow Data

	Precipitation	WWTP Average Flow	WWTP Flow MG/Month
January	2.01	423,000	13.105
February	4.96	765,000	21.408
March	1.96	554,000	17.186
April	4.28	584,000	17.507
May	7.21	800,000	24.808
June	5.83	708,000	21.229
July	12.95	813,000	25.210
August	8.22	800,000	24.801
Sept	10.57	1,046,000	31.377
Oct	2.78	634,000	19.642
Nov	7.83	1,113,000	33.402
DEC	6.62	934,000	28.967
<b>Total</b>	<b>75.22</b>	<b>9,174,000</b>	<b>278.642</b>
<b>Average</b>		<b>764,000</b>	

## 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 13.105 MG/Month

Month	Total Monthly Flow - MG	Estimated I & I Flows Handled - MG
January	13.105	0

February	21.408	8.303
March	17.186	4.081
April	17.507	4.402
May	24.808	11.703
June	21.229	8.124
July	25.210	12.105
August	24.801	11.696
September	31.377	18.272
October	19.642	6.537
November	33.402	20.297
December	28.967	15.862
	<b>Total</b>	<b>124.382</b>
	<b>MGD Average</b>	<b>.341</b>

### **2018 I/I Reduction Actions**

The Town of Pooleville prepared bid packages for manhole repairs and lateral lining. No bidders responded. The Town contacted several past vendors to obtain bids and scheduled contractors for October; however, the contractors have postponed several times. Some minor repairs to leaking lateral connections nor repairs that were identified through sewer televising were completed using a local plumber.

The Town deployed several flow monitoring recorders throughout Town to identify high I & I flow areas.

### **2018 Planned Reduction Actions**

Funding has been set aside for additional manhole rehabilitation and the relining of 6" terra-cotta laterals to 6" mains within the Wesmond Subdivision. Contractors are currently slated for early 2019 to perform the repairs.