

Memorandum

July 14, 2022

To: Commissioners of Poolesville

From: Wade Yost, Town Manager

RE: Fishpool LLC Request for Water and Sewer

A request has been made for the Willard Project for 62 dwelling units. For planning purposes, the Town uses 325 GPD. The total allocation request is for 20,150 GPD.

WATER:

The Maryland Department of the Environment has permitted the Town to withdrawal 650,000 GPD or 910,000 in the month of maximum use, which is based upon the Comprehensive Plan population figure of 6,500 residents. Our current average flow for the past 3 years is about 521,000 GPD and the month of maximum use at 650,000 GPD.

To further ensure adequate capacity was available, the Town contracted with S.S. Papadopoulos & Associates, environmental & water resource consultants to evaluate the water system. The evaluation considered climate change, drought, population impacts and flow models. The report determined that the Town's water system was capable of a sustainable yield of about 933,000 GPD and confirmed the MDE's determination that the Town has adequate water to support a population of 6,500 residents.

Although the sustainable yield is not permitted to be withdrawn, it does create redundancy in the system in the event of unforeseen circumstances.

Wastewater:

Using MDE's water capacity management calculations, required to be filed each year, details an available wastewater capacity of 138,000 GPD. See Attached report.

In summary, the MDE, Town data, estimated population just under 6,000 and the adopted water and sewer allocation plan, demonstrate that adequate water and wastewater capacity are available to support this request.

Poolesville Sewage Flow Capacity Report

Date of this Report: **January 31, 2022**

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:
2019 flow/MGD: 0.609; 2020 flow/MGD: 0.630; 2021 flow/MGD: 0.517.
3-year average = 0.585.
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: **8**.
5. Total amount of additional flow in gallons represented approved building permits that have not been connected to date: **2,600 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: **0.588 MGD.**
7. Number of residential lots on approved record plats that have not applied for building permits and associated flow: **24 or 7,800 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: **0.585 MGD** (+) S1 building permits flow **0.0026 MGD** (+) prospective residential and commercial record plat flow **0.0212** (=) **0.609 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? **Yes**
12. Number of proposed future connections during this reporting period: **8**
13. Amount of additional flow represented by proposed future connections described above: **0.0026 MGD.**
14. Available treatment plant flow capacity remaining upon completion of proposed future connections described above: **0.138 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**