

# UTILITY REPORT

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**AUGUST 2026**

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**Town of Bowling Green, VA**

**Authored by:**

**Inboden Environmental Services, Inc.**



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# WATER

## Water Quality

The treatment facilities and distribution system maintained compliance with all required sampling.

### Bacteriological Analysis:

| Location                | Date      | Result                          |
|-------------------------|-----------|---------------------------------|
| P/A: 020 – Pizza Hut    | 8/13/2026 | Absent                          |
| P/A: 050 – R. L. Hylton | 8/13/2026 | Absent                          |
| MPN: Well 1             | 8/13/2026 | <1 Total Coliform<br><1 E. coli |
| MPN: Well 4             | 8/13/2026 | <1 Total Coliform<br><1 E. coli |
| MPN: Well 5             | 8/13/2026 | <1 Total Coliform<br><1 E. coli |

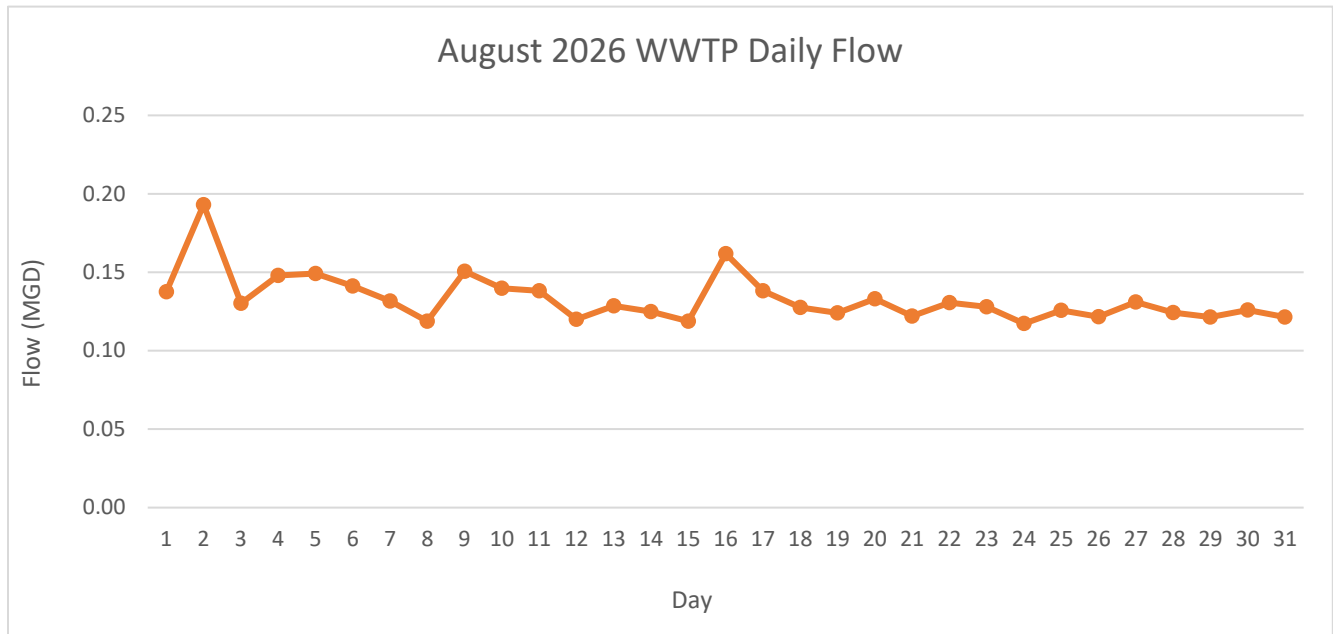
## Water Treatment

The water treatment plant met the Town’s water demand with a total monthly well yield of 4.380 MG for an average daily production rate of 0.141 MGD.

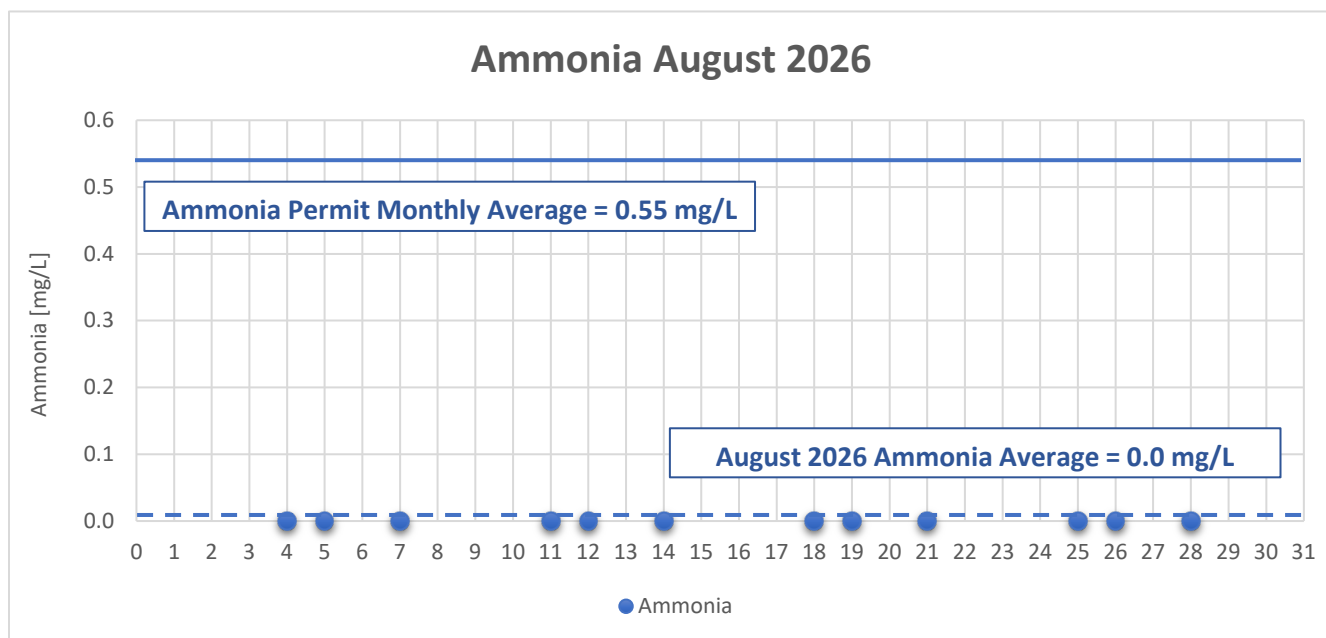
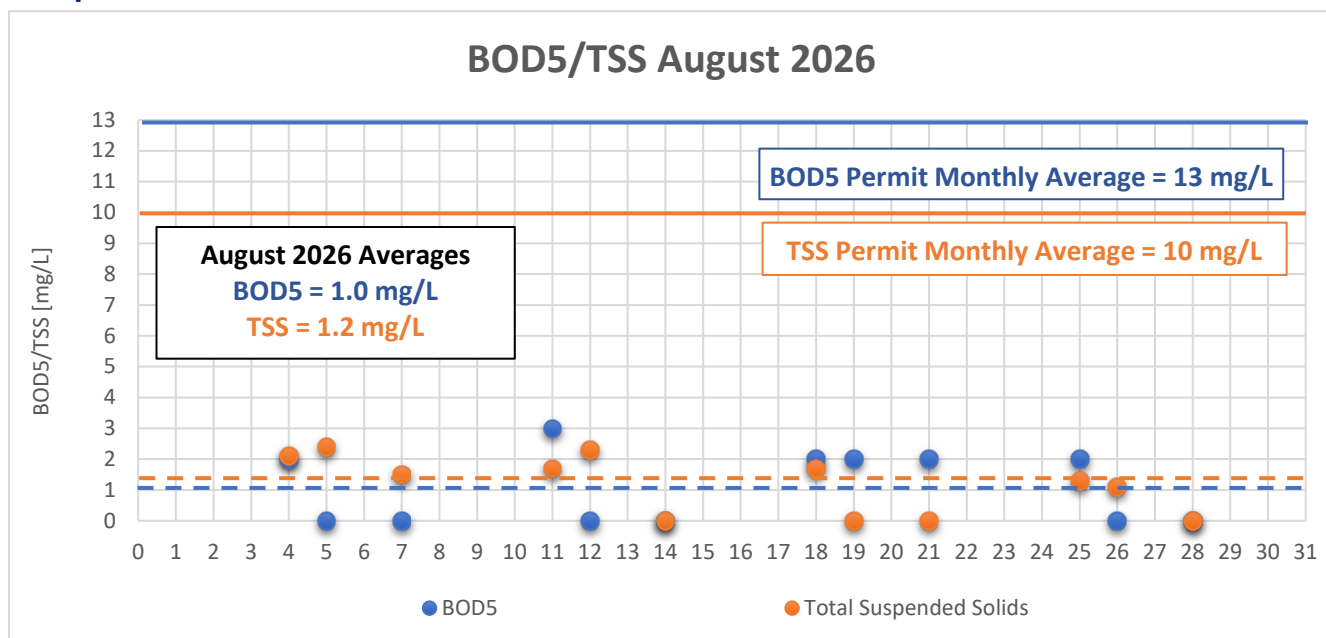
# WASTEWATER

## Wastewater Treatment

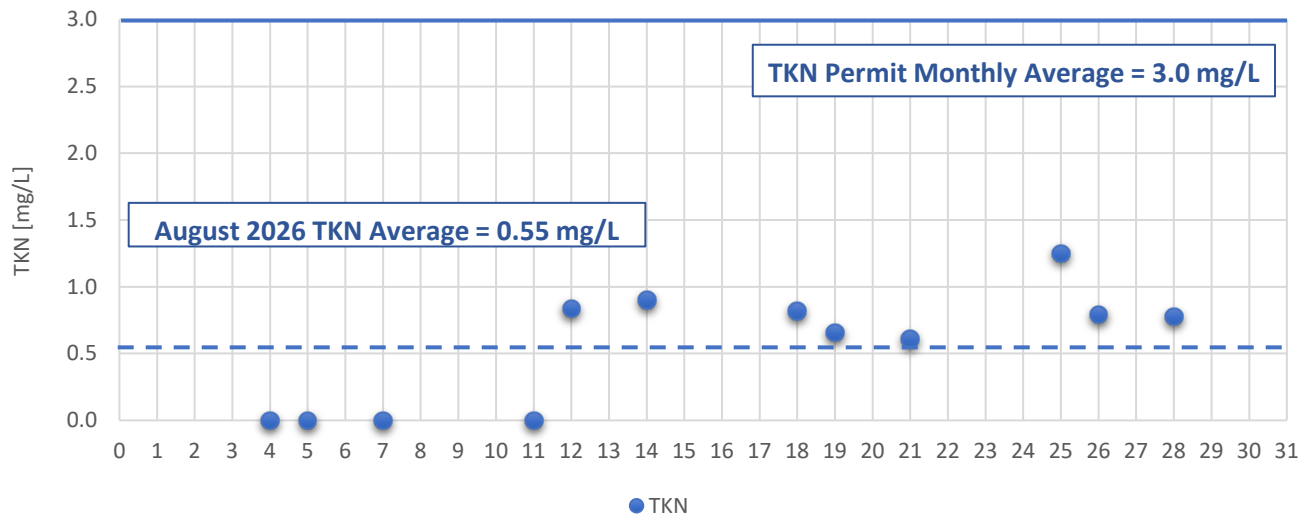
The wastewater treatment plant had an average daily flow of 0.133 MGD for a total monthly effluent discharge of 4.125 MG.



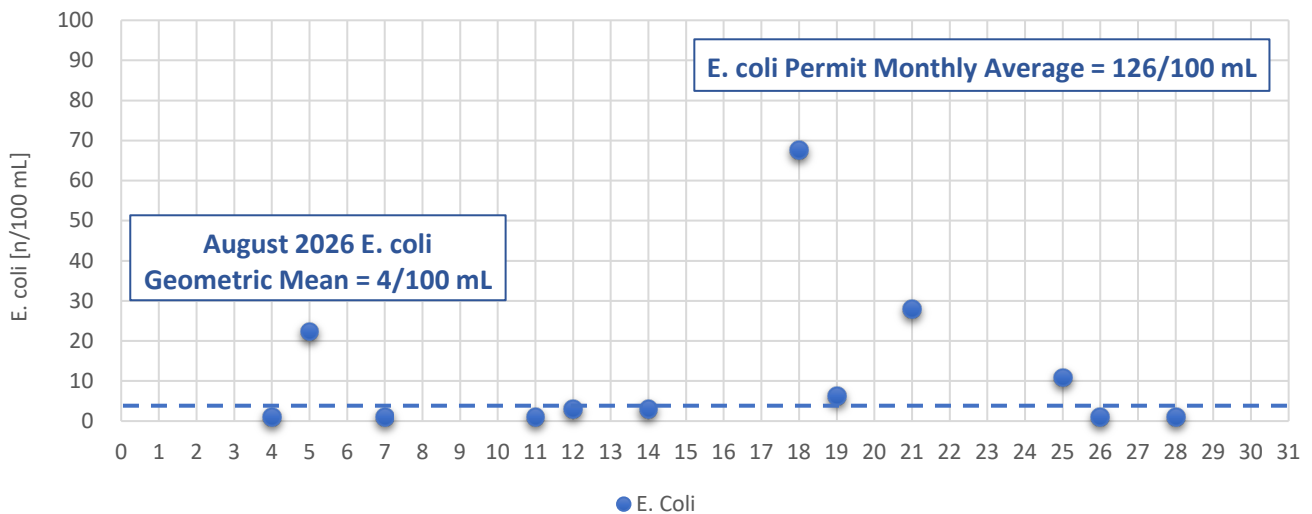
## Sample Results:



### TKN August 2026



### E. coli August 2026



# Glossary

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Bacteria           | E.coli and/or Total Coliform                                 |
| BOD5               | 5-day Biochemical Oxygen Demand                              |
| CBOD               | Carbonaceous Biochemical Oxygen Demand                       |
| cfu                | colony forming unit                                          |
| CIP                | Capital Improvement Plan or Cast/cleaned-in-place            |
| Cl                 | Chloride Ion                                                 |
| Cl2                | Chlorine                                                     |
| CMF                | Continuous Membrane Filtration?                              |
| D.O.               | Dissolved Oxygen                                             |
| F/M ratio          | Food to Microorganism ratio                                  |
| FOG                | Fats, Oil and Grease                                         |
| GST                | Ground Storage Tank                                          |
| HWTP               | Harmony Water Treatment Plant                                |
| I&I                | Infiltration and Inflow                                      |
| Inorganic Nitrogen | Nitrate + Nitrite                                            |
| LS                 | Lift Station                                                 |
| mg/L               | Milligrams per Liter                                         |
| MGD                | Million Gallons Per Day                                      |
| mL                 | Milliliters                                                  |
| MLSS               | Mixed Liquor Suspended Solids                                |
| MLVSS              | Mixed Liquor Volatile Suspended Solids                       |
| MPN                | Most Probable Number -bacteriological well sample            |
| MW                 | Monitoring Well                                              |
| N/N                | Nitrate/Nitrite                                              |
| Organic Nitrogen   | TKN                                                          |
| P/A                | Presence/Absence- bacteriological samples for drinking water |
| PFAS               | polyfluoroalkyl substances                                   |
| PLC                | Programmable Logic Controller                                |
| POE                | Point of Entry                                               |
| RAS                | Return Activated Sludge                                      |
| SCADA              | Supervisory Control and Data Acquisition                     |
| STEP               | Septic Tank Effluent Pump                                    |
| TKN                | Total Kjeldahl Nitrogen                                      |
| TN                 | Total Nitrogen                                               |
| TP                 | Total Phosphorous                                            |
| TR-6               | Copper sequestering chemical for wastewater                  |
| TSS                | Total Suspended Solids                                       |
| UV                 | Ultraviolet Light                                            |
| WTP                | Water Treatment Plant                                        |
| WWTP               | Wastewater Treatment Plant                                   |
|                    |                                                              |
|                    |                                                              |
|                    |                                                              |