



Application Type  
Facility Type  
Major / Minor

Renewal  
Municipal  
Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. **PA0272060**  
APS ID **1104432**  
Authorization ID **1468579**

**Applicant and Facility Information**

|                           |  |                  |  |
|---------------------------|--|------------------|--|
| Applicant Name            | <b>White Township Municipal Authority<br/>Indiana County</b> | Facility Name    | <b>White Township Municipal Authority<br/>Fulton Run STP</b> |
| Applicant Address         | 950 Indian Springs Road<br>Indiana, PA 15701-3506            | Facility Address | Fulton Lane<br>Indiana, PA 15701                             |
| Applicant Contact         | Daniel Jageman   | Facility Contact | Daniel Jageman   |
| Applicant Phone           | (724) 463-8585   | Facility Phone   | (724) 463-8585   |
| Client ID                 | 66230  | Site ID          | 834648   |
| Ch 94 Load Status         | Not Overloaded   | Municipality     | White Township   |
| Connection Status         | No Limitations   | County           | Indiana  |
| Date Application Received | <u>December 29, 2023</u>                                     | EPA Waived?      | Yes  |
| Date Application Accepted | <u>January 26, 2024</u>                                      | If No, Reason    |  |
| Purpose of Application    | <u>Renewal of Existing NPDES Permit</u>                      |                  |  |

**Summary of Review**

The White Township Municipal Authority (WTMA) has applied to the Pennsylvania Department of Environmental Protection (DEP) for reissuance of a NPDES permit for the Fulton Run STP. The permit was originally issued on June 12, 2019 with an effective date of July 1, 2019. The permit expired on June 30, 2024, but the terms and conditions of the permit have been administratively extended since that time.

Based on the review outlined in this fact sheet, it is recommended that the permit be drafted, and a notice of the draft permit be published in the *Pennsylvania Bulletin* for public comments for 30 days.

Sludge use and disposal description and location(s): Not documented in the application

Public Participation

DEP will publish notice of the receipt of the NPDES permit application and a tentative decision to issue the individual NPDES permit in the *Pennsylvania Bulletin* in accordance with 25 Pa. Code § 92a.82. Upon publication in the *Pennsylvania Bulletin*, DEP will accept written comments from interested persons for a 30-day period (which may be extended for one additional 15-day period at DEP's discretion), which will be considered in making a final decision on the application. Any person may request or petition for a public hearing with respect to the application. A public hearing may be held if DEP determines that there is significant public interest in holding a hearing. If a hearing is held, notice of the hearing will be published in the *Pennsylvania Bulletin* at least 30 days prior to the hearing and in at least one newspaper of general circulation within the geographical area of the discharge.

| Approve | Deny | Signatures  | Date         |
|---------|------|---|--------------|
| x       |      | Aaron Baar<br>Aaron Baar / Project Manager                              | May 17, 2025 |
| X       |      | Adam Olesnanik<br>Adam Olesnanik, P.E. / Environmental Engineer Manager | May 22, 2025 |

| Discharge, Receiving Waters and Water Supply Information |   |  |                         |
|--|---|--|-------------------------|
| Outfall No.  | 001   | Design Flow (MGD)                                | .0042                   |
| Latitude   | 40° 39' 46.40"  | Longitude  | -79° 11' 59.02"         |
| Quad Name  |   | Quad Code  |                         |
| Wastewater Description:                                  | Sewage Effluent   |  |                         |
| Receiving Waters   | Fulton Run (CWF)  | Stream Code                                      | 46769                   |
| NHD Com ID   | 123858690   | RMI  | 0.7000                  |
| Drainage Area  | 3.87 mi <sup>2</sup>                                      | Yield (cfs/mi <sup>2</sup> )                     | 0.045                   |
| Q <sub>7-10</sub> Flow (cfs)                             | 0.174   | Q <sub>7-10</sub> Basis                          | USGS StreamStats        |
| Elevation (ft)   | 1052.57   | Slope (ft/ft)                                    |                         |
| Watershed No.  | 17-E  | Chapter 93 Class.                                | CWF                     |
| Existing Use   |   | Existing Use Qualifier                           |                         |
| Exceptions to Use  |   | Exceptions to Criteria                           |                         |
| Assessment Status  | Attaining Use(s) – Downstream impairment of Crooked Creek |  |                         |
| Cause(s) of Impairment                                   | Crooked Creek: Nutrients, Organic Enrichment/Low D.O.     |  |                         |
| Source(s) of Impairment                                  | Crooked Creek: Agriculture                                |  |                         |
| TMDL Status  | Final   | Name   | Crooked Creek Watershed |
| Background/Ambient Data                                  |   | Data Source                                      |                         |
| pH (SU)  | 7.0   | Assumed, default value                           |                         |
| Temperature (°C)   | 20  | CWF, default value                               |                         |
| Hardness (mg/L)  | N/A   | N/A  |                         |
| Other: Ammonia (mg/L)                                    | 0.1   | Assumed, default value                           |                         |
| Nearest Downstream Public Water Supply Intake            |   | Buffalo Township Municipal Authority at Freeport |                         |
| PWS Waters   | Allegheny River   | Flow at Intake (cfs)                             | 2,390                   |
| PWS RMI  | 29.4  | Distance from Outfall (mi)                       | ~50                     |

#### Drainage Area

The discharge is to Fulton Run at RMI 0.7. A drainage area upstream of the discharge is determined to be 3.87 sq.mi. according to USGS PA StreamStats available at <https://streamstats.usgs.gov/ss/>.

#### Stream Flow

According to StreamStats, the watershed has a Q<sub>7-10</sub> of 0.174 cfs and a Q<sub>30-10</sub> of 0.25 cfs. This information was used to obtain a Low Flow Yield (LFY), a chronic Q<sub>30-10</sub>:Q<sub>7-10</sub> ratio and acute (Q<sub>1-10</sub>) exposure stream flows for the discharge point as follows (Guidance No. 391-2000-023).

$$\begin{aligned}
 Q_{7-10} &= 0.174 \text{ cfs} \\
 Q_{30-10} &= 0.25 \text{ cfs} \\
 Q_{1-10} &= 0.64 * 0.174 \text{ cfs} = 0.1114 \text{ cfs} \\
 Q_{30-10}:Q_{7-10} &= 0.25 \text{ cfs} / 0.174 \text{ cfs} = 1.4368 \\
 \text{LFY} &= 0.174 \text{ cfs} / 3.87 \text{ mi}^2 = 0.0450 \text{ cfs/mi}^2
 \end{aligned}$$

The calculated LFY in this renewal is identical to the one used in the existing permit.

*Fulton Run*

25 Pa Code §93.9 classifies the receiving water, Fulton Run, with a Cold Water Fishery (CWF) Existing Use designation. Effluent limits for this discharge have been developed to ensure that existing in-stream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. The discharge is in a stream segment listed as attaining uses.

*Local Watershed Total Maximum Daily Loads (TMDLs)*

According to PA's 2024 integrated water quality monitoring and assessment report, Fulton Run in the vicinity of the proposed point of discharge is currently assessed for aquatic life; the most recent assessment found aquatic life in the waterway to be supported. The waterway is listed as Category 2 in the 2024 integrated report, indicating that some but not all uses are met. The assessment status of the remaining uses may be unknown because data are insufficient to assess the water, or it may be impaired.

There is an existing TMDL for the downstream Crooked Creek Watershed to address use impairments caused by suspended solids. In March 2019, 384 lb/yr was moved from the bulk reserve to the non-mining WLA to account for the issuance of PA0272060 to White Township Municipal Authority.

*Public Water Supply Intake*

The nearest downstream public water supply intake is the Buffalo Township Municipal Authority at Freeport intake, located on the Allegheny River approximately 50 miles from the point of discharge. Considering the nature of the discharge and distance, the discharge is not expected to impact the water supply.

*Class A Wild Trout Streams*

The receiving stream is not a Class A Wild Trout stream; therefore, no Class A Wild Trout Fishery is impacted by this discharge.

| Treatment Facility Summary  |                            |                               |                     |                        |
|---|----------------------------|-------------------------------|---------------------|------------------------|
| <b>Treatment Facility Name:</b> White Township Municipal Authority Fulton Run STP |                            |                               |                     |                        |
| <b>WQM Permit No.</b>   | <b>Issuance Date</b>       |                               |                     |                        |
| Waste Type  | Degree of Treatment        | Process Type                  | Disinfection        | Avg Annual Flow (MGD)  |
| Sewage  | Tertiary                   | Orenco Membrane Filter System | Ultraviolet         | 0.0042                 |
| Hydraulic Capacity (MGD)  | Organic Capacity (lbs/day) | Load Status                   | Biosolids Treatment | Biosolids Use/Disposal |
| 0.0042  |                            | Not Overloaded                |                     |                        |

WTMA operates and owns the wastewater treatment facility located on Fulton Lane (White Township, Indiana County). The facility only serves a portion of White Township (14 current residences; 24 residences at max build-out). With an annual average design flow and hydraulic design capacity of 0.0042 MGD, the treatment process is configured as follows:

Septic Tank Effluent Pumping (STEP → UV disinfection → Outfall 001

The facility adds soda ash for pH control. Solids handling is not described in the renewal application.

| <b>Compliance History</b>      |   |
|--------------------------------|---|
| <b>Summary of DMRs:</b>        | DMR results for the past year are presented below.  |
| <b>Summary of Inspections:</b> | Since the last renewal of the facility's NPDES permit, the following inspections have been logged:<br><br>November 18, 2021: A routine CEI was conducted by Clinton Stonesifer. No violations were noted. A recommendation to, "Consider longterm implications of ownership and operation of septic tanks and pumps," was made. |

Other Comments: As of April 27, 2025, there are no open violations associated with this facility.

Existing Effluent Limitations and Monitoring Requirements

| Parameter                                     | Effluent Limitations                |                  |                       |                     |         |                  | Monitoring Requirements                         |                      |
|---|-------------------------------------|------------------|-----------------------|---------------------|---------|------------------|---|----------------------|
|   | Mass Units (lbs/day) <sup>(1)</sup> |                  | Concentrations (mg/L) |                     |         |                  | Minimum <sup>(2)</sup><br>Measurement Frequency | Required Sample Type |
|   | Average Monthly                     | Average Weekly   | Minimum               | Average Monthly     | Maximum | Instant. Maximum |   |                      |
| Flow (MGD)                                    | Report                              | Report Daily Max | XXX                   | XXX                 | XXX     | XXX              | 1/week  | Measured             |
| pH (S.U.)                                     | XXX                                 | XXX              | 6.0<br>Inst Min       | XXX                 | XXX     | 9.0              | 1/day   | Grab                 |
| DO  | XXX                                 | XXX              | 4.0<br>Inst Min       | XXX                 | XXX     | XXX              | 1/day   | Grab                 |
| CBOD5   | 0.9                                 | XXX              | XXX                   | 25.0                | XXX     | 50               | 2/month   | Grab                 |
| BOD5<br>Raw Sewage Influent                   | Report                              | XXX              | XXX                   | Report              | XXX     | XXX              | 2/month   | Grab                 |
| TSS   | 1.1                                 | XXX              | XXX                   | 30.0                | XXX     | 60               | 2/month   | Grab                 |
| TSS<br>Raw Sewage Influent                    | Report                              | XXX              | XXX                   | Report              | XXX     | XXX              | 2/month   | Grab                 |
| Fecal Coliform (No./100 ml)<br>Oct 1 - Apr 30 | XXX                                 | XXX              | XXX                   | 2000<br>Geo Mean    | XXX     | 10000            | 2/month   | Grab                 |
| Fecal Coliform (No./100 ml)<br>May 1 - Sep 30 | XXX                                 | XXX              | XXX                   | 200<br>Geo Mean     | XXX     | 1000             | 2/month   | Grab                 |
| Total Nitrogen                                | XXX                                 | XXX              | XXX                   | Report<br>Avg Qrtly | XXX     | XXX              | 1/quarter                                       | Grab                 |
| Ammonia<br>Nov 1 - Apr 30                     | Report                              | XXX              | XXX                   | Report              | XXX     | XXX              | 2/month   | Grab                 |
| Ammonia<br>May 1 - Oct 31                     | 0.9                                 | XXX              | XXX                   | 25.0                | XXX     | 50               | 2/month   | Grab                 |
| Total Phosphorus                              | XXX                                 | XXX              | XXX                   | Report<br>Avg Qrtly | XXX     | XXX              | 1/quarter                                       | Grab                 |
| UV Dosage (mjoules/cm <sup>2</sup> )          | XXX                                 | XXX              | XXX                   | Report              | XXX     | XXX              | 1/day   | Measured             |

Compliance Sampling Location: Outfall 001

Compliance History

DMR Data for Outfall 001 (from March 1, 2024 to February 28, 2025)

| Parameter   | FEB-25 | JAN-25  | DEC-24       | NOV-24       | OCT-24       | SEP-24       | AUG-24 | JUL-24       | JUN-24       | MAY-24  | APR-24       | MAR-24       |
|---|--------|---------|--------------|--------------|--------------|--------------|--------|--------------|--------------|---------|--------------|--------------|
| Flow (MGD)<br>Average Monthly                                     | 848    | 731     | 0.00075<br>5 | 0.00066<br>8 | 0.00065<br>9 | 0.00063<br>6 | 625    | 0.00061<br>8 | 0.00066<br>0 | 1118    | 0.00123<br>1 | 0.00111<br>2 |
| Flow (MGD)<br>Daily Maximum                                       | 1055   | 1064    | 0.00125<br>0 | 0.00102<br>3 | 0.00102<br>9 | 0.00128<br>9 | 956    | 0.00088<br>2 | 0.00115<br>1 | 1471    | 0.00155<br>8 | 0.00141<br>3 |
| pH (S.U.)<br>Instantaneous<br>Minimum                             | 5.0    | 5.0     | 6.8          | 6.9          | 6.9          | 6.7          | 6.8    | 6.5          | 6.5          | 6.4     | 6.2          | 6.5          |
| pH (S.U.)<br>Instantaneous<br>Maximum                             | 6.0    | 9.4     | 8.0          | 7.7          | 7.9          | 7.7          | 7.7    | 8.1          | 7.8          | 8.6     | 7.8          | 7.8          |
| DO (mg/L)<br>Instantaneous<br>Minimum                             | 6.0    | 4.1     | 4.8          | 5.0          | 4.2          | 4.3          | 4.1    | 4.5          | 4.0          | 2.3     | 2.6          | 4.2          |
| CBOD5 (lbs/day)<br>Average Monthly                                | 0.021  | < 0.014 | < 0.011      | < 0.012      | < 0.008      | < 0.009      | < 0.04 | < 0.004      | 0.03         | < 0.045 | < 0.06       | < 0.019      |
| CBOD5 (mg/L)<br>Average Monthly                                   | 2.89   | < 2.62  | < 2.0        | < 2.0        | < 2.0        | < 2.0        | < 8.1  | < 2.0        | 4.75         | < 6.6   | < 5.5        | < 2.59       |
| BOD5 (lbs/day)<br>Raw Sewage Influent<br><br/> Average<br>Monthly | 0.25   | 0.16    | 0.19         | 0.10         | 0.05         | 0.06         | 0.09   | 0.05         | 0.30         | 0.48    | 0.93         | 0.42         |
| BOD5 (mg/L)<br>Raw Sewage Influent<br><br/> Average<br>Monthly    | 34.0   | 29.0    | 35.9         | 17.5         | 12.8         | 14.8         | 15.9   | 24.9         | 52.1         | 64.0    | 82.8         | 57.5         |
| TSS (lbs/day)<br>Average Monthly                                  | < 0.04 | < 0.03  | < 0.03       | < 0.03       | < 0.02       | < 0.02       | < 0.03 | 0.02         | 0.05         | 0.08    | 0.09         | < 0.04       |
| TSS (lbs/day)<br>Raw Sewage Influent<br><br/> Average<br>Monthly  | 0.13   | 0.17    | 0.11         | 0.08         | 0.08         | 0.07         | 0.14   | 0.04         | 0.15         | 0.41    | 0.23         | 0.16         |
| TSS (mg/L)<br>Average Monthly                                     | < 5.0  | < 5.0   | < 5.0        | < 5.0        | < 5.0        | < 5.0        | < 5.0  | 8.0          | 8.5          | 10.5    | 8.0          | < 5.5        |
| TSS (mg/L)<br>Raw Sewage Influent<br><br/> Average<br>Monthly     | 17.0   | 33.0    | 20.0         | 14.0         | 19.0         | 16.0         | 28.0   | 20.0         | 26.5         | 50.0    | 20.0         | 22.0         |

NPDES Permit Fact Sheet  
White Township Municipal Authority Fulton Run STP

NPDES Permit No. PA0272060

|  |        |       |        |          |          |          |         |         |       |       |         |         |
|--|--------|-------|--------|----------|----------|----------|---------|---------|-------|-------|---------|---------|
| Fecal Coliform<br>(No./100 ml)<br>Geometric Mean           | < 1.0  | < 1.0 | < 1.0  | < 1.0    | < 1.0    | < 1.0    | < 4.8   | < 1.0   | < 1.0 | 1.0   | < 1.0   | < 1.0   |
| Fecal Coliform<br>(No./100 ml)<br>Instantaneous<br>Maximum | < 1.0  | < 1.0 | < 1.0  | < 1.0    | < 1.0    | < 1.0    | 23      | < 1.0   | < 1.0 | 1.0   | < 1.0   | < 1.0   |
| Total Nitrogen (mg/L)<br>Average Quarterly                 |        |       | 48.9   |          |          | 46.5     |         |         | 6.9   |       |         | 61.3    |
| Ammonia (lbs/day)<br>Average Monthly                       | 0.1824 | 0.040 | 0.0034 | < 0.0006 | < 0.0004 | < 0.0004 | < 0.002 | < 0.001 | 0.002 | 0.009 | < 0.009 | < 0.004 |
| Ammonia (mg/L)<br>Average Monthly                          | 24.800 | 7.280 | 0.583  | < 0.102  | < 0.100  | < 0.100  | < 0.351 | < 0.400 | 0.318 | 1.136 | < 0.790 | < 0.542 |
| Total Phosphorus<br>(mg/L)<br>Average Quarterly            |        |       | 12.1   |          |          | 5.5      |         |         | 1.96  |       |         | 3.2     |
| UV Dosage<br>(mjoules/cm <sup>2</sup> )<br>Average Monthly | 42.8   | 43.3  | 41.6   | 39.0     | 38.4     | 41.9     | 38.4    | 35.9    | 36.1  | 60.4  | 45.6    | 38.3    |

### Compliance History

#### Effluent Violations for Outfall 001, from: April 1, 2024 To: February 28, 2025

| Parameter | Date     | SBC      | DMR Value | Units | Limit Value | Units |
|-----------|----------|----------|-----------|-------|-------------|-------|
| pH        | 02/28/25 | Inst Min | 5.0       | S.U.  | 6.0         | S.U.  |
| pH        | 01/31/25 | Inst Min | 5.0       | S.U.  | 6.0         | S.U.  |
| pH        | 01/31/25 | IMAX     | 9.4       | S.U.  | 9.0         | S.U.  |
| DO        | 05/31/24 | Inst Min | 2.3       | mg/L  | 4.0         | mg/L  |
| DO        | 04/30/24 | Inst Min | 2.6       | mg/L  | 4.0         | mg/L  |

Other Comments: No cause for the violations above are noted in the associated Non-Compliance forms. NWRO Operations will determine if further action is needed or not.

**Development of Effluent Limitations**

Outfall No. 001  
Latitude 40° 39' 46.68"  
Wastewater Description: Sewage Effluent

Design Flow (MGD) .0042  
Longitude -79° 11' 59.83"

**Technology-Based Limitations**

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

| Pollutant                    | Limit (mg/l)    | SBC             | Federal Regulation | State Regulation |
|------------------------------|-----------------|-----------------|--------------------|------------------|
| CBOD <sub>5</sub>            | 25              | Average Monthly | 133.102(a)(4)(i)   | 92a.47(a)(1)     |
|                              | 40              | Average Weekly  | 133.102(a)(4)(ii)  | 92a.47(a)(2)     |
| Total Suspended Solids       | 30              | Average Monthly | 133.102(b)(1)      | 92a.47(a)(1)     |
|                              | 45              | Average Weekly  | 133.102(b)(2)      | 92a.47(a)(2)     |
| pH                           | 6.0 – 9.0 S.U.  | Min – Max       | 133.102(c)         | 95.2(1)          |
| Fecal Coliform (5/1 – 9/30)  | 200 / 100 ml    | Geo Mean        | -                  | 92a.47(a)(4)     |
| Fecal Coliform (5/1 – 9/30)  | 1,000 / 100 ml  | IMAX            | -                  | 92a.47(a)(4)     |
| Fecal Coliform (10/1 – 4/30) | 2,000 / 100 ml  | Geo Mean        | -                  | 92a.47(a)(5)     |
| Fecal Coliform (10/1 – 4/30) | 10,000 / 100 ml | IMAX            | -                  | 92a.47(a)(5)     |
| Total Residual Chlorine      | 0.5             | Average Monthly | -                  | 92a.48(b)(2)     |

Comments: These standards apply, subject to water quality analysis and BPJ where applicable.

**Water Quality-Based Limitations**

***CBOD<sub>5</sub>, NH<sub>3</sub>-N and Dissolved Oxygen (DO)***

WQM 7.0 version 1.0b is a water quality model designed to assist DEP to determine appropriate permit requirements for CBOD<sub>5</sub>, NH<sub>3</sub>-N and DO. DEP's guidance no. 391-2000-007 provides the technical methods contained in WQM 7.0 for conducting wasteload allocation and for determining recommended NPDES effluent limits for point source discharges. The model was utilized using data derived by USGS StreamStats and the model output indicated that existing WQBELs for ammonia and CBOD<sub>5</sub> are still protective of water quality

The model also determined that the facility's existing DO limit of 4 mg/L is still protective of water quality.

See attached for model inputs and outputs.

**Toxics**

DEP's NPDES permit application for minor sewages (less than 0.1 MGD) does not require sampling for heavy metals including Total Copper, Total Lead, and Total Zinc.

***E. Coli Monitoring***

In conformity with the Department's *Establishing Effluent Limitations for Individual Sewage Permits* (SOP No. BCW-PMT-033) and as authorized by § 92a.61 of the PA Code, annual E. Coli monitoring has been proposed in this permit. The collection method will be via grab sample.

### **Best Professional Judgment (BPJ) Limitations**

#### *Ultraviolet Disinfection*

The existing UV system is equipped with a dosage sensor; therefore, UV dosage is proposed to be continued as the monitoring parameter for the UV system.

#### *Total Phosphorus & Total Nitrogen*

DEP's SOP no. BPNPSM-PMT-033 (Establishing Effluent Limitations for Individual Sewage Permits) recommends monitoring requirements for Total Phosphorus and Total Nitrogen for all sewage facilities. Therefore, routine monitoring for Total Phosphorus and Total Nitrogen are recommended to be continued in this permit. Sampling frequency for is currently required 1/quarter, which is consistent with Table 6.3 in Guidance Doc. 362-0400-001. No change is proposed.

### **Additional Considerations**

#### *Flow Monitoring*

The requirement to monitor the volume of effluent will remain in the draft permit per 40 CFR § 122.44(i)(1)(ii).

#### *Monitoring Frequency and Sample Type*

Unless discussed otherwise above, the permit's monitoring frequency and sample type for all parameters will remain unchanged from the last permit renewal.

#### *Antidegradation Requirements*

All effluent limitations and monitoring requirements have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected.

#### *Anti-backsliding Requirement*

All effluent limits proposed in this fact sheet are as stringent as effluent limits specified in the existing permit renewal unless noted otherwise above. This approach is in accordance with 40 CFR §122.44(l)(1).

#### *Annual Fees*

An annual fee clause is continued in the permit in accordance with 25 Pa. Code § 92a.62. The facility covered by the permit is classified in the Minor Sewage Facility <0.05 MGD fee category, which has an annual fee of \$500.

#### *Mass Loading Limitations*

Unless stated otherwise in this fact sheet, mass loading effluent limits are calculated based on the formula: design flow (average annual) (MGD) x concentration limit (mg/L) at design flow x conversion factor (8.34).

**Proposed Effluent Limitations and Monitoring Requirements**

The limitations and monitoring requirements specified below are proposed for the draft permit, and reflect the most stringent limitations amongst technology, water quality and BPJ. Instantaneous Maximum (IMAX) limits are determined using multipliers of 2 (conventional pollutants) or 2.5 (toxic pollutants). Sample frequencies and types are derived from the "NPDES Permit Writer's Manual" (386-0400-001), SOPs and/or BPJ.

**Outfall 001, Effective Period: Permit Effective Date through Permit Expiration Date.**

| Parameter                                     | Effluent Limitations                |                  |                       |                     |         |                  | Monitoring Requirements                         |                      |
|---|-------------------------------------|------------------|-----------------------|---------------------|---------|------------------|---|----------------------|
|   | Mass Units (lbs/day) <sup>(1)</sup> |                  | Concentrations (mg/L) |                     |         |                  | Minimum <sup>(2)</sup><br>Measurement Frequency | Required Sample Type |
|   | Average Monthly                     | Average Weekly   | Minimum               | Average Monthly     | Maximum | Instant. Maximum |   |                      |
| Flow (MGD)                                    | Report                              | Report Daily Max | XXX                   | XXX                 | XXX     | XXX              | 1/week  | Measured             |
| pH (S.U.)                                     | XXX                                 | XXX              | 6.0<br>Inst Min       | XXX                 | XXX     | 9.0              | 1/day   | Grab                 |
| DO  | XXX                                 | XXX              | 4.0<br>Inst Min       | XXX                 | XXX     | XXX              | 1/day   | Grab                 |
| CBOD5   | 0.9                                 | XXX              | XXX                   | 25.0                | XXX     | 50               | 2/month   | Grab                 |
| BOD5<br>Raw Sewage Influent                   | Report                              | XXX              | XXX                   | Report              | XXX     | XXX              | 2/month   | Grab                 |
| TSS<br>Raw Sewage Influent                    | Report                              | XXX              | XXX                   | Report              | XXX     | XXX              | 2/month   | Grab                 |
| TSS   | 1.1                                 | XXX              | XXX                   | 30.0                | XXX     | 60               | 2/month   | Grab                 |
| Fecal Coliform (No./100 ml)<br>Oct 1 - Apr 30 | XXX                                 | XXX              | XXX                   | 2000<br>Geo Mean    | XXX     | 10000            | 2/month   | Grab                 |
| Fecal Coliform (No./100 ml)<br>May 1 - Sep 30 | XXX                                 | XXX              | XXX                   | 200<br>Geo Mean     | XXX     | 1000             | 2/month   | Grab                 |
| E. Coli (No./100 ml)                          | XXX                                 | XXX              | XXX                   | XXX                 | XXX     | Report           | 1/year  | Grab                 |
| Total Nitrogen                                | XXX                                 | XXX              | XXX                   | Report<br>Avg Qrtly | XXX     | XXX              | 1/quarter                                       | Grab                 |
| Ammonia<br>Nov 1 - Apr 30                     | Report                              | XXX              | XXX                   | Report              | XXX     | XXX              | 2/month   | Grab                 |
| Ammonia<br>May 1 - Oct 31                     | 0.9                                 | XXX              | XXX                   | 25.0                | XXX     | 50               | 2/month   | Grab                 |
| Total Phosphorus                              | XXX                                 | XXX              | XXX                   | Report<br>Avg Qrtly | XXX     | XXX              | 1/quarter                                       | Grab                 |

Outfall 001 , Continued (from Permit Effective Date through Permit Expiration Date )

| Parameter                            | Effluent Limitations                |                |                       |                 |         |                  | Monitoring Requirements                         |                      |
|--------------------------------------|-------------------------------------|----------------|-----------------------|-----------------|---------|------------------|---|----------------------|
|                                      | Mass Units (lbs/day) <sup>(1)</sup> |                | Concentrations (mg/L) |                 |         |                  | Minimum <sup>(2)</sup><br>Measurement Frequency | Required Sample Type |
|                                      | Average Monthly                     | Average Weekly | Minimum               | Average Monthly | Maximum | Instant. Maximum |   |                      |
| UV Dosage (mjoules/cm <sup>2</sup> ) | XXX                                 | XXX            | XXX                   | Report          | XXX     | XXX              | 1/day   | Measured             |

Compliance Sampling Location: Outfall 001

| Tools and References Used to Develop Permit |  |
|---|--|
| <input checked="" type="checkbox"/>         | WQM for Windows Model (see Attachment █ )  |
| <input type="checkbox"/>                    | Toxics Management Spreadsheet (see Attachment █ )  |
| <input type="checkbox"/>                    | TRC Model Spreadsheet (see Attachment █ )  |
| <input type="checkbox"/>                    | Temperature Model Spreadsheet (see Attachment █ )  |
| <input type="checkbox"/>                    | Water Quality Toxics Management Strategy, 361-0100-003, 4/06.  |
| <input checked="" type="checkbox"/>         | Technical Guidance for the Development and Specification of Effluent Limitations, 386-0400-001, 10/97.   |
| <input type="checkbox"/>                    | Policy for Permitting Surface Water Diversions, 386-2000-019, 3/98.  |
| <input type="checkbox"/>                    | Policy for Conducting Technical Reviews of Minor NPDES Renewal Applications, 386-2000-018, 11/96.  |
| <input type="checkbox"/>                    | Technology-Based Control Requirements for Water Treatment Plant Wastes, 386-2183-001, 10/97.   |
| <input type="checkbox"/>                    | Technical Guidance for Development of NPDES Permit Requirements Steam Electric Industry, 386-2183-002, 12/97.  |
| <input type="checkbox"/>                    | Pennsylvania CSO Policy, 386-2000-002, 9/08.   |
| <input type="checkbox"/>                    | Water Quality Antidegradation Implementation Guidance, 391-0300-002, 11/03.  |
| <input type="checkbox"/>                    | Implementation Guidance Evaluation & Process Thermal Discharge (316(a)) Federal Water Pollution Act, 386-2000-008, 4/97.   |
| <input checked="" type="checkbox"/>         | Determining Water Quality-Based Effluent Limits, 386-2000-004, 12/97.  |
| <input type="checkbox"/>                    | Implementation Guidance Design Conditions, 386-2000-007, 9/97.   |
| <input type="checkbox"/>                    | Technical Reference Guide (TRG) WQM 7.0 for Windows, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen, Version 1.0, 386-2000-016, 6/2004.  |
| <input type="checkbox"/>                    | Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges, 386-2000-012, 10/1997.   |
| <input type="checkbox"/>                    | Implementation Guidance for Section 95.6 Management of Point Source Phosphorus Discharges to Lakes, Ponds, and Impoundments, 386-2000-009, 3/99.   |
| <input type="checkbox"/>                    | Technical Reference Guide (TRG) PENTOXSD for Windows, PA Single Discharge Wasteload Allocation Program for Toxics, Version 2.0, 386-2000-015, 5/2004.  |
| <input type="checkbox"/>                    | Implementation Guidance for Section 93.7 Ammonia Criteria, 386-2000-022, 11/97.  |
| <input type="checkbox"/>                    | Policy and Procedure for Evaluating Wastewater Discharges to Intermittent and Ephemeral Streams, Drainage Channels and Swales, and Storm Sewers, 386-2000-013, 4/2008.   |
| <input type="checkbox"/>                    | Implementation Guidance Total Residual Chlorine (TRC) Regulation, 386-2000-011, 11/1994.   |
| <input type="checkbox"/>                    | Implementation Guidance for Temperature Criteria, 386-2000-001, 4/09.  |
| <input type="checkbox"/>                    | Implementation Guidance for Section 95.9 Phosphorus Discharges to Free Flowing Streams, 386-2000-021, 10/97.   |
| <input type="checkbox"/>                    | Implementation Guidance for Application of Section 93.5(e) for Potable Water Supply Protection Total Dissolved Solids, Nitrite-Nitrate, Non-Priority Pollutant Phenolics and Fluorides, 386-2000-020, 10/97.       |
| <input type="checkbox"/>                    | Field Data Collection and Evaluation Protocol for Determining Stream and Point Source Discharge Design Hardness, 386-2000-005, 3/99.   |
| <input type="checkbox"/>                    | Implementation Guidance for the Determination and Use of Background/Ambient Water Quality in the Determination of Wasteload Allocations and NPDES Effluent Limitations for Toxic Substances, 386-2000-010, 3/1999. |
| <input type="checkbox"/>                    | Design Stream Flows, 386-2000-003, 9/98.   |
| <input type="checkbox"/>                    | Field Data Collection and Evaluation Protocol for Deriving Daily and Hourly Discharge Coefficients of Variation (CV) and Other Discharge Characteristics, 386-2000-006, 10/98.                                     |
| <input type="checkbox"/>                    | Evaluations of Phosphorus Discharges to Lakes, Ponds and Impoundments, 386-3200-001, 6/97.   |
| <input type="checkbox"/>                    | Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.   |
| <input type="checkbox"/>                    | SOP: █   |
| <input type="checkbox"/>                    | Other: █   |

NPDES Permit Fact Sheet  
White Township Municipal Authority Fulton Run STP

NPDES Permit No. PA0272060



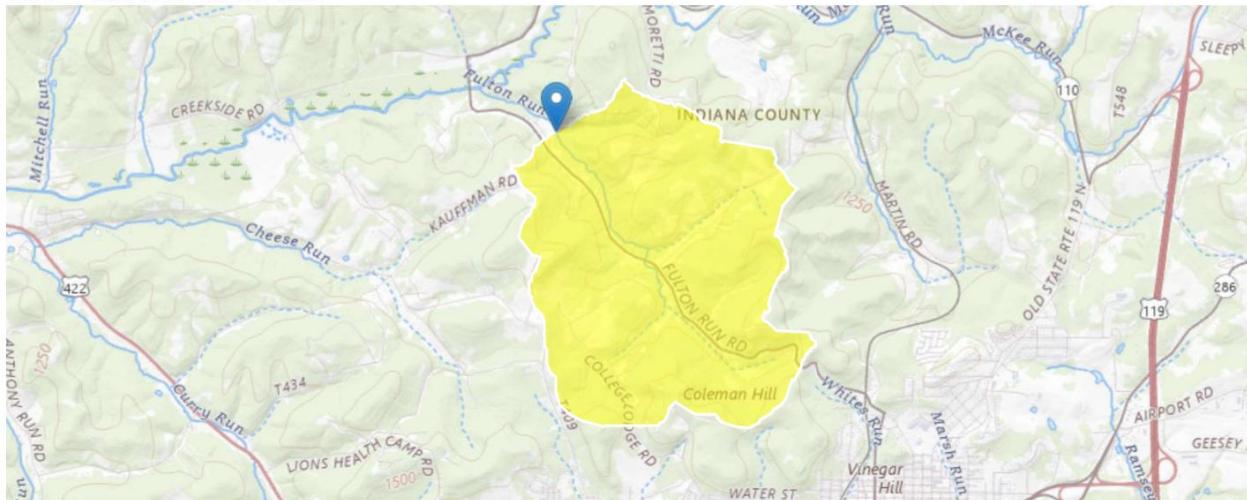
## StreamStats Report

Region ID: PA

Workspace ID: PA20250427170657507000

Clicked Point (Latitude, Longitude): 40.66319, -79.19990

Time: 2025-04-27 13:07:22 -0400



[Collapse All](#)

### » Basin Characteristics

| Parameter Code | Parameter Description                   | Value | Unit         |
|----------------|---|-------|--------------|
| DRNAREA        | Area that drains to a point on a stream | 3.87  | square miles |
| ELEV           | Mean Basin Elevation                    | 1326  | feet         |
| PRECIP         | Mean Annual Precipitation               | 45    | inches       |

### » Low-Flow Statistics

#### Low-Flow Statistics Parameters [Low Flow Region 3]

| Parameter Code | Parameter Name            | Value | Units        | Min Limit | Max Limit |
|----------------|---------------------------|-------|--------------|-----------|-----------|
| DRNAREA        | Drainage Area             | 3.87  | square miles | 2.33      | 1720      |
| ELEV           | Mean Basin Elevation      | 1326  | feet         | 898       | 2700      |
| PRECIP         | Mean Annual Precipitation | 45    | inches       | 38.7      | 47.9      |

#### Low-Flow Statistics Flow Report [Low Flow Region 3]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR<sup>2</sup>: Pseudo R Squared (other -- see report)

| Statistic               | Value | Unit               | SE | ASEp |
|-------------------------|-------|--------------------|----|------|
| 7 Day 2 Year Low Flow   | 0.393 | ft <sup>3</sup> /s | 43 | 43   |
| 30 Day 2 Year Low Flow  | 0.585 | ft <sup>3</sup> /s | 38 | 38   |
| 7 Day 10 Year Low Flow  | 0.174 | ft <sup>3</sup> /s | 54 | 54   |
| 30 Day 10 Year Low Flow | 0.25  | ft <sup>3</sup> /s | 49 | 49   |

| Statistic               | Value | Unit   | SE | ASEp |
|-------------------------|-------|--------|----|------|
| 90 Day 10 Year Low Flow | 0.369 | ft^3/s | 41 | 41   |

*Low-Flow Statistics Citations*

**Stuckey, M.H.,2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)**

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Application Version: 4.28.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1

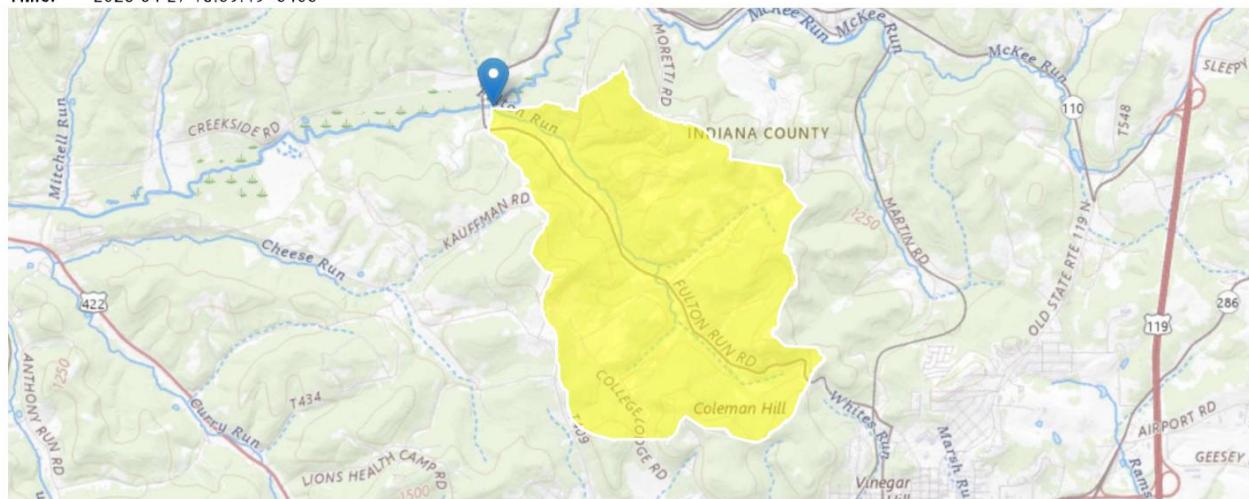
## StreamStats Report

Region ID: PA

Workspace ID: PA20250427170926455000

Clicked Point (Latitude, Longitude): 40.66773, -79.21040

Time: 2025-04-27 13:09:49 -0400



[Collapse All](#)

### ► Basin Characteristics

| Parameter Code | Parameter Description                   | Value | Unit         |
|----------------|---|-------|--------------|
| DRNAREA        | Area that drains to a point on a stream | 4.25  | square miles |
| ELEV           | Mean Basin Elevation                    | 1314  | feet         |
| PRECIP         | Mean Annual Precipitation               | 45    | inches       |

### ► Low-Flow Statistics

#### Low-Flow Statistics Parameters [Low Flow Region 3]

| Parameter Code | Parameter Name            | Value | Units        | Min Limit | Max Limit |
|----------------|---------------------------|-------|--------------|-----------|-----------|
| DRNAREA        | Drainage Area             | 4.25  | square miles | 2.33      | 1720      |
| ELEV           | Mean Basin Elevation      | 1314  | feet         | 898       | 2700      |
| PRECIP         | Mean Annual Precipitation | 45    | inches       | 38.7      | 47.9      |

#### Low-Flow Statistics Flow Report [Low Flow Region 3]

PIL: Lower 90% Prediction Interval, PIU: Upper 90% Prediction Interval, ASEp: Average Standard Error of Prediction, SE: Standard Error, PC: Percent Correct, RMSE: Root Mean Squared Error, PseudoR<sup>2</sup>: Pseudo R Squared (other -- see report)

| Statistic               | Value | Unit               | SE | ASEp |
|-------------------------|-------|--------------------|----|------|
| 7 Day 2 Year Low Flow   | 0.43  | ft <sup>3</sup> /s | 43 | 43   |
| 30 Day 2 Year Low Flow  | 0.639 | ft <sup>3</sup> /s | 38 | 38   |
| 7 Day 10 Year Low Flow  | 0.19  | ft <sup>3</sup> /s | 54 | 54   |
| 30 Day 10 Year Low Flow | 0.275 | ft <sup>3</sup> /s | 49 | 49   |

| Statistic               | Value | Unit               | SE | ASEp |
|-------------------------|-------|--------------------|----|------|
| 90 Day 10 Year Low Flow | 0.404 | ft <sup>3</sup> /s | 41 | 41   |

*Low-Flow Statistics Citations*

**Stuckey, M.H., 2006, Low-flow, base-flow, and mean-flow regression equations for Pennsylvania streams: U.S. Geological Survey Scientific Investigations Report 2006-5130, 84 p. (<http://pubs.usgs.gov/sir/2006/5130/>)**

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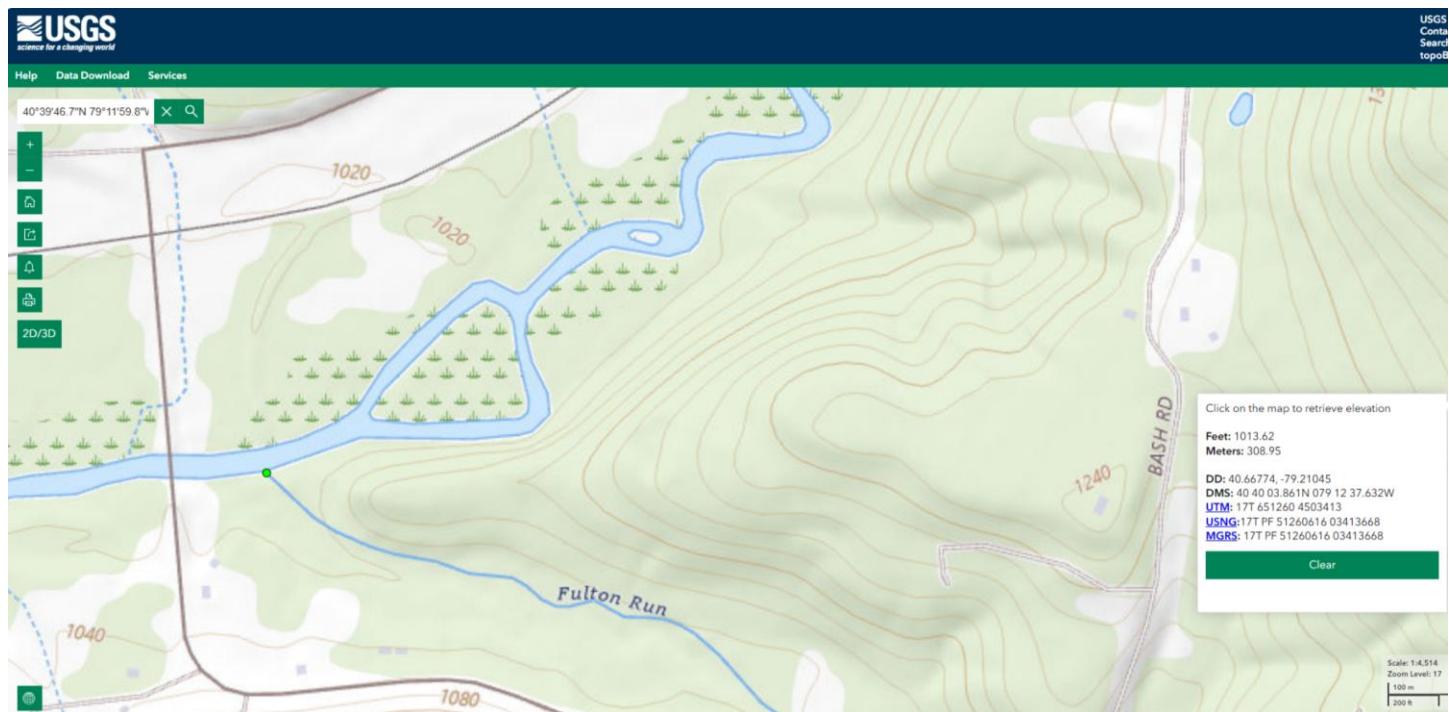
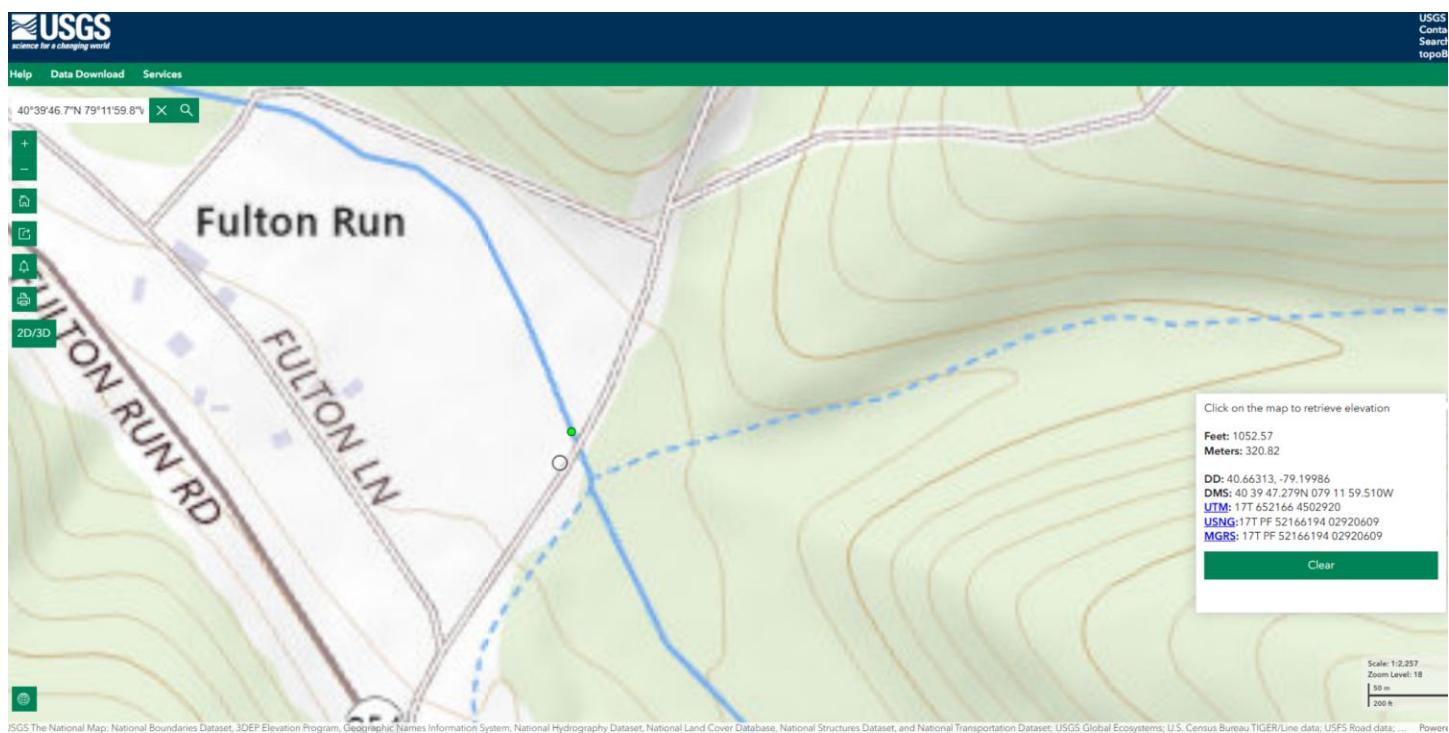
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Application Version: 4.28.1

StreamStats Services Version: 1.2.22

NSS Services Version: 2.2.1



**WQM 7.0 Effluent Limits**

| <b><u>SWP Basin</u></b> | <b><u>Stream Code</u></b> | <b><u>Stream Name</u></b> |                 |                  |                                |                            |                            |
|-------------------------|---------------------------|---------------------------|-----------------|------------------|--------------------------------|----------------------------|----------------------------|
| <b>17E</b>              | <b>46769</b>              | <b>FULTON RUN</b>         |                 |                  |                                |                            |                            |
| RMI                     | Name                      | Permit Number             | Disc Flow (mgd) | Parameter        | Effl. Limit 30-day Ave. (mg/L) | Effl. Limit Maximum (mg/L) | Effl. Limit Minimum (mg/L) |
| 0.700                   | Fulton Run STP            | PA0272060                 | 0.004           | CBOD5            | 25                             |                            |                            |
|                         |                           |                           |                 | NH3-N            | 25                             | 50                         |                            |
|                         |                           |                           |                 | Dissolved Oxygen |                                |                            | 4                          |

### WQM 7.0 Wasteload Allocations

| <u>SWP Basin</u>                    |                | <u>Stream Code</u>        | <u>Stream Name</u>  |                           |                     |                         |                   |
|-------------------------------------|----------------|---------------------------|---------------------|---------------------------|---------------------|-------------------------|-------------------|
| 17E                                 | 46769          | FULTON RUN                |                     |                           |                     |                         |                   |
| <b>NH3-N Acute Allocations</b>      |                |                           |                     |                           |                     |                         |                   |
| RMI                                 | Discharge Name | Baseline Criterion (mg/L) | Baseline WLA (mg/L) | Multiple Criterion (mg/L) | Multiple WLA (mg/L) | Critical Reach          | Percent Reduction |
| 0.700                               | Fulton Run STP | 16.37                     | 50                  | 16.37                     | 50                  | 0                       | 0                 |
| <b>NH3-N Chronic Allocations</b>    |                |                           |                     |                           |                     |                         |                   |
| RMI                                 | Discharge Name | Baseline Criterion (mg/L) | Baseline WLA (mg/L) | Multiple Criterion (mg/L) | Multiple WLA (mg/L) | Critical Reach          | Percent Reduction |
| 0.700                               | Fulton Run STP | 1.87                      | 25                  | 1.87                      | 25                  | 0                       | 0                 |
| <b>Dissolved Oxygen Allocations</b> |                |                           |                     |                           |                     |                         |                   |
| RMI                                 | Discharge Name | <u>CBOD5</u>              |                     | <u>NH3-N</u>              |                     | <u>Dissolved Oxygen</u> |                   |
|                                     |                | Baseline (mg/L)           | Multiple (mg/L)     | Baseline (mg/L)           | Multiple (mg/L)     | Baseline (mg/L)         | Multiple (mg/L)   |
| 0.70                                | Fulton Run STP | 25                        | 25                  | 25                        | 25                  | 4                       | 4                 |
|                                     |                |                           |                     |                           |                     | 0                       | 0                 |

**WQM 7.0 D.O.Simulation**

| <u>SWP Basin</u>                | <u>Stream Code</u>                | <u>Stream Name</u>        |                             |                |
|---------------------------------|-----------------------------------|---------------------------|-----------------------------|----------------|
| 17E                             | 46769                             | FULTON RUN                |                             |                |
| <u>RMI</u>                      | <u>Total Discharge Flow (mgd)</u> | Analysis Temperature (°C) | Analysis pH                 |                |
| 0.700                           | 0.004                             | 20.184                    | 7.000                       |                |
| <u>Reach Width (ft)</u>         | <u>Reach Depth (ft)</u>           | <u>Reach WDRatio</u>      | <u>Reach Velocity (fps)</u> |                |
| 7.259                           | 0.387                             | 18.759                    | 0.063                       |                |
| <u>Reach CBOD5 (mg/L)</u>       | <u>Reach Kc (1/days)</u>          | <u>Reach NH3-N (mg/L)</u> | <u>Reach Kn (1/days)</u>    |                |
| 2.85                            | 0.340                             | 1.02                      | 0.710                       |                |
| <u>Reach DO (mg/L)</u>          | <u>Reach Kr (1/days)</u>          | <u>Kr Equation</u>        | <u>Reach DO Goal (mg/L)</u> |                |
| 8.087                           | 19.770                            | Owens                     | 6                           |                |
| <u>Reach Travel Time (days)</u> | <b>Subreach Results</b>           |                           |                             |                |
| 0.680                           | TravTime<br>(days)                | CBOD5<br>(mg/L)           | NH3-N<br>(mg/L)             | D.O.<br>(mg/L) |
|                                 | 0.068                             | 2.78                      | 0.97                        | 8.21           |
|                                 | 0.136                             | 2.72                      | 0.92                        | 8.21           |
|                                 | 0.204                             | 2.65                      | 0.88                        | 8.21           |
|                                 | 0.272                             | 2.59                      | 0.84                        | 8.21           |
|                                 | 0.340                             | 2.53                      | 0.80                        | 8.21           |
|                                 | 0.408                             | 2.48                      | 0.76                        | 8.21           |
|                                 | 0.476                             | 2.42                      | 0.73                        | 8.21           |
|                                 | 0.544                             | 2.36                      | 0.69                        | 8.21           |
|                                 | 0.612                             | 2.31                      | 0.66                        | 8.21           |
|                                 | 0.680                             | 2.26                      | 0.63                        | 8.21           |

## WQM 7.0 Modeling Specifications

|                    |        |                                     |                                     |
|--------------------|--------|-------------------------------------|-------------------------------------|
| Parameters         | Both   | Use Inputted Q1-10 and Q30-10 Flows | <input checked="" type="checkbox"/> |
| WLA Method         | EMPR   | Use Inputted W/D Ratio              | <input type="checkbox"/>            |
| Q1-10/Q7-10 Ratio  | 0.64   | Use Inputted Reach Travel Times     | <input type="checkbox"/>            |
| Q30-10/Q7-10 Ratio | 1.7935 | Temperature Adjust Kr               | <input checked="" type="checkbox"/> |
| D.O. Saturation    | 90.00% | Use Balanced Technology             | <input checked="" type="checkbox"/> |
| D.O. Goal          | 6      |                                     |                                     |

**WQM 7.0 Hydrodynamic Outputs**

| <u>SWP Basin</u>   |             |          | <u>Stream Code</u> |                    |             | <u>Stream Name</u> |       |           |          |                 |               |             |
|--------------------|-------------|----------|--------------------|--------------------|-------------|--------------------|-------|-----------|----------|-----------------|---------------|-------------|
| 17E                |             |          | 46769              |                    |             | FULTON RUN         |       |           |          |                 |               |             |
| RMI                | Stream Flow | PWS With | Net Stream Flow    | Disc Analysis Flow | Reach Slope | Depth              | Width | W/D Ratio | Velocity | Reach Trav Time | Analysis Temp | Analysis pH |
|                    | (cfs)       | (cfs)    | (cfs)              | (cfs)              | (ft/ft)     | (ft)               | (ft)  |           | (fps)    | (days)          | (°C)          |             |
| <b>Q7-10 Flow</b>  |             |          |                    |                    |             |                    |       |           |          |                 |               |             |
| 0.700              | 0.17        | 0.00     | 0.17               | .0065              | 0.01055     | .387               | 7.26  | 18.76     | 0.06     | 0.680           | 20.18         | 7.00        |
| <b>Q1-10 Flow</b>  |             |          |                    |                    |             |                    |       |           |          |                 |               |             |
| 0.700              | 0.11        | 0.00     | 0.11               | .0065              | 0.01055     | NA                 | NA    | NA        | 0.05     | 0.863           | 20.28         | 7.00        |
| <b>Q30-10 Flow</b> |             |          |                    |                    |             |                    |       |           |          |                 |               |             |
| 0.700              | 0.30        | 0.00     | 0.30               | .0065              | 0.01055     | NA                 | NA    | NA        | 0.09     | 0.495           | 20.10         | 7.00        |

## Input Data WQM 7.0

| SWP Basin  | Stream Code   | Stream Name        |                      |                             | RMI                          | Elevation (ft)            | Drainage Area (sq mi) | Slope (ft/ft)     | PWS Withdrawal (mgd)   | Apply FC                            |
|--|---------------|--------------------|----------------------|-----------------------------|------------------------------|---------------------------|-----------------------|-------------------|------------------------|-------------------------------------|
| 17E  | 46769         | FULTON RUN         |                      |                             | 0.700                        | 1052.57                   | 3.87                  | 0.00000           | 0.00                   | <input checked="" type="checkbox"/> |
| <b>Stream Data</b>   |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
| <b>Design Cond.</b>  | LFY<br>(cfsm) | Trib Flow<br>(cfs) | Stream Flow<br>(cfs) | Rch Trav Time<br>(days)     | Rch Velocity<br>(fps)        | WD Ratio<br>(ft)          | Rch Width<br>(ft)     | Rch Depth<br>(ft) | Tributary Temp<br>(°C) | Stream Temp<br>(°C)                 |
| <b>Q7-10</b> 0.000 0.17 0.00 0.000 0.000 0.0 0.00 0.00 20.00 7.00 0.00 0.00<br><b>Q1-10</b> 0.00 0.00 0.000 0.000<br><b>Q30-10</b> 0.00 0.00 0.000 0.000 |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
| <b>Discharge Data</b>  |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
|  |               | Name               | Permit Number        | Existing Disc Flow<br>(mgd) | Permitted Disc Flow<br>(mgd) | Design Disc Flow<br>(mgd) | Reserve Factor        | Disc Temp<br>(°C) | Disc pH                |                                     |
| Fulton Run STP   |               | PA0272060          |                      | 0.0042                      | 0.0042                       | 0.0042                    | 0.000                 | 25.00             | 7.00                   |                                     |
| <b>Parameter Data</b>  |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
|  |               |                    |                      | Disc Conc<br>(mg/L)         | Trib Conc<br>(mg/L)          | Stream Conc<br>(mg/L)     | Fate Coef<br>(1/days) |                   |                        |                                     |
| CBOD5  |               |                    |                      | 25.00                       | 2.00                         | 0.00                      | 1.50                  |                   |                        |                                     |
| Dissolved Oxygen   |               |                    |                      | 4.00                        | 8.24                         | 0.00                      | 0.00                  |                   |                        |                                     |
| NH3-N  |               |                    |                      | 25.00                       | 0.00                         | 0.10                      | 0.70                  |                   |                        |                                     |

## Input Data WQM 7.0

| SWP Basin  | Stream Code   | Stream Name        |                      |                             | RMI                          | Elevation (ft)            | Drainage Area (sq mi) | Slope (ft/ft)     | PWS Withdrawal (mgd)   | Apply FC                            |
|--|---------------|--------------------|----------------------|-----------------------------|------------------------------|---------------------------|-----------------------|-------------------|------------------------|-------------------------------------|
| 17E  | 46769         | FULTON RUN         |                      |                             | 0.001                        | 1013.62                   | 4.25                  | 0.00000           | 0.00                   | <input checked="" type="checkbox"/> |
| <b>Stream Data</b>   |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
| <b>Design Cond.</b>  | LFY<br>(cfsm) | Trib Flow<br>(cfs) | Stream Flow<br>(cfs) | Rch Trav Time<br>(days)     | Rch Velocity<br>(fps)        | WD Ratio<br>(ft)          | Rch Width<br>(ft)     | Rch Depth<br>(ft) | Tributary Temp<br>(°C) | Stream Temp<br>(°C)                 |
| <b>Q7-10</b> 0.000 0.19 0.00 0.000 0.000 0.0 0.00 0.00 20.00 7.00 0.00 0.00<br><b>Q1-10</b> 0.00 0.00 0.000 0.000<br><b>Q30-10</b> 0.00 0.00 0.000 0.000 |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
| <b>Discharge Data</b>  |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
|  |               | Name               | Permit Number        | Existing Disc Flow<br>(mgd) | Permitted Disc Flow<br>(mgd) | Design Disc Flow<br>(mgd) | Reserve Factor        | Disc Temp<br>(°C) | Disc pH                |                                     |
| 0.0000 0.0000 0.0000 0.000 0.00 7.00   |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
| <b>Parameter Data</b>  |               |                    |                      |                             |                              |                           |                       |                   |                        |                                     |
|  |               |                    | Parameter Name       | Disc Conc<br>(mg/L)         | Trib Conc<br>(mg/L)          | Stream Conc<br>(mg/L)     | Fate Coef<br>(1/days) |                   |                        |                                     |
| CBOD5<br>Dissolved Oxygen<br>NH3-N   |               |                    |                      | 25.00                       | 2.00                         | 0.00                      | 1.50                  |                   |                        |                                     |
|  |               |                    |                      | 3.00                        | 8.24                         | 0.00                      | 0.00                  |                   |                        |                                     |
|  |               |                    |                      | 25.00                       | 0.00                         | 0.00                      | 0.70                  |                   |                        |                                     |