

Application Type Renewal  
 Facility Type Non-Municipal  
 Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0032816  
 APS ID 1117337  
 Authorization ID 1491385

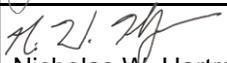
**Applicant and Facility Information**

Applicant Name	<u>PA DOT Bureau Of Project Delivery</u>	Facility Name	<u>PA DOT I 80 Rest Area 33 34 STP</u>
Applicant Address	<u>400 North Street 6th Floor</u> <u>Harrisburg, PA 17105</u>	Facility Address	<u>Rest Area # 33</u> <u>Lock Haven, PA 17745</u>
Applicant Contact	<u>Nicholaus Sahd</u>	Facility Contact	<u>Jonathan Boop</u>
Applicant Phone	<u>(717) 951-8685</u>	Facility Phone	<u>(570) 660-3722</u>
Client ID	<u>62162</u>	Site ID	<u>261905</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Greene Township</u>
Connection Status	<u>No Limitations</u>	County	<u>Clinton</u>
Date Application Received	<u>June 28, 2024</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>July 15, 2024</u>	If No, Reason	<u></u>
Purpose of Application	<u>Application for the renewal of the existing individual NPDES permit.</u>		

**Summary of Review**

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.

The Pennsylvania Department of Transportation owns and operates two rest stop facilities with a shared treatment plant in Greene Township, Clinton County.

Approve	Deny	Signatures	Date
X		 Jonathan P. Peterman / Project Manager	March 6, 2026
X		 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	March 9, 2026

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.032</u>
Latitude	<u>41° 3' 0.06"</u>	Longitude	<u>-77° 9' 23.00"</u>
Quad Name	<u>Carroll</u>	Quad Code	<u>1028</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Fishing Creek (HQ-CWF)</u>	Stream Code	<u>22416</u>
NHD Com ID	<u>67175460</u>	RMI	<u>40.7</u>
Drainage Area	<u>2.94</u>	Yield (cfs/mi <sup>2</sup> )	<u>0.1017</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.3</u>	Q <sub>7-10</sub> Basis	<u>Gage No. 1551500</u>
Elevation (ft)	<u>1,398</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>9-C</u>	Chapter 93 Class.	<u>HQ-CWF</u>
Existing Use	<u>HQ-CWF</u>	Existing Use Qualifier	<u>N/A</u>
Exceptions to Use	<u>None.</u>	Exceptions to Criteria	<u>None.</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u>N/A</u>		
Source(s) of Impairment	<u>N/A</u>		
TMDL Status	<u>N/A</u>	Name	<u>N/A</u>
Nearest Downstream Public Water Supply Intake	<u>PA American Water White Deer</u>		
PWS Waters	<u>West Branch of Susquehanna River</u>	Flow at Intake (cfs)	<u>682</u>
PWS RMI	<u>10.5</u>	Distance from Outfall (mi)	<u>105</u>

Changes Since Last Permit Issuance: In order to determine the Q<sub>7-10</sub> low flow for Fishing Creek, a comparative stream analysis was previously conducted and the results of which are attached in the Appendix. A comparative stream was determined by using a downstream stream gage (1551500) on the West Branch of the Susquehanna River. The analysis indicates that the Q<sub>7-10</sub> for Fishing Creek is 0.3 cfs. This estimation of Q<sub>7-10</sub> is seems appropriate given the known size of the receiving stream and is consistent with a previous Q<sub>7-10</sub> determination (0.33 cfs).

Other Comments: None.

**TMDL Impairment**

The Department's Geographic Information System (GIS) shows that Fishing Creek is not impaired and a TMDL doesn't exists for the stream segment. No further review is required.

**Chesapeake Bay Requirements**

Since this facility's annual average design flow is 0.032 MGD, the permittee will be required to monitor and report TN and TP throughout the permit term at a frequency no less than annually in accordance with the Phase II WIP Chesapeake Bay Strategy for Phase V facilities (0.002 MGD to 0.2 MGD) unless 1) the facility has already conducted at least two years of nutrient monitoring and 2) a summary of the monitoring results are included in the next permit's fact sheet. Monitoring for these parameters was conducted over the previous permit term and the yearly monitoring requirements for nutrients will be removed accordingly. No further monitoring is required at this time. The monitoring results are attached in the Appendix D.

**Anti-Backsliding**

In accordance with 40 CFR 122.44(l)(1) and (2), this permit does not contain effluent limitations, standards, or conditions that are less stringent than the previous permit.

**Biosolids Use/Disposal**

The facility's sludge (Approximately 2.10 dry tons) was disposed of at Tiadaghton Valley Municipal Authority (TVMA).

**Treatment Facility Summary**

**Treatment Facility Name:** PA DOT - Rest Area 33 & 34 - I-80

WQM Permit No.	Issuance Date	Comments
1872402	5/2/72	Initial construction.
1884404	11/28/84	Modifications including EQ.
1884404 A-1	5/13/20	Conveyance upgrades
1884404 A-2	4/18/24	New treatment plant.

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Tertiary	Extended Aeration With Solids Removal	Ultraviolet	0.013
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.013	-	Not Overloaded	-	Other WWTP

**Treatment System Components:**

-A new treatment plant that utilizes a Modified Ludzack – Ettinger (MLE) process is proposed. This treatment plant is comprised of A JWC Environmental Model 10002-0008 open-channel, a comminutor, a bypass manually cleaned bar screen, two (2) positive displacement, diaphragm type, soda ash chemical pumps, two (2) 8,475-gallon precast concrete equalizations tanks with diffused aeration systems, blowers and a level transfer pipe, two (2) 10,511-gallon anoxic tanks, two (2) 8,019-gallon aerations tanks, three (3) positive displacement aeration blowers rated at 86 scfm each (two service, one standby), and two (2) 2,100-gallon clarifiers, a tertiary filtration system, Enaqua Model M UV disinfection system with intensity meter, a 635-gallon post aeration tank with associated blower, a V-notch weir with ultrasonic level sensor, and an 8,475-gallon aerated sludge holding tank with associated blower.

Changes Since Last Permit Issuance: New plant.

Existing Effluent Limitations and Monitoring Requirements

Existing Limits

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Weir
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	Report Inst Min	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.02	XXX	XXX	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	XXX	XXX	XXX	10.0	XXX	20.0	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20.0	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab
Ammonia-Nitrogen Nov 1 - Apr 30	XXX	XXX	XXX	9.0	XXX	18.0	2/month	Grab
Ammonia-Nitrogen May 1 - Oct 31	XXX	XXX	XXX	3.0	XXX	6.0	2/month	Grab
Total Phosphorus	XXX	XXX	XXX	XXX	Report Daily Max	XXX	1/year	Grab

\*The existing effluent limits for Outfall 001 were based on a design flow of 0.013 MGD.

Development of Effluent Limitations

Outfall No. 001 Design Flow (MGD) 0.013  
 Latitude 41° 3' 0.00" Longitude -77° 9' 23.00"  
 Wastewater Description: Sewage Effluent

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)

**Water Quality-Based Limitations**

To establish whether or not water-quality based effluent limitations (WQBELs) are required, the Department models in-stream conditions. In order to determine limitations for CBOD5, ammonia-N and dissolved oxygen, the Department utilizes the WQM 7.0 v1.0b model and in order to determine limitations for toxics, the Department utilizes Toxics Management Spreadsheet (TMS). The TMS was not utilized or this review.

**WQM 7.0 for Windows, Version 1.0b, Wasteload Allocation Program for Dissolved Oxygen and Ammonia Nitrogen**

The model was run using the Q7-10 stream flow, background water quality, average annual design flow, and other discharge characteristics. The previously existing technology-based effluent limit for CBOD<sub>5</sub> (10 mg/l) and existing water quality-based effluent limits NH<sub>3</sub>-N (3 mg/l) were used as inputs for the modeling. The DO minimum daily average criterion from §93.7 (6.0 mg/L for CWF) was used for the in-stream objective for the model. The summary of the output is as follows:

Parameter	Effluent Limit		
	30 Day Average	Maximum	Minimum
CBOD5	10	N/A	N/A
Ammonia-N	3	6	N/A
Dissolved Oxygen	N/A	N/A	3

The model does not recommend more stringent water-quality based effluent limitations with regards to CBOD5 and dissolved oxygen, and ammonia-nitrogen. Refer to Appendix B for the WQM 7.0 inputs and results.

**Best Professional Judgment (BPJ) Limitations**

See Dissolved Oxygen section below.

**Additional Considerations**

None

**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 the abovementioned 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" (362-0400-001) 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> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Weir
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	Report Inst Min	XXX	XXX	XXX	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	XXX	XXX	XXX	10.0	XXX	20.0	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	10.0	XXX	20.0	2/month	Grab
Ultraviolet light intensity (uW/cm <sup>2</sup> )	XXX	XXX	Report	XXX	XXX	XXX	1/day	Metered
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/month	Grab
Ammonia-Nitrogen Nov 1 - Apr 30	XXX	XXX	XXX	9.0	XXX	18.0	2/month	Grab
Ammonia-Nitrogen May 1 - Oct 31	XXX	XXX	XXX	3.0	XXX	6.0	2/month	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/year	Grab

\*The proposed effluent limits for Outfall 001 were based on a design flow of 0.013 MGD.

**General Information**

All of the limits proposed above are consistent with other permits issued for wastewater treatment plants in the region. The associated mass-based limits (lbs/day) for all parameters were based on the formula: design flow (average annual) (MGD) x concentration limit (mg/L) at design flow x conversion factor (8.34). All effluent limits were then rounded down in accordance with the rounding rules established in the *Technical Guidance for the Development and Specification of Effluent Limitations* (362-0400-001), Chapter 5 - Specifying Effluent Limitations in NPDES Permits.

**Flow**

The existing monitoring frequency (Continuous) and sample type (Weir) for Flow correspond with the *Technical Guidance for the Development and Specification of Effluent Limitations* (362-0400-001) Table 6-3.

**Carbonaceous Biochemical Oxygen Demand (CBOD<sub>5</sub>)**

The results of the WQM 7.0 model showed that the previously applied advanced treatment requirements for CBOD<sub>5</sub> were protective of water quality and will remain.

**Total Suspended Solids (TSS)**

The previously applied advanced treatment requirements for TSS will remain as well.

**pH**

CFR Title 40 §133.102(c) and 25 PA Code §95.2(1) provide the basis of effluent limitations for pH.

**Fecal Coliforms**

The existing fecal coliform limits with I-max limits were updated from the previous Chapter 92 code to correspond with what is specified in the updated 25 PA Code § 92a.47 (a)(4)&(5).

**U.V. Intensity (uW/cm<sup>2</sup>)**

The facility uses a meter for this monitoring and the daily sample type (Meter) is appropriate. The output of the existing meter has been verified to report ultraviolet light intensity. The facility no longer uses chlorine disinfection, therefore the existing effluent limit has been removed.

**Ammonia-Nitrogen (NH<sub>3</sub>-N)**

The WQM 7.0 model indicated that the existing water quality-based limits for ammonia were adequate. These limits were previously assigned in accordance with the *Implementation Guidance of Section 93.7 Ammonia Criteria* (391-2000-013) which states that a multiplier of 2.0 times the average monthly concentration limit (3 mg/L) was used to establish the I-max concentration limit (6 mg/L). The existing effluent limits will remain.

**Dissolved Oxygen (DO)**

Given results of the WQM 7.0 model, a discharge of effluent from this facility with a DO concentration of 3 mg/l would not result in an exceedance of water quality requirements for this stream. It is anticipated, that the DO concentration in the effluent would be greater than 3.0 mg/l. Therefore, based on BPJ, only monitoring will be required for this facility.

**E. Coli**

25 PA Code § 92a.61 provide the basis of monitoring requirements for E. Coli. Yearly monitoring will be required going forward.

**Compliance History**

**Summary of Inspections** -The last inspection of the facility was conducted by the Department on 1/13/26. The inspection indicates that the facility is operating normally and no violations were noted.

**WMS Query Summary** - A WMS Query was run at *Reports - Violations & Enforcements – Open Violations for Client Report* to determine whether there are any unresolved violations associated with the client that will affect issuance of the permit (per CSL Section 609). This query revealed no open violations.

**eDMRs Summary** - Upon review of the eDMR results, the facility is operating within their effluent limits which are listed below.

Compliance History

DMR Data for Outfall 001 (from February 1, 2025 to January 31, 2026)

Parameter	JAN-26	DEC-25	NOV-25	OCT-25	SEP-25	AUG-25	JUL-25	JUN-25	MAY-25	APR-25	MAR-25	FEB-25
Flow (MGD) Average Monthly									0.004086	0.004023	0.003381	0.002553
pH (S.U.) Instantaneous Minimum									7.6	7.5	7.8	7.7
pH (S.U.) Instantaneous Maximum									8.3	8.2	8.2	8.3
DO (mg/L) Instantaneous Minimum									3.4	3.2	5.6	7.6
TRC (mg/L) Average Monthly									< 0.01	< 0.01	< 0.01	< 0.01
CBOD5 (mg/L) Average Monthly									4.0	5.0	3.0	3.0
CBOD5 (mg/L) Instantaneous Maximum									5.0	5.5	4.0	4.0
TSS (mg/L) Average Monthly									< 4.0	< 4.0	< 4.0	< 4.0
TSS (mg/L) Instantaneous Maximum									< 4.0	< 4.0	< 4.0	< 4.0
Fecal Coliform (No./100 ml) Geometric Mean									< 1.0	< 1.0	< 1.0	< 10.0
Fecal Coliform (No./100 ml) Instantaneous Maximum									< 1.0	< 1.0	< 1.0	98.7
Total Nitrogen (mg/L) Daily Maximum		143										
Ammonia (mg/L) Average Monthly									< 0.10	< 0.10	< 0.10	< 0.10
Ammonia (mg/L) Instantaneous Maximum									< 0.10	< 0.10	< 0.10	< 0.10
Total Phosphorus (mg/L) Daily Maximum		19.3										

Tools and References Used to Develop Permit	
<input checked="" type="checkbox"/>	WQM for Windows Model (see Attachment <b>B</b> )
<input checked="" type="checkbox"/>	Toxics Management Spreadsheet (see Attachment <b>D</b> )
<input type="checkbox"/>	TRC Model Spreadsheet (see Attachment <b> </b> )
<input type="checkbox"/>	Temperature Model Spreadsheet (see Attachment <b> </b> )
<input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	Pennsylvania's Chesapeake Bay Tributary Strategy Implementation Plan for NPDES Permitting, 4/07.
<input type="checkbox"/>	SOP: <b> </b>
<input type="checkbox"/>	Other: <b> </b>

# **APPENDIX A**

## PREVIOUS Q7-10 ANALYSIS AND STREAM DATA



Prepared in cooperation with the Pennsylvania Department of Environmental Protection

## **Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania**



Open-File Report 2011–1070

**U.S. Department of the Interior**  
**U.S. Geological Survey**

Table 1 13

Table 1. List of U.S. Geological Survey streamgage locations in and near Pennsylvania with updated streamflow statistics.—Continued

[Latitude and Longitude in decimal degrees; mi<sup>2</sup>, square miles]

Streamgage number	Streamgage name	Latitude	Longitude	Drainage area (mi <sup>2</sup> )	Regulated <sup>1</sup>
01541303	West Branch Susquehanna River at Hyde, Pa.	41.005	-78.457	474	Y
01541308	Bradley Run near Ashville, Pa.	40.509	-78.584	6.77	N
01541500	Clearfield Creek at Dimeling, Pa.	40.972	-78.406	371	Y
01542000	Moshannon Creek at Osceola Mills, Pa.	40.850	-78.268	68.8	N
01542500	WB Susquehanna River at Karthaus, Pa.	41.118	-78.109	1,462	Y
01542810	Waldy Run near Emporium, Pa.	41.579	-78.293	5.24	N
01543000	Driftwood Branch Sinnemahoning Creek at Sterling Run, Pa.	41.413	-78.197	272	N
01543500	Sinnemahoning Creek at Sinnemahoning, Pa.	41.317	-78.103	685	N
01544000	First Fork Sinnemahoning Creek near Sinnemahoning, Pa.	41.402	-78.024	245	Y
01544500	Kettle Creek at Cross Fork, Pa.	41.476	-77.826	136	N
01545000	Kettle Creek near Westport, Pa.	41.320	-77.874	233	Y
01545500	West Branch Susquehanna River at Renovo, Pa.	41.325	-77.751	2,975	Y
01545600	Young Womans Creek near Renovo, Pa.	41.390	-77.691	46.2	N
01546000	North Bald Eagle Creek at Milesburg, Pa.	40.942	-77.794	119	N
01546400	Spring Creek at Houserville, Pa.	40.834	-77.828	58.5	N
01546500	Spring Creek near Axemann, Pa.	40.890	-77.794	87.2	N
01547100	Spring Creek at Milesburg, Pa.	40.932	-77.786	142	N
01547200	Bald Eagle Creek below Spring Creek at Milesburg, Pa.	40.943	-77.786	265	N
01547500	Bald Eagle Creek at Blanchard, Pa.	41.052	-77.604	339	Y
01547700	Marsh Creek at Blanchard, Pa.	41.060	-77.606	44.1	N
01547800	South Fork Beech Creek near Snow Shoe, Pa.	41.024	-77.904	12.2	N
01547950	Beech Creek at Monument, Pa.	41.112	-77.702	152	N
01548005	Bald Eagle Creek near Beech Creek Station, Pa.	41.081	-77.549	562	Y
01548500	Pine Creek at Cedar Run, Pa.	41.522	-77.447	604	N
01549000	Pine Creek near Waterville, Pa.	41.313	-77.379	750	N
01549500	Blockhouse Creek near English Center, Pa.	41.474	-77.231	37.7	N
01549700	Pine Creek below Little Pine Creek near Waterville, Pa.	41.274	-77.324	944	Y
01550000	Lycoming Creek near Trout Run, Pa.	41.418	-77.033	173	N
01551500	WB Susquehanna River at Williamsport, Pa.	41.236	-76.997	5,682	Y
01552000	Loyalsock Creek at Loyalsockville, Pa.	41.325	-76.912	435	N
01552500	Muncy Creek near Sonestown, Pa.	41.357	-76.535	23.8	N
01553130	Sand Spring Run near White Deer, Pa.	41.059	-77.077	4.93	N
01553500	West Branch Susquehanna River at Lewisburg, Pa.	40.968	-76.876	6,847	Y
01553700	Chillisquaque Creek at Washingtonville, Pa.	41.062	-76.680	51.3	N
01554000	Susquehanna River at Sunbury, Pa.	40.835	-76.827	18,300	Y
01554500	Shamokin Creek near Shamokin, Pa.	40.810	-76.584	54.2	N
01555000	Penns Creek at Penns Creek, Pa.	40.867	-77.048	301	N
01555500	East Mahantango Creek near Dalmatia, Pa.	40.611	-76.912	162	N
01556000	Frankstown Branch Juniata River at Williamsburg, Pa.	40.463	-78.200	291	N
01557500	Bald Eagle Creek at Tyrone, Pa.	40.684	-78.234	44.1	N
01558000	Little Juniata River at Spruce Creek, Pa.	40.613	-78.141	220	N
01559000	Juniata River at Huntingdon, Pa.	40.485	-78.019	816	LF
01559500	Standing Stone Creek near Huntingdon, Pa.	40.524	-77.971	128	N
01559700	Sulphur Springs Creek near Manns Choice, Pa.	39.978	-78.619	5.28	N
01560000	Dunning Creek at Belden, Pa.	40.072	-78.493	172	N

26 Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania

Table 2. Selected low-flow statistics for streamgage locations in and near Pennsylvania.—Continued

[ft<sup>3</sup>/s; cubic feet per second; —, statistic not computed; <, less than]

Streamgage number	Period of record used in analysis <sup>1</sup>	Number of years used in analysis	1-day, 10-year (ft <sup>3</sup> /s)	7-day, 10-year (ft <sup>3</sup> /s)	7-day, 2-year (ft <sup>3</sup> /s)	30-day, 10-year (ft <sup>3</sup> /s)	30-day, 2-year (ft <sup>3</sup> /s)	90-day, 10-year (ft <sup>3</sup> /s)
01546000	1912–1934	17	1.8	2.2	6.8	3.7	12.1	11.2
01546400	1986–2008	23	13.5	14.0	19.6	15.4	22.3	18.7
01546500	1942–2008	67	26.8	29.0	41.3	31.2	44.2	33.7
01547100	1969–2008	40	102	105	128	111	133	117
01547200	1957–2008	52	99.4	101	132	106	142	115
01547500	<sup>2</sup> 1971–2008	38	28.2	109	151	131	172	153
01547500	<sup>3</sup> 1956–1969	14	90.0	94.9	123	98.1	131	105
01547700	1957–2008	52	.5	.6	2.7	1.1	3.9	2.2
01547800	1971–1981	11	1.6	1.8	2.4	2.1	2.9	3.5
01547950	1970–2008	39	12.1	13.6	28.2	17.3	36.4	23.8
01548005	<sup>2</sup> 1971–2000	25	142	151	206	178	241	223
01548005	<sup>3</sup> 1912–1969	58	105	114	147	125	165	140
01548500	1920–2008	89	21.2	24.2	50.1	33.6	68.6	49.3
01549000	1910–1920	11	26.0	32.9	78.0	46.4	106	89.8
01549500	1942–2008	67	.6	.8	2.5	1.4	3.9	2.6
01549700	1959–2008	50	33.3	37.2	83.8	51.2	117	78.4
01550000	1915–2008	94	6.6	7.6	16.8	11.2	24.6	18.6
01551500	<sup>2</sup> 1963–2008	46	520	578	1,020	678	1,330	919
01551500	<sup>3</sup> 1901–1961	61	400	439	742	523	943	752
01552000	1927–2008	80	20.5	22.2	49.5	29.2	69.8	49.6
01552500	1942–2008	67	.9	1.2	3.1	1.7	4.4	3.3
01553130	1969–1981	13	1.0	1.1	1.5	1.3	1.8	1.7
01553500	<sup>2</sup> 1968–2008	41	760	838	1,440	1,000	1,850	1,470
01553500	<sup>3</sup> 1941–1966	26	562	619	880	690	1,090	881
01553700	1981–2008	28	9.1	10.9	15.0	12.6	17.1	15.2
01554000	<sup>2</sup> 1981–2008	28	1,830	1,990	3,270	2,320	4,210	3,160
01554000	<sup>3</sup> 1939–1979	41	1,560	1,630	2,870	1,880	3,620	2,570
01554500	1941–1993	53	16.2	22.0	31.2	25.9	35.7	31.4
01555000	1931–2008	78	33.5	37.6	58.8	43.4	69.6	54.6
01555500	1931–2008	78	4.9	6.5	18.0	9.4	24.3	16.6
01556000	1918–2008	91	43.3	47.8	66.0	55.1	75.0	63.7
01557500	1946–2008	63	2.8	3.2	6.3	4.2	8.1	5.8
01558000	1940–2008	69	56.3	59.0	79.8	65.7	86.2	73.7
01559000	1943–2008	66	104	177	249	198	279	227
01559500	1931–1958	28	9.3	10.5	15.0	12.4	17.8	15.8
01559700	1963–1978	16	.1	.1	.2	.1	.3	.2
01560000	1941–2008	68	8.5	9.4	15.6	12.0	20.2	16.2
01561000	1932–1958	27	.4	.5	1.6	.8	2.5	1.7
01562000	1913–2008	96	64.1	67.1	106	77.4	122	94.5
01562500	1931–1957	27	1.1	1.6	3.8	2.3	5.4	3.7
01563200	<sup>2</sup> 1974–2008	35	—	—	—	112	266	129
01563200	<sup>3</sup> 1948–1972	25	10.3	28.2	86.1	64.5	113	95.5
01563500	<sup>2</sup> 1974–2008	35	384	415	519	441	580	493
01563500	<sup>3</sup> 1939–1972	34	153	242	343	278	399	333
01564500	1940–2008	69	3.6	4.2	10.0	6.2	14.4	10.6

## Q<sub>7-10</sub> Analysis

Facility: PA DOT - Bureau of Project Delivery  
Outfall: 001

NPDES Permit No.: PA0032816  
RMI at Outfall: 40.7

### Reference Stream Gage Information

Stream Name	WB Susquehanna River
Reference Gage	1551500
Station Name	WB Susquehanna River at Williamsport, PA
Gage Drainage Area (sq. mi.)	5682
Q <sub>7-10</sub> at gage (cfs)	578
Yield Ratio (cfs/mi <sup>2</sup> )	0.1017

### Q<sub>7-10</sub> at Outfall

Drainage Area at site (sq. mi.)	2.94
Q <sub>7-10</sub> at discharge site (cfs)	0.2991
Q <sub>7-10</sub> at discharge site (mgd)	0.1933
Low Flow Yield Ratio of 0.1 cfs/mi <sup>2</sup> (For Approx. Comparison Only)	
Q <sub>7-10</sub> at discharge site (cfs)	0.2940
Q <sub>7-10</sub> at discharge site (mgd)	0.1900

### Q<sub>7-10</sub> at Downstream Reach #2

Drainage Area at Reach (sq. mi.)	[Drainage Area @ Reach #2]
RMI	[RMI @ Reach #2]
Q <sub>7-10</sub> at reach (cfs)	#VALUE!
Q <sub>7-10</sub> at reach (mgd)	#VALUE!

Was Ecoflows Used? No

Correlation From Ecoflows

### Check Dilution Ratio

Discharge at Outfall (wf) (mgd)	0.032	
	sf (cfs)	wf (cfs)
Dilution Ratio = sf/wf	0.2991	0.04951132
Dilution Ratio =	6.04045195 to 1	

### Q<sub>7-10</sub> at Downstream Reach #1

Drainage Area at Reach (sq. mi.)	4.82
RMI	39.98
Q <sub>7-10</sub> at reach (cfs)	0.4903
Q <sub>7-10</sub> at reach (mgd)	0.3169

### Q<sub>7-10</sub> at Downstream Reach #3

Drainage Area at Reach (sq. mi.)	[Drainage Area @ Reach #3]
RMI	[RMI @ Reach #3]
Q <sub>7-10</sub> at reach (cfs)	#VALUE!
Q <sub>7-10</sub> at reach (mgd)	#VALUE!

# **APPENDIX B**

## WQM 7.0 MODEL INPUT/OUTPUT

**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
09C	22416	FISHING CREEK	40.700	1398.00	2.94	0.00000	0.00	<input checked="" type="checkbox"/>

**Stream Data**

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary		Stream	
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	Temp (°C)	pH	Temp (°C)	pH
Q7-10	0.100	0.00	0.30	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

**Discharge Data**

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
PA DOT REST33	PA0032816	0.0320	0.0320	0.0320	0.000	25.00	7.00

**Parameter Data**

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	10.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	3.00	0.00	0.00	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
09C	22416	FISHING CREEK	40.700	1398.00	2.94	0.00000	0.00	<input checked="" type="checkbox"/>

**Stream Data**

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary		Stream	
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	Temp (°C)	pH	Temp (°C)	pH
Q7-10	0.100	0.00	0.30	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

**Discharge Data**

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
PA DOT REST33	PA0032816	0.0320	0.0320	0.0320	0.000	25.00	7.00

**Parameter Data**

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	10.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	3.00	0.00	0.00	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
09C	22416	FISHING CREEK	40.700	1398.00	2.94	0.00000	0.00	<input checked="" type="checkbox"/>

**Stream Data**

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary		Stream	
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	Temp (°C)	pH	Temp (°C)	pH
Q7-10	0.100	0.00	0.30	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

**Discharge Data**

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
PA DOT REST33	PA0032816	0.0320	0.0320	0.0320	0.000	25.00	7.00

**Parameter Data**

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	10.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	3.00	0.00	0.00	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
09C	22416	FISHING CREEK	40.700	1398.00	2.94	0.00000	0.00	<input checked="" type="checkbox"/>

**Stream Data**

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary		Stream	
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	Temp (°C)	pH	Temp (°C)	pH
Q7-10	0.100	0.00	0.30	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

**Discharge Data**

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
PA DOT REST33	PA0032816	0.0320	0.0320	0.0320	0.000	25.00	7.00

**Parameter Data**

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	10.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	3.00	0.00	0.00	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
09C	22416	FISHING CREEK	40.700	1398.00	2.94	0.00000	0.00	<input checked="" type="checkbox"/>

**Stream Data**

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary		Stream	
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	Temp (°C)	pH	Temp (°C)	pH
Q7-10	0.100	0.00	0.30	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

**Discharge Data**

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
PA DOT REST33	PA0032816	0.0320	0.0320	0.0320	0.000	25.00	7.00

**Parameter Data**

Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	10.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	3.00	0.00	0.00	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
09C	22416	FISHING CREEK	40.700	1398.00	2.94	0.00000	0.00	<input checked="" type="checkbox"/>

**Stream Data**

Design Cond.	LFY	Trib Flow	Stream Flow	Rch Trav Time	Rch Velocity	WD Ratio	Rch Width	Rch Depth	Tributary		Stream	
	(cfsm)	(cfs)	(cfs)	(days)	(fps)		(ft)	(ft)	Temp (°C)	pH	Temp (°C)	pH
Q7-10	0.100	0.00	0.30	0.000	0.000	0.0	0.00	0.00	20.00	7.00	0.00	0.00
Q1-10		0.00	0.00	0.000	0.000							
Q30-10		0.00	0.00	0.000	0.000							

**Discharge Data**

Name	Permit Number	Existing Disc Flow (mgd)	Permitted Disc Flow (mgd)	Design Disc Flow (mgd)	Reserve Factor	Disc Temp (°C)	Disc pH
PA DOT REST33	PA0032816	0.0320	0.0320	0.0320	0.000	25.00	7.00

**Parameter Data**

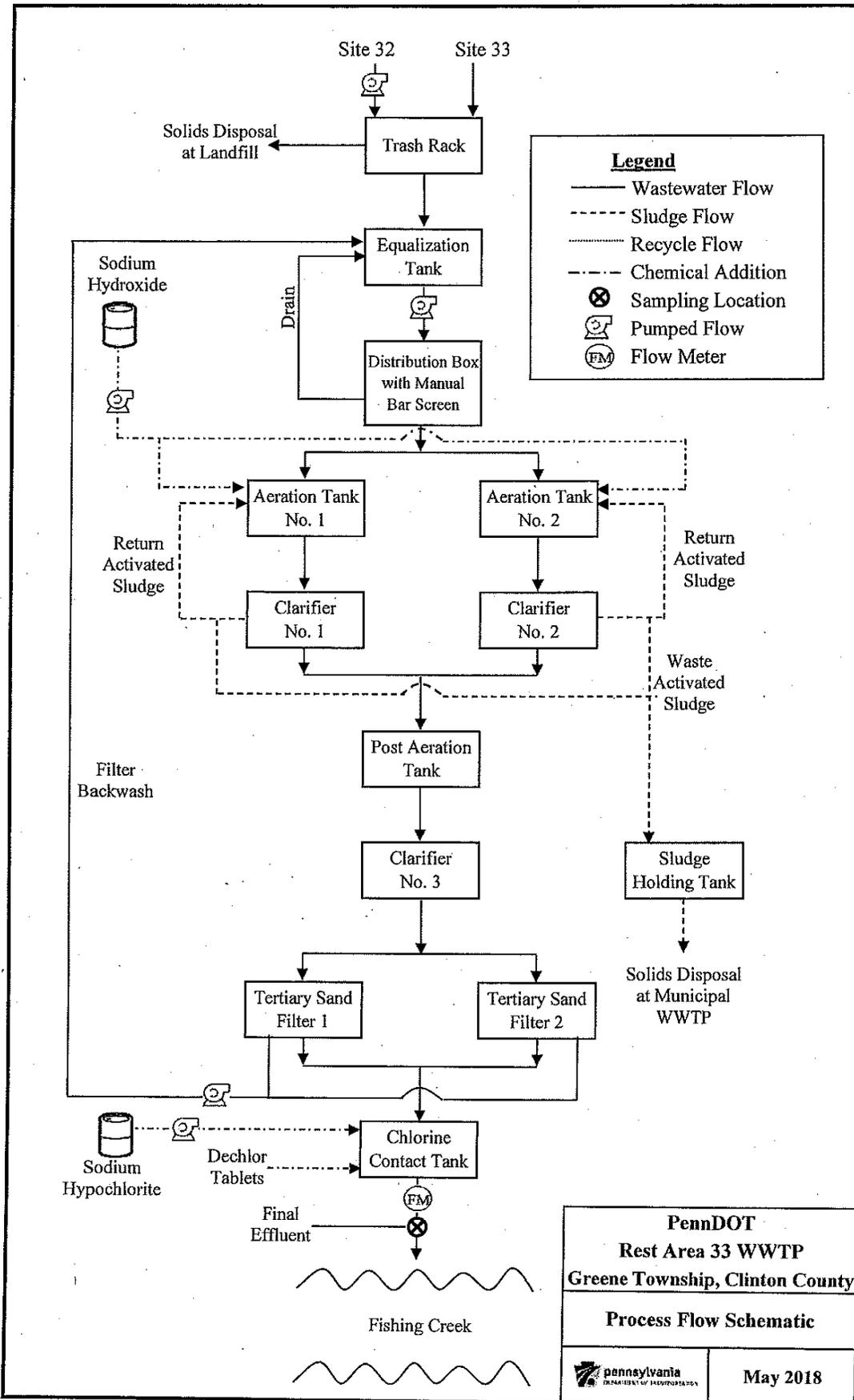
Parameter Name	Disc Conc (mg/L)	Trib Conc (mg/L)	Stream Conc (mg/L)	Fate Coef (1/days)
CBOD5	10.00	2.00	0.00	1.50
Dissolved Oxygen	3.00	8.24	0.00	0.00
NH3-N	3.00	0.00	0.00	0.70

**WQM 7.0 Effluent Limits**

<u>SWP Basin</u>		<u>Stream Code</u>		<u>Stream Name</u>			
09C		22416		FISHING CREEK			
<u>RMI</u>	<u>Name</u>	<u>Permit Number</u>	<u>Disc Flow (mgd)</u>	<u>Parameter</u>	<u>Effl. Limit 30-day Ave. (mg/L)</u>	<u>Effl. Limit Maximum (mg/L)</u>	<u>Effl. Limit Minimum (mg/L)</u>
40.700	PA DOT REST33	PA0032816	0.032	CBOD5	10		
				NH3-N	3	6	
				Dissolved Oxygen			3

# **APPENDIX C**

## FACILITY MAP



# **APPENDIX D**

## **TN & TP DATA**

NPDES Permit Fact Sheet  
PA DOT I 80 Rest Area 33 34 STP

NPDES Permit No. PA0032816

PERMIT	PF NAME	AUTH CLIENT	MONITORING START DATE	MONITORING END DATE	REPORT FREQUENCY	OUTFALL	MONITORING LOCATION	PARAMETER	CONC UNITS	CONC 3 VALUE	CONC 3 LIMIT	CONC 3 SBC	SAMPLE FREQUENCY	SAMPLE TYPE
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2021	12/31/2021	Annually	001	Final Effluent	Total Nitrogen	mg/L	< 94.47	Monitor and Report	Daily Maximum	1/year	Grab
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2022	12/31/2022	Annually	001	Final Effluent	Total Nitrogen	mg/L	97.91	Monitor and Report	Daily Maximum	1/year	Grab
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2023	12/31/2023	Annually	001	Final Effluent	Total Nitrogen	mg/L	76.5	Monitor and Report	Daily Maximum	1/year	Grab
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2024	12/31/2024	Annually	001	Final Effluent	Total Nitrogen	mg/L	112	Monitor and Report	Daily Maximum	1/year	Grab
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2025	12/31/2025	Annually	001	Final Effluent	Total Nitrogen	mg/L	143	Monitor and Report	Daily Maximum	1/year	Grab
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2021	12/31/2021	Annually	001	Final Effluent	Total Phosphorus	mg/L	6.89	Monitor and Report	Daily Maximum	1/year	Grab
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2022	12/31/2022	Annually	001	Final Effluent	Total Phosphorus	mg/L	5.72	Monitor and Report	Daily Maximum	1/year	Grab

**NPDES Permit Fact Sheet  
PA DOT I 80 Rest Area 33 34 STP**

**NPDES Permit No. PA0032816**

PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2023	12/31/2023	Annually	001	Final Effluent	Total Phosphorus	mg/L	12.0	Monitor and Report	Daily Maximum	1/year	Grab
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2024	12/31/2024	Annually	001	Final Effluent	Total Phosphorus	mg/L	10	Monitor and Report	Daily Maximum	1/year	Grab
PA0032816	PA DOT - REST AREA 33 & 34 - I-80	PA DOT BUR OF PROJ DELIVERY	01/01/2025	12/31/2025	Annually	001	Final Effluent	Total Phosphorus	mg/L	19.3	Monitor and Report	Daily Maximum	1/year	Grab