

Application Type Amendment,
Major

Facility Type Municipal

Major / Minor Major

NPDES PERMIT FACT SHEET INDIVIDUAL SEWAGE

Application No. PA0021687 A-1

APS ID 1110763

Authorization ID 1479189

Applicant and Facility Information

Applicant Name	<u>Wellsboro Municipal Authority Tioga County</u>	Facility Name	<u>Wellsboro Municipal Authority</u>
Applicant Address	<u>14 Crafton Street</u> <u>Wellsboro, PA 16901-1508</u>	Facility Address	<u>28 Crafton Street</u> <u>Wellsboro, PA 16901-1549</u>
Applicant Contact	<u>Louis Rachiele</u>	Facility Contact	<u>Robert Cleveland</u>
Applicant Phone	<u>(570) 724-3186</u>	Facility Phone	<u>570-948-1435</u>
Client ID	<u>75450</u>	Site ID	<u>4172</u>
Ch 94 Load Status	<u>Not Overloaded</u>	Municipality	<u>Wellsboro Borough</u>
Connection Status	<u>No Limitations</u>	County	<u>Tioga</u>
Date Application Received	<u>April 1, 2024</u>	EPA Waived?	<u>No</u>
Date Application Accepted	<u>April 11, 2024</u>	If No, Reason	<u>Major Facility, Significant CB Discharge</u>
Purpose of Application	<u>Installation of a UV disinfection system within the existing chlorine contact tank and a CSO Long Term Control Plan update.</u>		

Summary of Review

The permittee has submitted NPDES amendment applications to incorporate the replacement of chlorine disinfection with a new UV disinfection system as well as update permit language consistent with an update to the permittee's CSO Long Term Control Plan (LTCP).

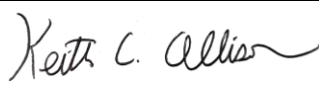

UV Disinfection

The permittee submitted an application for WQM Permit No. 5984401 Amendment No. 1 in 2022 to install a UV disinfection system. The UV disinfection system will consist of two banks each with three UV modules installed in the prior chlorine contact tank. Included in the design is a temporary UV system which is currently being used while the permanent system is installed. The UV system will include monitoring of the percent UV Transmittance which will be included in this draft NPDES permit.

The NPDES Permit Issued May 23, 2022, included a compliance schedule to meet final effluent limitations for Total Residual Chlorine by May 1, 2025. The existing gas chlorination was unable to meet the final limits. The existing limitations for TRC as well as the associated schedule of compliance are removed in the attached draft permit.

CSO Long Term Control Plan Update

The permittee has updated its CSO LTCP to meet a different criterion under the Presumption Approach as listed in Section 3.2.1.2 of the EPA CSO Control Policy. The Wellsboro LTCP previously identified the first criterion regarding no more than four overflow events per year. The updated LTCP identifies that the permittee will now pursue the second criterion:

Approve	Deny	Signatures	Date
✓		 Keith C. Allison / Project Manager	December 12, 2024
✓		 Nicholas W. Hartranft, P.E. / Environmental Engineer Manager	December 12, 2024

Summary of Review

The elimination or the capture for treatment of no less than 85% by volume of the combined sewage collected in the CSS during precipitation events on a system-wide annual average basis;

The permit conditions at Part C.II related to Combined Sewer Overflows have been amended to address the change in Presumption Approach Criterion and the Implementation Schedule.

Public Participation

DEP will publish notice of the receipt of the NPDES permit major amendment application and a tentative decision to issue the individual NPDES permit amendment 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.

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" (362-0400-001), SOPs and/or BPJ.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Metered
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	300	450	XXX	18.0	27.0	36	2/week	24-Hr Composite
Biochemical Oxygen Demand (BOD5) Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	2/week	24-Hr Composite
Total Suspended Solids Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	2/week	24-Hr Composite
Total Suspended Solids	500	750	XXX	30	45	60	2/week	24-Hr Composite
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	10000	2/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	2/week	Grab
E. Coli (No./100 ml)	XXX	XXX	XXX	XXX	XXX	Report	1/month	Grab
Ultraviolet light transmittance (%)	XXX	XXX	Report	XXX	XXX	XXX	1/day	Measured
Ammonia-Nitrogen Nov 1 - May 31	75	112	XXX	4.5	6.7	9	2/week	24-Hr Composite
Ammonia-Nitrogen Jun 1 - Oct 31	25	37	XXX	1.5	2.2	3	2/week	24-Hr Composite

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Total Phosphorus	33	50	XXX	2.0	Report	4	2/week	24-Hr Composite
Copper, Total (ug/L)	0.27	0.42 Daily Max	XXX	16.2	25.30 Daily Max	40.5	1/week	24-Hr Composite

Compliance Sampling Location: Outfall 001

Other Comments: TRC monitoring, including interim and final limitations, has been removed and UV Light Transmittance monitoring is new with this proposed amended permit.

Proposed Effluent Limitations and Monitoring Requirements – Chesapeake Bay

The limitations and monitoring requirements specified below are proposed for the draft permit, to comply with Pennsylvania's Chesapeake Bay Tributary Strategy.

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

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Monthly	Annual	Monthly	Monthly Average	Maximum	Instant. Maximum		
Ammonia--N	Report	Report	XXX	Report	XXX	XXX	2/week	24-Hr Composite
Kjeldahl--N	Report	XXX	XXX	Report	XXX	XXX	2/week	24-Hr Composite
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	XXX	2/week	24-Hr Composite
Total Nitrogen	Report	Report	XXX	Report	XXX	XXX	1/month	Calculation
Total Phosphorus	Report	Report	XXX	Report	XXX	XXX	2/week	24-Hr Composite
Net Total Nitrogen	Report	46,029	XXX	XXX	XXX	XXX	1/month	Calculation
Net Total Phosphorus	Report	4,871	XXX	XXX	XXX	XXX	1/month	Calculation

Other Comments: CSO monitoring and limitations are unchanged in this proposed Permit Amendment.

Proposed Effluent Limitations and Monitoring Requirements- Combined Sewer Overflow Discharges

Outfall No.	Location Description	Receiving Stream Name	Location	
			Latitude	Longitude
002	200 feet upstream of WWTF	Marsh Creek (WWF, MF)	41° 45' 18"	-77° 17' 58"
003	1,200 feet upstream of WWTF	Marsh Creek (WWF, MF)	41° 45' 11"	-77° 17' 50"

Other Comments: CSO identification is unchanged in this proposed Permit Amendment.