

Application Type Renewal  
Facility Type Municipal  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
INDIVIDUAL SEWAGE**

Application No. PA0062294  
APS ID 540455  
Authorization ID 1268765

**Applicant and Facility Information**

Applicant Name	<u>Coolbaugh Township</u>	Facility Name	<u>Coolbaugh Township WWTP</u>
Applicant Address	<u>5520 Municipal Drive</u> <u>Tobyhanna, PA 18466</u>	Facility Address	<u>5800-B Memorial Boulevard</u> <u>Tobyhanna, PA 18466</u>
Applicant Contact	<u>William Weimer</u>	Facility Contact	<u>David Kavitski</u>
Applicant Phone	<u>(570) 233-1632</u>	Facility Phone	<u>(570) 233-1632</u>
Client ID	<u>69346</u>	Site ID	<u>244513</u>
Ch 94 Load Status	<u>Existing Organic and Projected Hydraulic</u>	Municipality	<u>Coolbaugh Township</u>
Connection Status	<u>Dept. Imposed Connection Prohibitions</u>	County	<u>Monroe</u>
Date Application Received	<u>April 8, 2019</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>April 12, 2019</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of an existing NPDES permit to discharge up to 0.052 mgd of treated sewage.</u>		

**Summary of Review**

The applicant is requesting renewal of NPDES Permit No. PA0062294 to authorize a discharge of up to 0.052 mgd of treated sewage from a minor sewage treatment plant into Tobyhanna Creek (HQ-CWF, MF) in State Water Plan watershed 02-A. The watershed does not have an existing use classification. The discharge is not expected to affect public water supplies. The 2020 Pennsylvania Integrated Water Quality Monitoring and Assessment Report lists Tobyhanna Creek as 'Attaining' for Aquatic Life.

The measurement frequency for pH and Dissolved Oxygen has increased from 1/week to 1/day in accordance with Table 6-3 of DEP's *Technical Guidance for the Development and Specification of Effluent Limitations*. Annual monitoring for E. Coli has been added to the permit in accordance with DEP's *Establishing Effluent Limitations for Individual Sewage Permits*. Water quality modeling through WQM 7.0 v1.1 for Ammonia and CBOD5 supports retaining the existing limits. All effluent concentration limitations remain unchanged.

The facility utilizes UV disinfection. Sodium hypochlorite is added to clean the two membrane filters. The new permit introduces an IMAX limitation of 1.6 mg/L for chlorine. Sampling must be performed daily after sodium hypochlorite is applied and is expected to be present in the discharge. If sodium hypochlorite is not applied during a monitoring period, the eDMR should be coded 'GG' for chlorine.

An SEJ was approved on September 6, 1989.

DRBC Docket D-2006-023 CP-5 was approved on June 12, 2018. It expires on September 29, 2024. It did not add any permitted effluent concentrations more restrictive than the current NPDES permit.

Approve	Deny	Signatures	Date
X		Joseph Cherinko (signed) Joseph Cherinko, P.E. / Environmental Engineering Specialist	April 2, 2021
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager	4-8-21

### Summary of Review

The Lehigh River Watershed TMDL states “The source of the acid mine drainage (AMD) is abandoned mine discharges which lie to the west of the Lehigh River in Carbon, Luzerne and Schuylkill counties...The area within the watersheds consists of approximately 885 square miles. The focus of this TMDL is the Lehigh River in Carbon County.” Since NPDES PA0062294 is not listed in the TMDL and is located on the east side of the Lehigh River in Monroe County, the permit will not add monitoring requirements for iron, aluminum, and manganese. They are not expected to be in the effluent in significant quantities.

The September 2019 ‘Sewage Sludge/Biosolids Production and Disposal’ supplementary report declared that biosolids were hauled to the Greater Hazelton WWTF.

The WMS query ‘Inspections Report’ was performed. An ‘Incident Response’ was performed on 10/2/2020; a violation was noted for the release of activated sludge to the environment and into Tobyhanna Creek. A follow-up ‘Routine/Partial Inspection’ was performed on 10/27/2020; no violations were noted.

The WMS query ‘Open Violations by Client Report’ was performed. There are no open violations.

The 2018 Chapter 94 report (received March 2019) indicated an existing hydraulic overload condition in 2018; the average monthly flows in October, November, and December 2018 exceeded the facility’s 0.052 mgd permitted discharge. A Corrective Action Plan was included in the submittal, which attributed the hydraulic overloads to a malfunctioning surge tank and unusually high rainfall.

The 2018 and 2019 Chapter 94 reports show historical flow data that is inconsistent with each other. For example, the year header changes but the historical flows remain the same in each column, except for the most recent year in the 2019 report.

The existing NPDES permit expired on September 30, 2019. The renewal application was due on April 3, 2019. It was received late on April 8, 2019.

### 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.

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>.052</u>
Latitude	<u>41° 10' 17.39"</u>	Longitude	<u>-75° 25' 7.98"</u>
Quad Name	<u>Tobyhanna</u>	Quad Code	<u>0942</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Tobyhanna Creek (HQ-CWF, MF)</u>	Stream Code	<u>4357</u>
NHD Com ID	<u>26279977</u>	RMI	<u>21.3</u>
Drainage Area	<u>18.1 mi<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u>0.146</u>
Q <sub>7-10</sub> Flow (cfs)	<u>2.65</u>	Q <sub>7-10</sub> Basis	<u>USGS StreamStats</u>
Elevation (ft)	<u>1,890'</u>	Slope (ft/ft)	<u>-</u>
Watershed No.	<u>2-A</u>	Chapter 93 Class.	<u>HQ-CWF, MF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	<u></u>		
Source(s) of Impairment	<u></u>		
TMDL Status	<u>Final, 7/7/2009</u>	Name	<u>Lehigh River TMDL</u>
Background/Ambient Data		Data Source	
pH (SU)	<u>-</u>		<u>-</u>
Temperature (°F)	<u>-</u>		<u>-</u>
Hardness (mg/L)	<u>-</u>		<u>-</u>
Other:	<u>-</u>		<u>-</u>
Nearest Downstream Public Water Supply Intake	<u>Hazleton City</u>		
PWS Waters	<u>-</u>	Flow at Intake (cfs)	<u>-</u>
PWS RMI	<u>-</u>	Distance from Outfall (mi)	<u>43</u>

Changes Since Last Permit Issuance: Yield has been updated with data from USGS StreamStats tool.

Treatment Facility Summary				
<b>Treatment Facility Name:</b> Coolbaugh Township WWTP				
<b>WQM Permit No.</b>		<b>Issuance Date</b>		
4506401		2006		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary With Ammonia Reduction	Sequencing Batch Reactor	Ultraviolet	0.052
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.052	108	Existing Organic and Projected Hydraulic	Aerobic Sludge Holding Tank	Hauled to Hazleton WWTP

Comments: WQM Permit 4506401 was issued in 2006 for the installation of Membrane Biological Reactors, which raised the design capacity from 0.056 to 0.100 mgd.