pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Northeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0062596**
Facility Type	**Municipal**	APS ID	**544690**
Major / Minor	**Minor**	Authorization ID	**1130619**

NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE

Applicant and Facility Information

Applicant Name	**Laceyville Borough Joint Municipal Authority**	Facility Name	**Laceyville Borough Joint Municipal Authority Wastewater Treatment Plant**
Applicant Address	c/o Mary Tyler 54 Heeman Lane Wyalusing, PA 18853	Facility Address	Tannery Street Laceyville, PA 18623
Applicant Contact	Anne Marie Ruane	Facility Contact	Larry Lechleitner
Applicant Phone	570-869-1896	Facility Phone	570-815-8049
Client ID	65407	Site ID	257228
Ch 94 Load Status	-	Municipality	Laceyville Borough
Connection Status	-	County	Wyoming
Date Application Received	March 18, 2016	EPA Waived?	Yes
Date Application Accepted	March 23, 2016	If No, Reason	-
Purpose of Application	Renewal of NPDES sewage discharge permit.		

Summary of Review

The applicant is requesting the renewal of an NPDES permit to discharge up to 0.08 MGD of treated sewage into the Little Tuscarora Creek, a Cold-Water Fishery, Migratory Fish (CWF, MF) receiving stream in State Water Plan Basin 4-D (Wysox – Wyalusing Creek). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than its designated use. This stream segment is not designated as a naturally reproducing trout stream as per PA Fish & Boat Commission. This discharge is not expected to affect public water supplies.

Limitations for pH, $CBOD_5$, Dissolved Oxygen, Total Suspended Solids (TSS), and Fecal Coliform are technology-based and carried over from the previous permit. Limitations for Ammonia-Nitrogen are water quality-based and developed from the updated water quality monitoring. The Total Residual Chlorine (TRC) Calculation Spreadsheet recommends stricter limitations than the previous permit. The permittee will be required to meet the new water quality-based limits for TRC starting three years after the effective date of the permit (see Part C.III.). TRC limitations from the previously issued permit are in effect for the first three years after the permit effective date.

Monitoring/reporting for Total Nitrogen (TN) and Total Phosphorus (TP) is now required for all Individual Sewage Permits. Monitoring is also included for Total Kjeldahl Nitrogen (TKN) and Nitrate-Nitrite as N since they are components of the calculation for TN.

Monitoring frequencies for all parameters with limitations have been updated to the recommended frequencies found in Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limitations (Document No. 362-0400-001).

Approve	Deny	Signatures	Date
X		Allison Seyfried / Environmental Engineering Specialist	January 3, 2019
X		Amy M. Bellanca, P.E. / Environmental Engineer Manager	January 3, 2019

Summary of Review

The low flow yield (LFY) of 0.0130 cfs/mi^2 was developed using data from USGS's *Selected Streamflow Statistics for Streamgage Locations in and near Pennsylvania (Open File Report 2011-1070)* for gage 01532000 (Towanda Creek near Monroeton, PA). The period of record used for analysis for this gage is 1915-2008. Modeling in previous permits used stream gage 1533500 – North Branch Mehoopnay Creek near Lovelton, PA. This stream gage is closer to Outfall 001, however the Open File Report for this gage states that the period of record used for analysis is 1942-1958. Therefore, the data from this stream gage is outdated.

RMI values were obtained using the Department's eMapPA, drainage areas were delineated using USGS's StreamStats interactive map, and elevations were obtained using the elevation profile tool on StreamStats.

As per the permittee's consultant, sludge is hauled by Crawford Septic.

The existing permit expired on 4/30/2016 and the application for renewal was submitted on 3/18/2016. A Water Management System Inspection query was performed and indicated that on 6/28/2018 a Compliance Evaluation was performed with No Violations Noted. There are currently three open violations for this client that may need to be resolved before issuance of the final permit:

1. Violation ID 785488 – NPDES – Failure to provide access to permittee's facility or records.
2. Violation ID 785927 – NPDES – Failure to properly operate and maintain all facilities which are installed or used by the permittee to achieve compliance.
3. Violation ID 785928 – Failure to take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of a permit.


Watershed Info_Laceyville.pdf


WQM_Laceyville.pdf


TRC_CALC - Laceyville.pdf

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.	001	Design Flow (MGD)	0.08
Latitude	41º 38' 36.30"	Longitude	-76º 9' 46.52"
Quad Name	Laceyville	Quad Code	0536
Wastewater Description:	Sewage Effluent		
Receiving Waters	Little Tuscarora Creek	Stream Code	29499
NHD Com ID	66403819	RMI	0.07
Drainage Area	6.32 mi^2	Yield (cfs/mi^2)	0.0130
Q_{7-10} Flow (cfs)	0.082	Q_{7-10} Basis	Stream Gage 1532000
Elevation (ft)	631.5	Slope (ft/ft)	0.002
Watershed No.	4-D	Chapter 93 Class.	CWF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-
Nearest Downstream Public Water Supply Intake	United Water Pennsylvania		
PWS Waters	Susquehanna River	Flow at Intake (cfs)	306.8
PWS RMI	61.2	Distance from Outfall (mi)	≈ 165

Treatment Facility Summary

Treatment Facility Name: Laceyville Borough Joint Municipal Authority Wastewater Treatment Plant

Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration	Chlorination	0.0189

Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.08	102	Not Overloaded	Holding Tank	Hauled

Development of Effluent Limitations

Outfall No. 001 **Design Flow (MGD)** 0.08
Latitude 41º 38' 39.00" **Longitude** -76º 9' 47.00"
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
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
$CBOD_5$	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	40	Average Weekly	133.102(a)(4)(ii)	92a.47(a)(2)
	50	IMAX	-	-
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)
	60	IMAX	-	-
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)

Water Quality-Based Limitations

The following limitations were determined through water quality:

Parameter	Limit (mg/l)	SBC	Model
Total Residual Chlorine	0.11	Average Monthly	TRC Calculation Spreadsheet
	0.35	IMAX	
Ammonia-Nitrogen Nov 1 - April 30	9.0	Average Monthly	Water Quality Modeling
	18.0	IMAX	
Ammonia-Nitrogen May 1 – Oct 31	3.0	Average Monthly	
	6.0	IMAX	

Anti-Backsliding

No limitations were made less stringent.