

Application Type Renewal
Facility Type Sewage
Major / Minor Major

NPDES PERMIT FACT SHEET

Application No. PA0022292
APS ID 782535
Authorization ID 1205034

Applicant and Facility Information

Applicant Name	<u>Ebensburg Borough Municipal Authority</u>	Facility Name	<u>Ebensburg Borough Municipal Authority WWTP</u>
Applicant Address	<u>300 West High Street Ebensburg, PA 15931</u>	Facility Address	<u>291 Trout Lane Ebensburg, PA 15931-3815</u>
Applicant Contact	<u>Daniel Penatzer</u>	Facility Contact	<u>Same</u>
Applicant Phone	<u>(814) 472-8780</u>	Facility Phone	<u>Same</u>
Client ID	<u>62965</u>	Site ID	<u>246026</u>
SIC Code	<u>4952</u>	Municipality	<u>Cambria Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>Cambria</u>
Date Application Received	<u>October 12, 2017</u>	EPA Waived?	<u>No</u>
Date Application Accepted	<u>November 1, 2017</u>	If No, Reason	<u>Major Facility</u>
Purpose of Application	<u>Renewal of NPDES Permit.</u>		

Summary of Review

The Municipal Authority of the Borough of Ebensburg has applied for a renewal of NPDES Permit No. PA0022292. NPDES Permit No. PA0022292 was last issued on April 10, 2013 and authorizes a discharge of 2.0 mgd from the Ebensburg Wastewater Treatment Plant. The existing discharge is to Howells Run, a cold-water fishery.

The Ebensburg WWTP discharge was previously evaluated using the Department's D.O. Modeling Program WQAM 6.3 and Chapter 93 criteria. The phosphorus limitation is based on a lake phosphorus study for the Wilmore Reservoir which is located downstream of the discharge. There have been no modeling changes or evidence to suggest that the basis for the current limitations, for a discharge flow rate of 2.0 mgd, has changed. The existing limitations will be re-imposed in this renewal. The previous pollution report, which describes the development of the effluent limits, is attached below as a pdf file. See attachment A for re-imposed effluent limits.

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 ₅	25	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	37.5	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.	IMin – IMax	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)

Summary of Review

Water Quality-Based Limitations

The following limitations were determined through water quality modeling and are detailed in the pollution report pdf incorporated below:

Parameter	Limit (mg/l)	SBC	Model
NH3-N May 1 to Oct 31	2.0	Average Monthly	WQAM63.EXE
NH3-N Nov 1 to April 31	3.5	Average Monthly	WQAM63.EXE
Dissolved Oxygen	Minimum 6.0	At all times	WQAM63.EXE



Pollution Report

Best Professional Judgement (BPJ) Limitations and Reporting Requirements

Total N (mg/L): Report Effluent Concentration: Basis 92a.61

Parameter	Limit (mg/l)	SBC	Model
Total Phosphorus	1.5	Average Monthly	Wilmore Lake Study
Total Phosphorus	2.3	Average Weekly	BPJ Multiplier 1.5

Toxics Evaluation

The applicant has conducted effluent testing for Groups 1 through 5. All parameters were evaluated using the Department's TOXICS SCREENING ANALYSIS WATER QUALITY POLLUTANTS OF CONCERN VERSION 2.3 program. The results (incorporated below) indicate all parameters are well below their respective most stringent criterion or quantitative limit. Limits for this parameters are not required.



Toxics Screening
Analysis

Whole Effluent Toxicity Testing (WETT)

The WET results indicate that all tests were a pass. The DEP's Whole Effluent Toxicity (WET) Test Summary Report Cover Sheets are included below as a pdf.



WET Summary
Reports

Combined Sewer Overflows (CSOs)

The Authority has an approved LTCP. The Authority intends to eliminate their two CSOs by expanding the plant (completed) and separating out the storm water from their sanitary sewer system in the combined sewer areas (under construction). The new timeframe for the CSOs to be eliminated is by January 1, 2020. The CSO condition in Part C will list this date as a milestone for CSO elimination. The following compliance schedule will be contained in this renewal:

Schedule Activity Description

Compliance Due Date

Continue Implementation of the NMCs

Permit effective date

Continue Implementation of the LTCP

Permit effective date

Summary of Review

Submit Annual CSO Status Report to Department with Chapter 94 Report

March 31 of each year

Submit DMR Supplemental Reports for CSOs

Within 28 days of the end of a month

Scheduled Final Milestones

Compliance Due Date

Elimination of CSOs 002 and 003 and conveyance of all flows to the WWTP for treatment

January 1, 2020

Begin Post Construction Monitoring Plan as specified in Water Quality Management Permit no. 1117404

Upon completion of sewer separation project but no later than February 1, 2020

Compliance Review

eDMR indicates no violations for the past 12 months.

Approve	Return	Deny	Signatures	Date
X			Raymond E. Lattner / Environmental Permit Manager /S/	12/17/2018
X			Donald J. Leone, P.E. / Environmental Engineer Manager /S/	03/01/2019