

Application Type Renewal
Facility Type Industrial
Major / Minor Minor

**NPDES PERMIT FACT SHEET
INDIVIDUAL INDUSTRIAL WASTE (IW)
AND IW STORMWATER**

Application No. PA0051632
APS ID 709081
Authorization ID 1383496

Applicant and Facility Information

Applicant Name	<u>Easton Suburban Water Authority</u>	Facility Name	<u>Easton Water Treatment Plant</u>
Applicant Address	<u>3700 Hartley Avenue</u> <u>Easton, PA 18043</u>	Facility Address	<u>701 N. Delaware Drive</u> <u>Easton, PA 18042</u>
Applicant Contact	<u>Craig Swinsburg</u>	Facility Contact	<u>Don Mauro</u>
Applicant Phone	<u>(610) 258-7181</u>	Facility Phone	<u>(610) 250-6942</u>
Client ID	<u>87574</u>	Site ID	<u>246481</u>
SIC Code	<u>4941</u>	Municipality	<u>Easton City</u>
SIC Description	<u>Trans. & Utilities - Water Supply</u>	County	<u>Northampton</u>
Date Application Received	<u>January 31, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>January 31, 2022</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>Renewal of NPDES permit.</u>		

Summary of Review

The applicant is requesting renewal of their NPDES permit to discharge treated industrial wastewater to the Delaware River (stream code 2), a WWF/MF designated receiving water in State Water Plan Basin 01-F (Jacoby – Bushkill Creeks). As per the Department's current existing use list, the receiving water does not have an existing use that is more protective than its designated use.

The discharge was modeled using a 0.500 discharge value as in the previous renewal and confirmed with current eDMR flow values. Current flow data from upstream stream gage 01446500 (Delaware River at Belvidere, NJ) was used to develop the low flow yield and Q₇₋₁₀. Drainage areas, elevations and RMIs were obtained using USGS's StreamStats and PA DEP's eMapPA. DEP's Toxics Management Spreadsheet and the TRC Calculation Spreadsheet did not recommend any new or more stringent limitations. Note: The TRC Calculation Spreadsheet no longer calculates limitations for one sample per month as was done in the previous renewal. Four samples per month is the minimum allowed.

All limitations and monitoring requirements from the previously issued permit are carried over for this renewal as well as Part C conditions and Part A footnotes. The technology-based limitations were developed using the Department's *Technology-Based Control Requirements for Water Treatment Plant Wastes* guidance document (doc. no. 362-2183-003, rev. 10/1/1997).

The previously issued permit expired on July 31, 2022 and the application for permit renewal was submitted in a timely manner. There are currently 2 open violations for the client that would warrant withholding issuance of the final permit:

- Unauthorized, unpermitted discharge of industrial wastes to waters of the Commonwealth (sump pump discharge of sodium permanganate)
- Violation of effluent limits in Part A of permit (TSS & Total Aluminum exceedances)

Approve	Deny	Signatures	Date
X		<i>Brian Burden</i> Brian Burden, E.I.T. / Project Manager	August 23, 2022
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager	9-12-22

Summary of Review

A Notice of Violation was sent to the permittee via email on September 13, 2021 for the violations identified above. eDMR results over the previous 2 years revealed the following Outfall 001 effluent limitation exceedances (Outfall 002 did not discharge during that time frame):

- July 2022, Total Aluminum – 7.45 mg/L Average Monthly (limitation is 4.0 mg/L)
- July 2022, Total Suspended Solids – 41.0 mg/L Average Monthly (limitation is 30.0 mg/L)
- May 2022, Total Suspended Solids – 35.66 mg/L Average Monthly (limitation is 30.0 mg/L)
- May 2022, Total Suspended Solids – 66.0 mg/L Maximum (limitation is 60.0 mg/L)
- September 2021, Total Manganese – 2.57 mg/L Maximum (limitation is 2.0 mg/L)
- September 2021, Total Suspended Solids – 35.29 mg/L Average Monthly (limitation is 30.0 mg/L)
- September 2021, Total Suspended Solids – 114.0 mg/L Maximum (limitation is 60.0 mg/L)
- October 2020, Total Residual Chlorine - <0.75 mg/L Average Monthly (limitation is 0.5 mg/L)



TMS PA0051632.pdf



TRC Calculation.pdf



StreamStats
Outfall.pdf



StreamStats Point
2.pdf



StreamStats Gage
01446500.pdf



Elevations RMI's.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.	<u>001, 002</u>	Design Flow (MGD)	<u>0.500, 0.001</u>
Latitude	<u>40° 42' 36", 40° 42' 34"</u>	Longitude	<u>-75° 11' 48", -75° 11' 49"</u>
Quad Name	<u>Easton</u>	Quad Code	<u>1344</u>
Wastewater Description: <u>Water Treatment Effluent</u>			

Receiving Waters	<u>Delaware River (WWF, MF)</u>	Stream Code	<u>2</u>
NHD Com ID	<u>26037054</u>	RMI	<u>110.2</u>
Drainage Area	<u>4640 mi²</u>	Yield (cfs/mi ²)	<u>0.26</u>
Q ₇₋₁₀ Flow (cfs)	<u>1206</u>	Q ₇₋₁₀ Basis	<u>Gage 01446500</u>
Elevation (ft)	<u>166</u>	Slope (ft/ft)	<u>0.0009</u>
Watershed No.	<u>1-F</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use	<u>-</u>	Existing Use Qualifier	<u>-</u>
Exceptions to Use	<u>-</u>	Exceptions to Criteria	<u>-</u>
Assessment Status	<u>Impaired</u>		
Cause(s) of Impairment	<u>Mercury</u>		
Source(s) of Impairment	<u>Unknown</u>		
TMDL Status	<u>-</u>	Name	<u>-</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>BCWSA New Hope</u>		
PWS Waters	<u>Delaware River</u>	Flow at Intake (cfs)	<u>1,742</u>
PWS RMI	<u>73.3</u>	Distance from Outfall (mi)	<u>~36.5</u>