

Application Type Renewal  
Facility Type Industrial  
Major / Minor Minor

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

Application No. PA0054909  
APS ID 1074881  
Authorization ID 1416180

**Applicant and Facility Information**

Applicant Name	<u>North Penn North Wales Water Authority Montgomery County</u>	Facility Name	<u>N Penn &amp; N Wales Water Authority Pt Pleas Ps</u>
Applicant Address	<u>PO Box 317 Chalfont, PA 18914-0317</u>	Facility Address	<u>Route 413 &amp; Bradshaw Road Plumstead, PA 18923</u>
Applicant Contact	<u>Jeff Pifer</u>	Facility Contact	<u>Jeff Pifer</u>
Applicant Phone	<u>(215) 822-5950</u>	Facility Phone	<u>(215) 822-5950</u>
Client ID	<u>35064</u>	Site ID	<u>458802</u>
SIC Code	<u>4941</u>	Municipality	<u>Plumstead Township</u>
SIC Description	<u>Trans. &amp; Utilities - Water Supply</u>	County	<u>Bucks</u>
Date Application Received	<u>October 31, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u></u>	If No, Reason	<u></u>
Purpose of Application	<u>Permit Renewal.</u>		

**Summary of Review**

The applicant is proposing renewal of a permit to discharge 26-MGD of untreated water diverted from the Delaware River, thru Bradshaw Reservoir, to the North Branch Neshaminy Creek. The discharge point is located upstream of Lake Galena in Plumstead Township, Bucks County. This water diversion serves as supplemental source water for the Forest Park Water facility, located downstream of Lake Gelena.

The sampling point limits and special conditions will remain as previously approved

Special Conditions:

1. No chemical additions without approval.
2. Dissolved Oxygen Requirements.
3. Continuous Monitoring/ Alternative Monitoring Requirements.
4. Aquatic Biological Assessment

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*

Approve	Deny	Signatures	Date
X		<i>Charley Yang</i> Charley Yang / Environmental Engineering Specialist	December 2, 2022
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	12/5/2022

**Summary of Review**

*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>26</u>
Latitude	<u>40° 22' 59.71"</u>	Longitude	<u>-75° 6' 40.39"</u>
Quad Name	_____	Quad Code	_____
Wastewater Description: <u>Water diverted from the Delaware River</u>			
Receiving Waters	<u>North Branch Neshaminy Creek (WWF, MF)</u>	Stream Code	<u>02789</u>
NHD Com ID	<u>25480864</u>	RMI	<u>0.4800</u>
Drainage Area	_____	Yield (cfs/mi <sup>2</sup> )	_____
Q <sub>7-10</sub> Flow (cfs)	_____	Q <sub>7-10</sub> Basis	_____
Elevation (ft)	_____	Slope (ft/ft)	_____
Watershed No.	<u>2-F</u>	Chapter 93 Class.	<u>WWF, MF</u>
Existing Use	_____	Existing Use Qualifier	_____
Exceptions to Use	_____	Exceptions to Criteria	_____
Assessment Status	<u>Attaining Use(s)</u>		
Cause(s) of Impairment	_____		
Source(s) of Impairment	_____		
TMDL Status	<u>Final</u>	Name	<u>Neshaminy Creek</u>
Background/Ambient Data		Data Source	
pH (SU)	_____		_____
Temperature (°F)	_____		_____
Hardness (mg/L)	_____		_____
Other:	_____		_____
Nearest Downstream Public Water Supply Intake	<u>Forest Park Water</u>		
PWS Waters	<u>North Branch Neshaminy Creek</u>	Flow at Intake (cfs)	_____
PWS RMI	_____	Distance from Outfall (mi)	_____

Changes Since Last Permit Issuance:

Other Comments:

Compliance History

DMR Data for Outfall 001 (from November 1, 2021 to October 31, 2022)

Parameter	OCT-22	SEP-22	AUG-22	JUL-22	JUN-22	MAY-22	APR-22	MAR-22	FEB-22	JAN-22	DEC-21	NOV-21
Flow (MGD) Average Monthly	38.66	33.79	44.6	41.0	40.0	14.31	9.03	23.99	15.78	15.23	16.18	27.22
pH (S.U.) Instantaneous Minimum	8.15	6.18	6.54	6.7	6.97	6.4	6.65	7.71	7.8	7.8	8.06	6.87
pH (S.U.) Instantaneous Maximum	8.9	8.52	7.2	7.8	7.79	7.6	8.36	8.42	8.4	8.6	8.31	8.16
DO (Day 1 thru 15) (mg/L)   Instantaneous Minimum									14.07			
DO (Day 16 thru End of Month) (mg/L)   Instantaneous Minimum									14.17			
DO (mg/L) Instantaneous Minimum	10.32	7.47	6.75	6.28	7.46	9.55	11.6	11.8		13.06	13.82	6.37
DO (Day 1 thru 15) (mg/L)   Average Monthly									14.5			
DO (Day 16 thru End of Month) (mg/L)   Average Monthly									14.8			
DO (mg/L) Average Monthly	11.17	8.91	8.31	8.55	9.0	11.32	12.5	13.78		15.68	14.60	11.82
Temperature (°F) Instantaneous Maximum	65.2	80.3	85.1	82.9	74.7	70.3	54.7	49.9	36.2	44.2	43.2	59
Fecal Coliform (No./100 ml) Geometric Mean	60	52	59	20	40	28	14	25	7	1	51	110
Nitrate-Nitrite (mg/L) Average Monthly	< 0.03	< 0.03	1.22	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	1.0	1.01	< 0.03	< 0.03

**NPDES Permit Fact Sheet**  
**N Penn & N Wales Water Authority Pt Pleas Ps**

**NPDES Permit No. PA0054909**

Ammonia (mg/L) Average Monthly	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
TKN (mg/L) Average Monthly	< 0.68	< 0.68	< 0.68	0.46	0.51	< 0.3	< 0.30	0.54	1.07	0.48	< 0.30	< 0.3
Total Phosphorus (mg/L) Average Monthly	0.06	0.11	0.08	0.04	0.05	0.22	0.06	0.04	0.10	0.02	0.05	0.05
Orthophosphate (mg/L) Average Monthly	0.03	0.06	0.06	0.03	0.04	< 0.02	< 0.02	0.02	0.04	0.03	< 0.02	< 0.02

**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) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Recorded
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Continuous	Recorded
DO Feb 1 - 15	XXX	XXX	4.0 Inst Min	5.0	XXX	XXX	Continuous	Recorded
DO Aug 1 - Jan 31	XXX	XXX	4.0 Inst Min	5.0	XXX	XXX	Continuous	Recorded
DO Feb 16 - 28	XXX	XXX	5.0 Inst Min	6.0	XXX	XXX	Continuous	Recorded
DO Mar 1 - Jul 31	XXX	XXX	5.0 Inst Min	6.0	XXX	XXX	Continuous	Recorded
Temperature (°F)	XXX	XXX	XXX	XXX	XXX	Report	Continuous	Recorded
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	1/month	Grab
Nitrate-Nitrite	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
Ammonia	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
TKN	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
Total Phosphorus	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab
Orthophosphate	XXX	XXX	XXX	Report	XXX	XXX	1/month	Grab

Compliance Sampling Location:

Other Comments: