

Application Type Renewal  
Facility Type Industrial  
Major / Minor Minor

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

Application No. PA0244279  
APS ID 1100662  
Authorization ID 1461351

**Applicant and Facility Information**

Applicant Name	<u>Telford Borough Authority</u>	Facility Name	<u>Telford Borough Authority Water System Well No 4</u>
Applicant Address	<u>50 Penn Avenue</u> <u>Telford, PA 18969-1911</u>	Facility Address	<u>County Line Road</u> <u>Telford, PA 18969</u>
Applicant Contact	<u>Kyle Detweiler</u>	Facility Contact	<u>Gary Yoder</u>
Applicant Phone	<u>(215) 723-5000</u>	Facility Phone	<u>(215) 723-5000</u>
Client ID	<u>86191</u>	Site ID	<u>238169</u>
SIC Code	<u>4941</u>	Municipality	<u>West Rockhill Township</u>
SIC Description	<u>Trans. &amp; Utilities - Water Supply</u>	County	<u>Bucks</u>
Date Application Received	<u>October 25, 2023</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>November 15, 2023</u>	If No, Reason	<u></u>
Purpose of Application	<u>NPDES Permit renewal for backwash discharge of arsenic treatment system on public water supply well.</u>		

**Summary of Review**

The applicant applied for renewal of a National Pollutant Discharge Elimination system (NPDES) permit to discharge filter backwash from an arsenic removal system installed at potable water Well No. 4 of the Telford Water Authority (Authority) in West Rockhill Township, Bucks County.

The well has been offline for many years. The permitted Arsenic removal system has not been constructed. There are no plans to restart the well at this time. The permitted system consists of an air stripper and granular Ferric hydroxide media filter bed. Arsenic would be trapped in the media. Effluent would consist of media bed backwash water, which is classified as an industrial waste, at a rate of 460 gpm for 10 minutes every 2-6 weeks.

Monthly DMRs are up to date and note "no discharge".

The permit includes technology-based limits for TSS and pH. Arsenic is included in the permit as a quarterly monitoring parameter. Total Iron limit is included in the permit at surface water criteria.

The inspection records show that the well has not been operating for several years and there was no reported discharge, so there are no compliance issues with this facility. Since there is no process change, previous limits have been carried over to this renewal.

The additional sampling condition is still included in Part C:

"The facility is non-operational for many years. Before placing the treatment system back online, permittee shall at a minimum take one influent sample and analyze for pollutant group 1 and group 2 parameters using listed Targeted Quantitation Level (TQLs) in the application. The sample results shall be submitted to the Department for review. The permittee will be notified, need for permit amendment based on review of the sampling results.

Approve	Deny	Signatures	Date
X		<i>Amy Boginsky</i> Amy Boginsky, MS, EIT / Environmental Engineering Specialist	March 8, 2024
X		<i>Pravin Patel</i> Pravin C. Patel, P.E. / Environmental Engineer Manager	03/10/2024

**Summary of Review**

Part C Special Conditions:


- Property Rights
- Solid Waste Management
- WQM Permits
- BAT/BCT
- Sample when Operational

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>.0046</u>
Latitude	<u>40° 20' 9.26"</u>	Longitude	<u>-75° 20' 37.08"</u>
Quad Name	<u>Telford</u>	Quad Code	<u>1643</u>
Wastewater Description: <u>Arsenic Removal System backwash water (Well No. 4)</u>			
Receiving Waters	<u>Unnamed Tributary of East Branch Perkiomen Creek (TSF, MF)</u>	Stream Code	<u>01229</u>
NHD Com ID	<u>25999178</u>	RMI	<u>0.0600</u>
Drainage Area	<u>0.31 mi<sup>2</sup></u>	Yield (cfs/mi <sup>2</sup> )	<u>0.0137</u>
Q <sub>7-10</sub> Flow (cfs)	<u>0.00426</u>	Q <sub>7-10</sub> Basis	<u>StreamStats</u>
Elevation (ft)	<u>316.28</u>	Slope (ft/ft)	<u></u>
Watershed No.	<u>3-E</u>	Chapter 93 Class.	<u>TSF, MF</u>
Existing Use	<u>Recreational, Aquatic Life</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></u>	Name	<u></u>
Nearest Downstream Public Water Supply Intake	<u>None</u>		
PWS Waters	<u></u>	Flow at Intake (cfs)	<u></u>
PWS RMI	<u></u>	Distance from Outfall (mi)	<u></u>

Changes Since Last Permit Issuance: None

Compliance History	
<b>Summary of DMRs:</b>	No discharge
<b>Summary of Inspections:</b>	<p>Inspection was conducted by Operations Section on 11/16/23, and no violations were noted. The treatment system has not been constructed, and the well has not operated for years – see below:</p> <p> Telford_Boro_Auth_W ell_4_PA0244279_CEI_1</p>

**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” (386-0400-001), 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	Daily Maximum	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	1/month	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/month	Grab
TSS	XXX	XXX	XXX	30	60	75	1/month	Grab
Total Arsenic	XXX	XXX	XXX	Report	XXX	XXX	1/quarter	Grab
Total Iron	XXX	XXX	XXX	1.5	3.0	3.75	1/month	Grab

Compliance Sampling Location: Outfall 001