

Application Type New
Wastewater Type Sewage
Facility Type SRSTP

**NPDES PERMIT FACT SHEET
INDIVIDUAL SFTF/SRSTP**

Application No. PA0291161
APS ID 1069999
Authorization ID 1407572

Applicant, Facility and Project Information

Applicant Name	<u>Urban Bires</u>	Facility Name	<u>Urban Bires SRSTP</u>
Applicant Address	<u>201 Easy Street</u> <u>Russell, PA 16345-4505</u>	Facility Address	<u>201 Easy Street</u> <u>Russell, PA 16345-4505</u>
Applicant Contact	<u>Urban Bires</u>	Facility Contact	<u></u>
Applicant Phone	<u>(814) 688-1699</u>	Facility Phone	<u></u>
Client ID	<u>372030</u>	Site ID	<u>859414</u>
SIC Code	<u>8800</u>	Municipality	<u>Pine Grove Township</u>
SIC Description	<u>Private Households</u>	County	<u>Warren</u>
Date Application Received	<u>August 15, 2022</u>	WQM Required	<u>Yes</u>
Date Application Accepted	<u>September 30, 2022</u>	WQM App. No.	<u>6222408</u>
Project Description	<u>Single Residence Sewage Treatment Plant.</u>		

Summary of Review

This is a new permit for an existing discharge for an existing 3-bedroom home that had the septic system installed in 1997 without an issued permit.

Act 14 – Proof of Notification was submitted and received.

Treatment consists of (WQM Permit No. 6222408): A 1,250-gallon dual chambered concrete septic tank followed by a 500-gallon pump tank, an existing 20'x30' sand filter, then flows by gravity to a chlorinator, then to a 300-gallon chlorine contact tank.

The EPA Waiver is in effect.

There are no open violations in WMS for the subject Client ID (372030) as of 11/22/2022.

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.

Approve	Deny	Signatures	Date
X		Jordan A. Frey, E.I.T. Jordan A. Frey, E.I.T. / Project Manager	November 22, 2022
X		Adam J. Pesek (Lead Reviewer) for Vacant / Environmental Engineering Manager	November 29, 2022

Discharge, Receiving Waters and Water Supply Information			
Outfall No.	<u>001</u>	Design Flow (MGD)	<u>0.0004</u>
Latitude	<u>41° 54' 52.08"</u>	Longitude	<u>-79° 5' 40.36"</u>
Quad Name	<u>Scandia</u>	Quad Code	<u>41079H1</u>
Wastewater Description: <u>Sewage Effluent</u>			
Receiving Waters	<u>Unnamed Tributary to Widdlefield Run (CWF)</u>	Stream Code	<u>56368</u>
NHD Com ID	<u>129446976</u>	RMI	<u>1.7500</u>
Drainage Area	<u>0.065</u>	Yield (cfs/mi ²)	<u>0.1</u>
Q ₇₋₁₀ Flow (cfs)	<u>0.0065</u>	Q ₇₋₁₀ Basis	<u>Default</u>
Elevation (ft)	<u>1679</u>	Slope (ft/ft)	<u>---</u>
Watershed No.	<u>16-B</u>	Chapter 93 Class.	<u>CWF</u>
Existing Use	<u></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>
Background/Ambient Data		Data Source	
pH (SU)	<u>7.0</u>	Default	<u></u>
Temperature (°F)	<u>20</u>	Default	<u></u>
Hardness (mg/L)	<u>100</u>	Default	<u></u>
Other:	<u></u>		<u></u>
Nearest Downstream Public Water Supply Intake	<u>Aqua Pennsylvania, Inc. - Emlenton</u>		
PWS Waters	<u>Allegheny River</u>	Flow at Intake (cfs)	<u>1376</u>
PWS RMI	<u>90.0</u>	Distance from Outfall (mi)	<u>>25</u>

Changes Since Last Permit Issuance: N/A – This is a proposed discharge (Planning was approved on May 1, 1997).

Other Comments:

This SRSTP was designed in accordance with the SFTF Manual, but it is unable to apply for a PAG-04 General Permit at this time due to the general permit being expired. The existing discharge was to resolve a repair of a malfunctioning on-lot system.

In accordance with the SOP, no water quality modeling was performed since this is a SRSTP.

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) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Average Weekly	Minimum	Annual Average	Maximum	Instant. Maximum		
Flow (GPD)	Report Annl Avg	XXX	XXX	XXX	XXX	XXX	1/year	Estimate
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	Upon Request	Grab
TRC	XXX	XXX	0.5 Avg Mo	XXX	XXX	1.6	1/month	Grab
BOD5	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
TSS	XXX	XXX	XXX	10.0	XXX	20	1/year	Grab
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200	XXX	XXX	1/year	Grab

Compliance Sampling Location: Outfall 001, after disinfection.

Other Comments: None.

Attachment 1
eMap – Location Map

The screenshot shows a web-based GIS application interface. At the top, there are tabs for 'Map', 'eFacts Query', and 'Advanced Query'. Below these are map style options: 'ESRI Streets & Imagery' (selected), 'Topographic', and 'National Geographic'. A toolbar with navigation icons is visible. The main map area displays a topographic map with a stream network. A pop-up window titled 'PA Historic Streams (1 of 5)' is open, showing the following details for 'Widdlefield Run':

- Name: Widdlefield Run
- Net Streams: 102412
- Shed: 16B
- Named: 1
- Rec No: 102412
- Seg ID: 56368_0_2.5159
- Seg ID Old: 56368_0_2.5159
- From Node: 6547
- To Node: 5249
- Down River Mile: 0
- Up River Mile: 2.515932
- WRDS: 56368
- Strahler: 2

Below the pop-up, the coordinates 'Latitude: 41.914467 Longitude: -79.094544' are displayed. On the right side, a 'Locate Latitude and Longitude' dialog is open, showing the same coordinates in a table format:

	Degrees	Minutes	Seconds
Latitude:	41	54	52.08
Longitude:	-79	5	40.36

The dialog also includes 'Locate' and 'Close' buttons. At the bottom left, there is a scale bar from 0 to 0.2 miles. At the bottom right, there is an ESRI logo and the text 'POWERED BY esri'. A footer at the very bottom contains attribution text for the imagery sources.

Attachment 2
Google Earth Imagery

