Pennsylvania Department of Environmental Protection

Northeast Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	Application No.	**PA0062383**
Facility Type	**Industrial**	APS ID	**549308**
Major / Minor	**Minor**	Authorization ID	**1433349**

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

Applicant and Facility Information

Applicant Name	**3 Springs Water Company, LLC**	Facility Name	**3 Springs Water Company, LLC**
Applicant Address	1800 Pine Run Road	Facility Address	1800 Pine Run Road
	Laurel Run, PA 18706-9419		Laurel Run, PA 18706-9419
Applicant Contact	Joe Sokolowski, Plant Manager	Facility Contact	Joe Sokolowski, Plant Manager
Applicant Phone	(570) 823-6446	Facility Phone	(570) 823-6446
Client ID	44273	Site ID	261223
SIC Code	4941	Municipality	Laurel Run Borough
SIC Description	Trans. & Utilities - Water Supply	County	Luzerne
Date Application Received	March 29, 2023	EPA Waived?	Yes
Date Application Accepted	April 4, 2023	If No, Reason	-

Purpose of Application: Renewal of NPDES permit to discharge industrial wastewater.

Summary of Review

The applicant is requesting the renewal of their NPDES permit to discharge up to 0.0064 MGD of industrial wastewater into an Unnamed Tributary to Pine Creek, a Cold Water Fishes, Migratory Fish (CWF, MF) receiving stream in State Water Plan Basin 5-B (Toby- Wapwallopen Creeks). As per the Department's current existing use list, the receiving stream does not have an existing use classification that is more protective than its designated use. This stream segment is designated as a naturally reproducing trout stream as per PA Fish & Boat Commission. This discharge is not expected to affect public water supplies.

The discharge consists of effluent from the plant bottle washer. Filter backwashing does not occur at the facility and there are no other process wastewater streams in the discharge.

The sampling/reporting of Flow and pH has been carried over from the previous permit. The 1/week frequency has been maintained.

Pollutant sampling results submitted with the permit application were entered into the Toxic Management Spreadsheet (TMS). The TMS recommended limitations for Total Cadmium, Total Copper, Total Lead, Total Silver, and Total Zinc. The TMS recommended monitoring/reporting for Total Aluminum, Total Chromium (III), Hexavalent Chromium, Dissolved Iron, and Total Nickel. The permittee was given the opportunity to collect 10 additional samples for the above parameters using a quantitation limit (QL) that is no greater than the Target QLs identified in the permit application. The permittee elected to conduct the additional samples. The sample results were submitted to DEP on July 18, 2025. The sample results appeared to be a grab sample, which will typically yield less accurate data than a composite sample.

Approve	Deny	Signatures	Date
X		Allison Seyfried Zukosky Allison Seyfried Zukosky / Project Manager	August 5, 2025
X		Edward Dudick Edward Dudick, P.E. / Environmental Engineer Manager	August 20, 2025

Summary of Review

The updated results were used to re-run the modeling. The modeling indicated that monitoring/reporting shall still be established for Total Cadmium, Total Copper, and Total Thallium. Therefore, these parameters were added to the permit. Modeling information and results can be observed on pages 6-7 of this fact sheet.

Typically, a frequency of 1/week is applied for pollutants associated with process industrial wastewater. Due to the small size of the facility and discharge, a frequency of 1/quarter has been applied. The renewal application indicates the facility operates 8 hours per day so an 8-hour composite sample type will be applied.

Data from the downstream stream gage 01537500 (Solomon Creek at Wilkes-Barre, PA) was gathered; however, the stream gage was not the most accurate representation of the Unnamed Tributary to Pine Creek. The drainage area at Outfall 001 was also out of the recommended tolerance for the low flow calculation using USGS StreamStats. Therefore, the Q7-10 flow was obtained using StreamStats at the second modeling point and then used to calculate the low flow yield (LFY). Modeling information and calculations can be seen beginning on page 3 of this fact sheet.

The existing permit expired on September 30, 2023 and the application for renewal was received on time.

A Water Management System Inspection query indicated that on September 2, 2022 a Compliance Evaluation was performed.

There are currently two open violations in the Safe Drinking Water Program for this client/facility.

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.

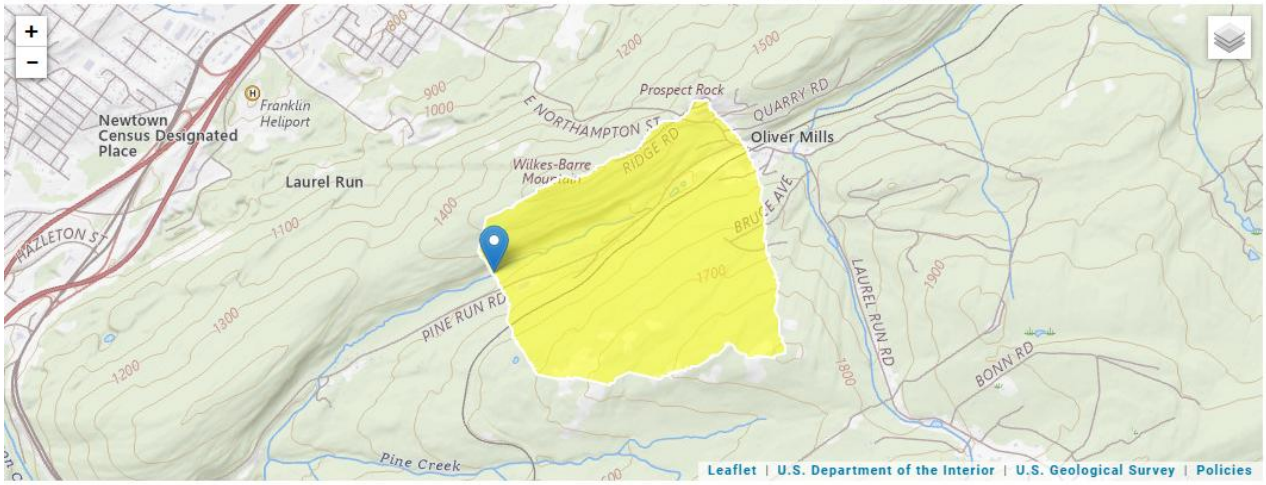
Modeling Using USGS StreamStats Data:

At Outfall 001 to Unnamed Tributary to Pine Creek (63995):

RMI	Elevation (ft)	Drainage Area (mi^2)	Q_{7-10} Flow (cfs)
1.2	1,271.02	0.82	0.0769

StreamStats Report

Region ID:	PA
Workspace ID:	PA20250723165401449000
Clicked Point (Latitude, Longitude):	41.21016, -75.86244
Time:	2025-07-23 12:54:23 -0400



Parameter Code	Parameter Name	Value	Units
CARBON	Percent Carbonate	0	percent
DRNAREA	Drainage Area	0.82	square miles

One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

Low-Flow Statistics Flow Report [Low Flow Region 2]

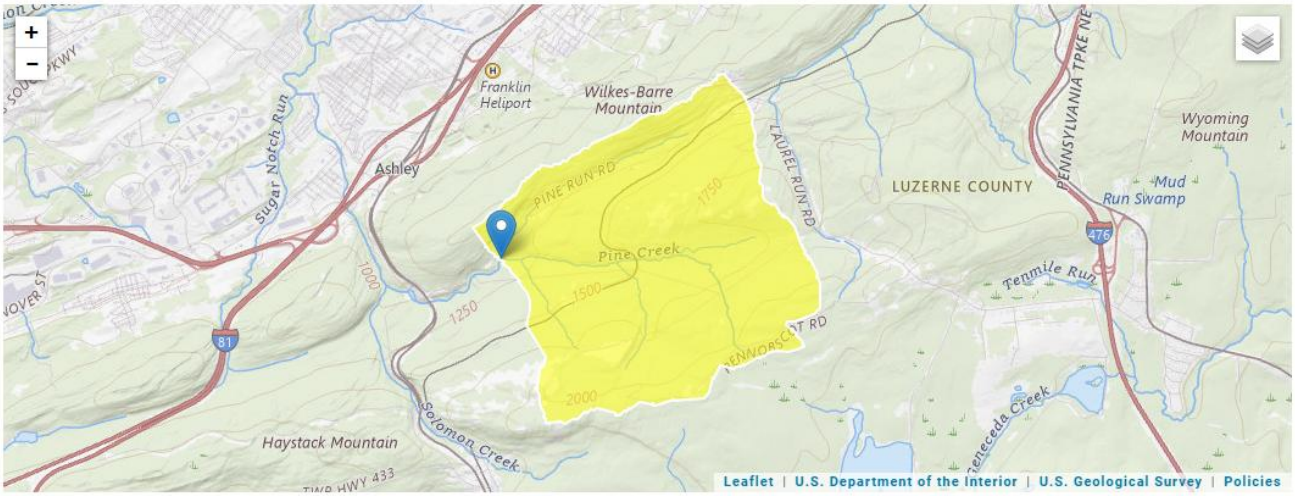
Statistic	Value	Unit
7 Day 2 Year Low Flow	0.178	ft^3/s
30 Day 2 Year Low Flow	0.239	ft^3/s
7 Day 10 Year Low Flow	0.0769	ft^3/s

At confluence with Pine Creek (63994):

RMI	Elevation (ft)	Drainage Area (mi^2)
0.0 1.07 (on Pine Creek)	1,115.56	3.9

StreamStats Report

Region ID:	PA
Workspace ID:	PA20250723165943908000
Clicked Point (Latitude, Longitude):	41.19994, -75.87863
Time:	2025-07-23 13:00:05 -0400



Parameter Code	Parameter Name	Value	Units
DRNAREA	Drainage Area	3.9	square miles

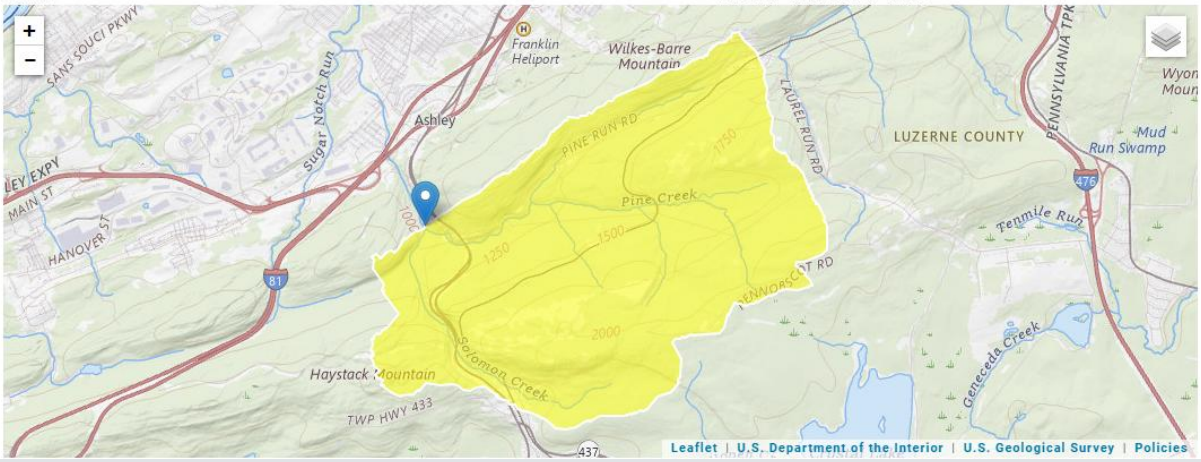
One or more of the parameters is outside the suggested range. Estimates were extrapolated with unknown errors.

At confluence with Solomon Creek (28352):

RMI	Elevation (ft)	Drainage Area (mi^2)
6.244 (on Solomon Creek)	873.20	6.48

StreamStats Report

Region ID:	PA
Workspace ID:	PA20250729121606185000
Clicked Point (Latitude, Longitude):	41.19735, -75.89478
Time:	2025-07-29 08:16:26 -0400



Parameter Code	Parameter Name	Value	Units
CARBON	Percent Carbonate	0	percent
DRNAREA	Drainage Area	6.48	square miles

Statistic	Value	Unit
7 Day 2 Year Low Flow	0.839	ft^3/s
30 Day 2 Year Low Flow	1.14	ft^3/s
7 Day 10 Year Low Flow	0.381	ft^3/s

$$\boldsymbol{LFY} = \frac{Q_{7-10}}{Drainage\ Area\ at\ 3rd\ Modeling\ Point} \times \frac{0.381\ cfs}{6.48\ mi^2} = \mathbf{0.0588}$$

$$\boldsymbol{Stream\ Flow} = Outfall\ 001\ Drainage\ Area \times LFY = 0.82\ mi^2 \times 0.0588 = \mathbf{0.048\ cfs}$$

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Toxics Management Spreadsheet
Version 1.4, May 2023

Discharge Information

Instructions | Discharge | Stream

Facility: **3 Springs Water Company, LLC** NPDES Permit No.: **PA0062383** Outfall No.: **001**

Evaluation Type: **Major Sewage / Industrial Waste** Wastewater Description: **IW from plant bottle washer**

Discharge Characteristics								
Design Flow (MGD)*	Hardness (mg/l)*	pH (SU)*	Partial Mix Factors (PMFs)				Complete Mix Times (min)	
			AFC	CFC	THH	CRL	Q_{7-10}	Q_h
0.0047	8.45	7.1						

					0 if left blank		*0.5 if left blank*		*0 if left blank*			*1 if left blank*	
	Discharge Pollutant	Units	Max Discharge Conc		Trib Conc	Stream Conc	Daily CV	Hourly CV	Stream CV	Fate Coeff	FOS	Criteria Mod	Chem Transl
Group 1	Total Dissolved Solids (PWS)	mg/L		46									
	Chloride (PWS)	mg/L		3.94									
	Bromide	mg/L		0.16									
	Sulfate (PWS)	mg/L		5.18									
	Fluoride (PWS)	mg/L	<	0.05									
Group 2	Total Aluminum	µg/L		62.75									
	Total Antimony	µg/L		0.92									
	Total Arsenic	µg/L	<	2.5									
	Total Barium	µg/L		11.26									
	Total Beryllium	µg/L	<	0.6584									
	Total Boron	µg/L		8.86									
	Total Cadmium	µg/L	<	0.5244									
	Total Chromium (III)	µg/L		3.37									
	Hexavalent Chromium	µg/L		1.8									
	Total Cobalt	µg/L		0.52									
	Total Copper	µg/L		8.65									
	Free Cyanide	µg/L											
	Total Cyanide	µg/L		13.4									
	Dissolved Iron	µg/L	<	20									
	Total Iron	µg/L		51.05									
	Total Lead	µg/L		0.56									
	Total Manganese	µg/L		11.11									
	Total Mercury	µg/L	<	0.2									
	Total Nickel	µg/L		3.03									
	Total Phenols (Phenolics) (PWS)	µg/L		4.7									
	Total Selenium	µg/L		1.75									
	Total Silver	µg/L		0.44									
	Total Thallium	µg/L		0.46									
	Total Zinc	µg/L		11.86									
	Total Molybdenum	µg/L		0.46									
	Acrolein	µg/L	<										
	Acrylamide	µg/L	<										
	Acrylonitrile	µg/L	<										
	Benzene	µg/L	<										
	Bromoform	µg/L	<										

Stream / Surface Water Information

3 Springs Water Company, LLC, NPDES Permit No. PA0062383, Outfall 001

Instructions | Discharge | *Stream*

Receiving Surface Water Name: **Unnamed Tributary to Pine Creek** No. Reaches to Model: **1**

- (●) Statewide Criteria
- ( ) Great Lakes Criteria
- ( ) ORSANCO Criteria

Location	Stream Code*	RMI*	Elevation (ft)*	DA (mi²)*	Slope (ft/ft)	PWS Withdrawal (MGD)	Apply Fish Criteria*
Point of Discharge	063995	2.271	1271.02	0.82			Yes
End of Reach 1	063995	0	873.2	6.48			Yes

$Q_{7\text{-}10}$

Location	RMI	LFY (cfs/mi²)*	Flow (cfs)		W/D Ratio	Width (ft)	Depth (ft)	Velocity (fps)	Travel Time (days)	Tributary		Stream		Analysis	
			Stream	Tributary						Hardness	pH	Hardness*	pH*	Hardness	pH
Point of Discharge	2.271	0.0588										100	7		
End of Reach 1	0	0.0588													

Q_h

Location	RMI	LFY (cfs/mi²)	Flow (cfs)		W/D Ratio	Width (ft)	Depth (ft)	Velocity (fps)	Travel Time (days)	Tributary		Stream		Analysis	
			Stream	Tributary						Hardness	pH	Hardness	pH	Hardness	pH
Point of Discharge	2.271														
End of Reach 1	0														

☑ ***Recommended WQBELs & Monitoring Requirements***

No. Samples/Month: 4

Pollutants	*Mass Limits*		*Concentration Limits*				Governing WQBEL	WQBEL Basis	Comments
	AML (lbs/day)	MDL (lbs/day)	AML	MDL	IMAX	Units			
Total Cadmium	Report	Report	Report	Report	Report	µg/L	1.88	CFC	Discharge Conc > 10% WQBEL (no RP)
Total Copper	Report	Report	Report	Report	Report	µg/L	60.7	AFC	Discharge Conc > 10% WQBEL (no RP)
Total Thallium	Report	Report	Report	Report	Report	µg/L	1.83	THH	Discharge Conc > 10% WQBEL (no RP)

TMS PA0062383.pdf