



Application Type

Renewal

Facility Type

Non-Municipal

Major / Minor

Minor

Application No.

PA0065170

APS ID

1137948

Authorization ID

1528264

**NPDES PERMIT FACT SHEET
INDIVIDUAL SEWAGE**

Applicant and Facility Information

Applicant Name	Crystal Window & Door Systems PA, LLC	Facility Name	Benton Park STP
Applicant Address	204 Franklin Valley Road	Facility Address	204 Franklin Valley Road
	Dalton, PA 18414		Dalton, PA 18414
Applicant Contact	Mike DelPrete	Facility Contact	Dan Farnham
Applicant Phone	(570) 276-8000	Facility Phone	(570) 319-1706
Client ID	324171	Site ID	484568
Ch 94 Load Status	Not Overloaded	Municipality	Benton Township
Connection Status	No Limitations	County	Lackawanna
Date Application Received	May 23, 2025	EPA Waived?	Yes
Date Application Accepted	May 23, 2025	If No, Reason	-
Purpose of Application	Renewal of NPDES permit.		

Summary of Review

The applicant is requesting renewal of their NPDES permit to discharge up to 0.0315 MGD of treated sewage into Tributary 28879 to South Branch Tunkhannock Creek, a cold water and migratory fish (CWF, MF) receiving stream in State Water Plan Watershed 04-F (Tunkhannock Creek). 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. The discharge is not expected to affect public water supplies. Average flow from the facility over the past year was 0.0023 MGD.

Water quality-based limitations for Total Phosphorus and Dissolved Oxygen are carried over from the previous renewal. The Total Phosphorus limitations were imposed to control nutrient discharges to downstream Lackawanna Lake as detailed in an August 7, 2007 memo from a DEP NERO biologist. The lake continues to be listed as impaired for nutrients in the 2024 Integrated Monitoring and Assessment Report.

WQM 7.0 modeling recommended more stringent water quality-based summertime limitations for Ammonia-Nitrogen (16.4 mg/L monthly average, 32.8 mg/L IMAX). eDMR review shows the permittee will be able to consistently meet the revised limitations. The highest reported Ammonia-N and monthly average concentration since 2018 was 0.606 mg/L (March 2023). The wintertime Ammonia-N monitoring requirements are carried over.

Annual monitoring requirements for Total Kjedahl Nitrogen (TKN), Nitrite-Nitrate as Nitrogen, and Total Nitrogen are added to this renewal. Note: the previous renewal fact sheet indicated monitoring requirements would be included for these parameters, however, it appears the parameters were not coded into WMS.

Technology-based limitations for pH, TRC, Fecal Coliform, CBOD₅, and TSS are carried over from the previous renewal. Annual monitoring requirements for E. Coli are added to the permit as per current guidance.

Approve	Deny	Signatures	Date
X		 Brian Burden, E.I.T. / Project Manager	August 26, 2025
X		 Edward Dudick, P.E. / Environmental Engineer Manager	August 27, 2025

Summary of Review

Sampling frequencies for all parameters with limitations are in accordance with Table 6-3 of DEP's Technical Guidance for the Development and Specification of Effluent Limits.

The existing NPDES permit expired on December 31, 2024 and the renewal application was submitted on May 23, 2025. An administrative extension letter was sent to the permittee on August 26, 2025.

Sludge use and disposal description and location(s): The permit renewal application indicates 0.763 dry tons of sewage sludge was hauled by Rural Wastewater to a land reclamation site during the previous year.



WQM
Modeling.pdf



TRC Calculation.pdf



Watershed
Information.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.	001	Design Flow (MGD)	0.0315
Latitude	41° 35' 9"	Longitude	-75° 39' 22"
Quad Name	Dalton	Quad Code	0640
Wastewater Description: Sewage Effluent			
Receiving Waters	Tributary 28879 to South Branch Tunkhannock Creek (CWF, MF)	Stream Code	28879
NHD Com ID	66403337	RMI	1.05
Drainage Area	14.2	Yield (cfs/mi ²)	0.02
Q ₇₋₁₀ Flow (cfs)	0.295	Q ₇₋₁₀ Basis	USGS StreamStats
Elevation (ft)	1060	Slope (ft/ft)	0.0012
Watershed No.	4-F	Chapter 93 Class.	CWF, MF
Existing Use	-	Existing Use Qualifier	-
Exceptions to Use	-	Exceptions to Criteria	-
Assessment Status	Attaining Uses		
Cause(s) of Impairment	-		
Source(s) of Impairment	-		
TMDL Status	-	Name	-
Background/Ambient Data			
pH (SU)	7	Data Source	
Temperature (°C)	20	Default value	
Hardness (mg/L)	-	Default value	
Other:	-	-	
Nearest Downstream Public Water Supply Intake			
PWS Waters	Susquehanna River	Flow at Intake (cfs)	1123
PWS RMI	122.5	Distance from Outfall (mi)	~105

Treatment Facility Summary				
Treatment Facility Name: Benton Park STP				
WQM Permit No.		Issuance Date		
3587401		2/2/1987		
3587401-T3		4/27/2016		
Waste Type	Degree of Treatment	Process Type	Disinfection	Avg Annual Flow (MGD)
Sewage	Secondary	Extended Aeration	Hypochlorite	0.0315
Hydraulic Capacity (MGD)	Organic Capacity (lbs/day)	Load Status	Biosolids Treatment	Biosolids Use/Disposal
0.0315	26	Not Overloaded	None	Hauled Offsite

Development of Effluent Limitations

Outfall No. 001
Latitude 41° 35' 9"
Wastewater Description: Sewage Effluent

Design Flow (MGD) 0.0315
Longitude -75° 39' 22"

Technology-Based Limitations

The following technology-based limitations apply, subject to water quality analysis and BPJ where applicable:

Pollutant	Limit (mg/l)	SBC	Federal Regulation	State Regulation
CBOD ₅	25.0	Average Monthly	133.102(a)(4)(i)	92a.47(a)(1)
	50.0	IMAX	-	-
Total Suspended Solids	30.0	Average Monthly	133.102(b)(1)	92a.47(a)(1)
	60.0	IMAX	-	-
pH	6.0 – 9.0 S.U.	Min – Max	133.102(c)	95.2(1)
Fecal Coliform (5/1 – 9/30)	200 / 100 ml	Geo Mean	-	92a.47(a)(4)
	1,000 / 100 ml	IMAX	-	92a.47(a)(4)
Fecal Coliform (10/1 – 4/30)	2,000 / 100 ml	Geo Mean	-	92a.47(a)(5)
	10,000 / 100 ml	IMAX	-	92a.47(a)(5)
Total Residual Chlorine	0.5	Average Monthly	-	92a.48(b)(2)
	1.6	IMAX	-	-

Water Quality-Based Limitations

The following limitations were determined through water quality modeling:

Parameter	Limit (mg/l)	SBC	Model
Dissolved Oxygen	5.0	Minimum	Previous modeling
Ammonia-Nitrogen (5/1 – 10/31)	16.4	Average Monthly	2025 WQM 7.0 Modeling
	32.8	IMAX	
Total Phosphorous	2.0	Average Monthly	8/7/2007 PA DEP Biologist Memo
	4.0	IMAX	

Anti-Backsliding

No limitations were removed from the permit or made less stringent.



Pennsylvania
Department of
Environmental Protection