Pennsylvania Department of Environmental Protection

Southcentral Regional Office
CLEAN WATER PROGRAM

Application Type	**Renewal**	**NPDES PERMIT FACT SHEET INDIVIDUAL SFTF/SRSTP**		Application No.	**PA0034011**
Wastewater Type	**Sewage**			APS ID	**275260**
Facility Type	**SFTF**			Authorization ID	**1551636**

Applicant, Facility and Project Information

Applicant Name	**Bedford Tech Products LLC**	Facility Name	**Bedford Tech Products**
Applicant Address	7676 Allegheny Road	Facility Address	7676 Allegheny Road
	Manns Choice, PA 15550-8967		Manns Choice, PA 15550-8967
Applicant Contact	William Pataki	Facility Contact	William Pataki
Applicant Phone	(814) 623-9014	Facility Phone	(814) 623-9014
Client ID	87435	Site ID	452149
SIC Code	2295	Municipality	Napier Township
SIC Description	Manufacturing - Coated Fabrics	County	Bedford
Date Application Received	December 9, 2025	WQM Required	Issued
Date Application Accepted	March 31, 2026	WQM App. No.	0508404

Project Description: Renewal of an existing SFTF for the treatment of discharge of sewage and stormwater.

Summary of Review

Bedford Technical Products is an existing paper product manufacturer located in Bedford County. The STP, according to the application, treats sanitary wastewater only from employee bathrooms. Based on the site visit, the treatment process is as follows:

> The subject facility treats wastewater using a 2,000-galon septic tank, a 1,600-recirculation/blend tank, an Advantex textile filter, UV disinfection, a 2,000-gallon post aeration tank, and a discharge pump prior to discharge through the outfall. The facility is being evaluated for flow, pH, dissolved oxygen, CBOD5, TSS, fecal coliform, and phosphorus.

OTHER WASTEWATER / PERMITS

Along with this NPDES renewal for their SFTF, the facility, with approval from DEP, has incorporated IW Stormwater permit regulations and conditions into their SFTF permit to allow for consolidation amongst permits.

The facility currently has two (2) outfalls that discharge stormwater (002, 003). The table below describes the activities that occur in the drainage area that are exposed to precipitation for each outfall:

Outfall No.	Area Drained (ft^2)	Latitude	Longitude	Description
002	41,485	40° 2’ 22.76”	-78° 33’ 37.55”	Parking lot for employees
003	54,055	40° 2’ 20”	-78° 33’ 35.89”	Building roof of manufacturing plant

The facility is not covered under a separate permit for discharge of stormwater associated with industrial activities. Based on the facility’s Standard Industrial Classification (SIC) Code of 2672- Coated and Laminated Paper, NPDES coverage for

Approve	Deny	Signatures	Date
X		*Jared Lescavage* Jared Lescavage / Project Manager	March 31, 2026
x		*Scott M Arwood* Scott M. Arwood, P.E. / Environmental Engineer Manager	04/08/2026

Summary of Review

stormwater discharge is required. If coverage was under the PAG-03 general permit, Appendix E would be applicable to the two stormwater outfalls.

Since the issuance of the last permit, Appendix E from the PAG-03 permit has been modified to include pollutant sampling of Total Nitrogen and Total Phosphorus. This has been reflected in the sampling for Outfalls 002 and 003 in this draft permit.

Outfall 002 collects stormwater from the parking lot and roof drains and is conveyed to an outfall structure located on the south side of the building.

Outfall 003 is not an actual outfall that discharges to the stream, but it is a point at which the back area of the site where the impervious areas of the back area seem to collect. The impervious area comprises approximately 30% of the back area. The stormwater then drains off to a grassy area approximately 500 feet from the stream.

Sampling frequency for stormwater outfalls 002 and 003 has been increased to once every six months to align with the PAG-03 requirements.

SFTF LIMITS:

DEVELOPMENT OF EFFLUENT LIMITATIONS

a. pH / Dissolved Oxygen

   Existing pH and Dissolved Oxygen (D.O.) limits will remain in the permit. pH limits (above 6.0 and below 9.0 standard units) are required by 40 CFR § 133.102(c), federal regulation for secondary treatment requirements. A D.O. limit (minimum of 5.0 mg/L) are also required by 25 Pa.Code § 93.7.

b. CBOD5 / Total Suspended Solids (TSS)

   The Department's Standard Operating Procedure (SOP) for *new and reissuance small flow treatment facility individual NPDES permit application* (SOP no. BPNPSM-PMT-003) recommends 10 mg/L of AML and 20 mg/L of IMAX for both COBD5 and TSS. Since the facility has been consistently meeting existing requirements and does not discharge directly to surface waters (i.e., supporting aquatic life), existing CBOD5 limits (AML of 25 mg/L and IMAX of 50 mg/L) and TSS limits (AML of 30 mg/L and IMAX of 60 mg/L) will still remain in the permit. These limits are also consistent with 25 Pa.Code §92a.47(a)(1) and (2) and 40 CFR § 133.102(a) and (b).

c. Fecal Coliform

   In accordance with 25 Pa.Code § 92a.47(a) and (b), existing fecal coliform AMLs (200/100 mL for summer and 2,000/100 mL for winter) will remain in the permit. IMAX limits will be included in the permit as per 25 Pa.Code § 92a.47(a) and (b).

DEVELOPMENT OF EFFLUENT MONITORING

a. Flow

   Flow monitoring will remain in the permit. This requirement is in accordance with 40 CFR § 122.44(i)(1)(ii).

b. Chesapeake Bay Monitoring Requirements

   Small flow treatment facilities are generally exempt from the Bay requirements.

MONITORING AND REPORTING REQUIREMENTS

Based on current conditions of the facility, existing monitoring and reporting requirements for CBOD5, TSS, and Fecal Coliform (i.e., 2/month grab sampling) and pH, D.O., and TRC (i.e., 1/day grab sampling) will remain in the permit. These requirements are recommended by Table 6-3 of the Department's permit guidance, *Technical Guidance for the Development and Specification of Effluent Limitations and Other Permit Conditions in NPDES Permits (362-0400-001)*.

Summary of Review

The previous permit renewal from 2020 allowed the permittee to estimate the volume of effluent on a daily basis. As noted in the facility's January 16, 2014 inspection report, the permittee was put on notice that during this renewal that their flow monitoring requirements would be updated during the next renewal. Per Table 6-3 of the Department's permit guidance, *Technical Guidance for the Development and Specification of Effluent Limitations and Other Permit Conditions in NPDES Permits (362-0400-001)*, a facility rated for 2,000 gpd should measure flow at least weekly. Weekly flow monitoring was implemented in the previous permit renewal and will be kept as a condition in the current permit moving forward.

ANTI-DEGRADATION REQUIREMENTS

All proposed effluent limits and monitoring requirements have been developed to ensure that existing instream water uses and the level of water quality necessary to protect the existing uses are maintained and protected. No High-Quality Waters are impacted by this discharge. No Exceptional Value Waters are impacted by this discharge.

CLASS A WILD TROUT STREAMS

No Class A Wild Trout Fishery is impacted by this discharge.

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.

Commented [AS1]: You think this language was applicable to the previous 2000 renewal only? Maybe it should be changed to say that this was done in 2000 and will be continued?

Commented [JL2R1]: Yea I can change that.

Commented [JL3R1]: Do you think I should keep this paragraph and add a note that this was a previous requirement that will be kept the same, or should I change the paragraph entirely?

Commented [4R1]: I'd keep it but make it past tense, saying it was changed in 2020 and it will stay that way

Discharge and Stream Data – 2 - Receiving Waters and PWS

Discharge, Receiving Waters and Water Supply Information

Outfall No.	001	Design Flow (MGD)	.002
Latitude	40º 2' 17.76"	Longitude	-78º 33' 33.15"
Quad Name		Quad Code	
Wastewater Description:	Sewage Effluent		
Receiving Waters	Unnamed Tributary to Raystown Branch Juniata River (WWF)	Stream Code	15087
NHD Com ID	65847365	RMI	
Drainage Area	2.04 mi^2	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.0235	Q_{7-10} Basis	StreamStats
Elevation (ft)		Slope (ft/ft)	
Watershed No.	11-C	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS		
Source(s) of Impairment	INDUSTRIAL POINT SOURCE DISCHARGE		
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)		
Temperature (°F)		
Hardness (mg/L)		
Other:		

Nearest Downstream Public Water Supply Intake	Bedford Borough Water Authority		
PWS Waters	Raystown Branch Juniata River	Flow at Intake (cfs)	
PWS RMI	97	Distance from Outfall (mi)	2

Changes Since Last Permit Issuance: None

Other Comments: N/A

Discharge, Receiving Waters and Water Supply Information

Outfall No.	002	Design Flow (MGD)	.002
Latitude	40º 2' 20.42"	Longitude	-78º 33' 37.22"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to Raystown Branch Juniata River (WWF)	Stream Code	15087
NHD Com ID	65847365	RMI	
Drainage Area	2.04	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.0235	Q_{7-10} Basis	StreamStats
Elevation (ft)		Slope (ft/ft)	
Watershed No.	11-C	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS		
Source(s) of Impairment	INDUSTRIAL POINT SOURCE DISCHARGE		
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)		
Temperature (°F)		
Hardness (mg/L)		
Other:		

Nearest Downstream Public Water Supply Intake	Bedford Borough Water Authority		
PWS Waters	Raystown Branch Juniata River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	2

Changes Since Last Permit Issuance: Addition of TN and TP to the sampling of stormwater outfalls for Appendix E

Other Comments: None

Discharge, Receiving Waters and Water Supply Information

Outfall No.	003	Design Flow (MGD)	0
Latitude	40º 2' 17.82"	Longitude	-78º 33' 33.29"
Quad Name		Quad Code	
Wastewater Description:	Stormwater		
Receiving Waters	Unnamed Tributary to Raystown Branch Juniata River (WWF)	Stream Code	15087
NHD Com ID	65847365	RMI	
Drainage Area	2.04	Yield (cfs/mi^2)	
Q_{7-10} Flow (cfs)	0.0235	Q_{7-10} Basis	StreamStats
Elevation (ft)		Slope (ft/ft)	
Watershed No.	11-C	Chapter 93 Class.	WWF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	NUTRIENTS		
Source(s) of Impairment	INDUSTRIAL POINT SOURCE DISCHARGE		
TMDL Status		Name	

Background/Ambient Data		Data Source
pH (SU)		
Temperature (°F)		
Hardness (mg/L)		
Other:		

Nearest Downstream Public Water Supply Intake	Bedford Borough Water Authority		
PWS Waters	Raystown Branch Juniata River	Flow at Intake (cfs)	
PWS RMI		Distance from Outfall (mi)	2

Changes Since Last Permit Issuance: Addition of TN and TP to the sampling of stormwater outfalls for Appendix E

Other Comments: None

Compliance History	
Summary of DMRs:	DMRs have been submitted in a timely manner. The reported values of DO have been exceeding the limit in the past year or more. This will be noted going forward. All other pollutant limits have been managed appropriately.
Summary of Inspections:	Inspections have been concluded almost yearly at the site. In the past 5 years of inspections, no violations have been noted.

Other Comments: **None**

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	Average Monthly	Maximum	Instant. Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/day	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	9.0	1/day	Grab
DO	XXX	XXX	5.0 Inst Min	XXX	XXX	XXX	1/day	Grab
CBOD5	XXX	XXX	XXX	25	XXX	50	1/month	8-Hr Composite
TSS	XXX	XXX	XXX	30	XXX	60	1/month	8-Hr Composite
Fecal Coliform (No./100 ml)	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/month	Grab
Total Phosphorus	XXX	XXX	XXX	2.0	XXX	4	1/month	8-Hr Composite

Compliance Sampling Location: Outfall 00

Other Comments: None

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 002, 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	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Grab

Compliance Sampling Location: Outfall 002

Other Comments: Addition of TN and TP based on changes made to Appendix E requirements in the PAG-03 permit.

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 003, 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	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Grab
COD	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Grab
TSS	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Grab
Total Nitrogen	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Calculation
Total Phosphorus	XXX	XXX	XXX	XXX	Report	XXX	1 / 6 months	Grab

Compliance Sampling Location: Outfall 003

Other Comments: Addition of TN and TP based on changes made to Appendix E requirements in the PAG-03 permit.