

Application Type Renewal
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0267112
APS ID 1069083
Authorization ID 1521998

Applicant and Facility Information

Applicant Name	<u>Gelest Inc.</u>	Facility Name	<u>Gelest Inc.</u>
Applicant Address	<u>281 Industrial Road</u> <u>Glen Rock, PA 17327-8601</u>	Facility Address	<u>158 Industrial Road</u> <u>Glen Rock, PA 17327-8626</u>
Applicant Contact	<u>Melissa Payne</u>	Facility Contact	<u>Melissa Payne</u>
Applicant Phone	<u>(717) 227-1774</u>	Facility Phone	<u>(717) 227-1774</u>
Client ID	<u>116805</u>	Site ID	<u>501589</u>
SIC Code	<u>2869</u>	Municipality	<u>Springfield Township</u>
SIC Description	<u>Manufacturing - Industrial Organic Chemicals, Nec</u>	County	<u>York</u>
Date Application Received	<u>April 3, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>April 17, 2025</u>	If No, Reason	<u></u>
Purpose of Application	<u>NPDES discharge of stormwater associated with industrial activity.</u>		

Summary of Review

This is a renewal application for a NPDES individual permit for discharges of stormwater associated with industrial activity located in Springfield Township, York County. See Figures 1a and 1b for a Site Plan.

The facility's SIC code is 2869 (Manufacturing – Industrial Organic Chemicals) which requires a NPDES permit for discharges of stormwater associated with industrial activity. Since the facility discharges to a High Quality (HQ) surface water, the facility does not qualify for a PAG-03 general permit. Therefore, the facility must be covered under an individual permit for discharges of stormwater associated with industrial activity. If the facility qualified for a PAG-03, they would fall under Appendix F (Chemicals and Allied Products) based on their SIC code.

Facility Description: Manufacturing facility for specialty chemicals.

A renewal application was received on 4/3/2025 via PUP 307576. The application was deemed complete on 4/17/2025. Technical deficiencies were issued via email on 5/14/2025. The technical deficiencies were addressed via email on 5/27/2025.

The facility has one outfall: Outfall 001. Outfall 001 is located at the discharge of a stormwater basin on the northwestern portion of the property and receives stormwater runoff from manufacturing, storage, and rooftops, and a parking lot. Outfall 001 discharges to Seaks Run (HQ-CWF, MF).

The PPC Plan was last updated May 2024.

Approve	Deny	Signatures	Date
X		Jacob S. Rakowsky Jacob S, Rakowsky, E.I.T. / Project Manager	7/1/2025
X		Scott M. Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	7/15/2025

Summary of Review

Part C permit conditions require semi-annual site inspections as well as implementation of BMPs and implementation of the facility PPC Plan. Given the BMPs in place, the discharge is not expected to have any measurable effect on the water quality of the receiving stream.

EPA waiver is in effect.

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)	N/A (stormwater)
Latitude	39° 49' 7"	Longitude	-76° 41' 15"
Wastewater Description: Stormwater associated with industrial activity.			
Receiving Waters	Seaks Run (HQ-CWF, MF)	Stream Code	8129
NHD Com ID	57473071	RMI	3.48
Drainage Area	0.28 sq. mi.	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	0.0225	Q ₇₋₁₀ Basis	StreamStats
Watershed No.	7-H	Chapter 93 Class.	HQ-CWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Attaining Use(s)		
Cause(s) of Impairment			
Source(s) of Impairment			
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	York Water Company		
PWS Waters	East Branch Codorus Creek (Lake Redman)	Municipality	York Twp, York County
PWS RMI	2.67	Distance from Outfall (mi)	10

Drainage Area (sf): 178,000

% Impervious: 36%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
Manufacturing and storage facility, waste tanks and butyl acrylate storage tanks.

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
Detention Basin

Compliance History	
Summary of DMRs:	<p>A summary of eDMR data and application sampling can be found in Table 1 below.</p> <p>The facility was required to submit E. coli and Fecal Coliform impairment sampling results due to the pathogens impairment of the receiving water. The discharge is not expected to cause or contribute to the impairments.</p> <p>The facility is up to date on their eDMR submissions.</p>
Summary of Inspections:	<p>The facility was last inspected on 6/1/2022. No violations were noted.</p> <p>The client currently has no open violations that should affect issuance of the final permit.</p>

Table 1. Last 2 Years of eDMR Sampling Results for Outfall 001

Parameter (mg/L)	1st Half 2023	2nd Half 2023	1st Half 2024	2nd Half 2024	2025 Application		avg	max
COD	No Discharge	No Discharge	111	30	18		53	111
pH (S.U.)	No Discharge	No Discharge	7.66	8.16	7.66		7.826667	8.16
TSS	No Discharge	No Discharge	15	2	7		8	15
Nitrate-Nitrite as N	No Discharge	No Discharge	0.22	0.16	0.3		0.226667	0.3
TP	No Discharge	No Discharge	0.0606	0.005	0.104		0.056533	0.104
Total Iron	No Discharge	No Discharge	0.51	0.14	0.32		0.323333	0.51
Total Lead	No Discharge	No Discharge	0.001	0.00033	0.00074		0.00069	0.001
Total Zinc	No Discharge	No Discharge	0.019	0.014	0.022		0.018333	0.022
Total Aluminum	No Discharge	No Discharge	0.53	0.11	0.22		0.286667	0.53
Oil and Grease	-	-	-	-	3.8		3.8	3.8
BOD5	-	-	-	-	5.7		5.7	5.7
TN	-	-	-	-	1.13		1.13	1.13
TKN	-	-	-	-	0.8		0.8	0.8

Summary of Sampling Results:

No values in Table 1 exceeded typical PAG-03 benchmarks. The applicable PAG-03 benchmarks include: 30 mg/L for Oil and Grease; 30 mg/L for BOD5; 120 mg/L for COD; 100 mg/L for TSS; 9.0 S.U. for pH; 3.0 for Nitrate-Nitrite as N.

Based on the facility's **SIC code of 2869**, the applicable PAG-03 NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix F**, which would include semiannual monitoring of TN, TP, pH, COD, TSS, Nitrate + Nitrite-Nitrogen, Total Lead, Total Zinc, Total Iron, and Total Aluminum.

Proposed Effluent Limitations and Monitoring Requirements

All parameters from PAG-03 Appendix F are included in this permit for Outfall 001. No additional parameters have been added.

Table 3. Proposed Monitoring Requirements for Outfall 001:

Parameter	Effluent Limitations				Monitoring Requirements ^{(1),(2)}	
	Concentrations (mg/L)				Minimum Measurement Frequency	Required Sample Type
	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
pH (S.U.)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Nitrogen (mg/L) ⁽³⁾	XXX	XXX	Report	XXX	1/6 months	Calculation
Total Phosphorus (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Chemical Oxygen Demand (COD) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Suspended Solids (TSS) (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Nitrate + Nitrite-Nitrogen (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Lead (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Zinc (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Iron (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab
Total Aluminum (mg/L)	XXX	XXX	Report	XXX	1/6 months	Grab

Footnotes

- (1) In accordance with Part C V.C., the permittee shall conduct additional monitoring if specified by DEP in the letter authorizing permit coverage or other correspondence.
- (2) This is the minimum number of sampling events required. Permittees may optionally perform additional sampling.
- (3) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO₂+NO₃-N), where TKN and NO₂+NO₃-N are measured in the same sample.

Benchmarks for pH of 9.0 S.U., TSS of 100 mg/L, COD of 120 mg/L, Nitrate + Nitrite-Nitrogen of 3.0 mg/L are included, which is typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023).

The BMPs from Appendix F are included.

The requirement to submit an Annual Report is included.

The requirement for routine inspections on a semiannual basis is included.

Antidegradation (93.4):

The applicant is not proposing a new or increased discharge to HQ or EV waters, so Module 1 (Anti Degradation Module) was not included with the application.

The effluent limits for this discharge 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. Best Management Practices will ensure that the existing instream uses are protected. No Exceptional Value Waters are impacted by this discharge.

The designated use of the receiving waters are as follows:

Seaks Run (HQ-CWF, MF)

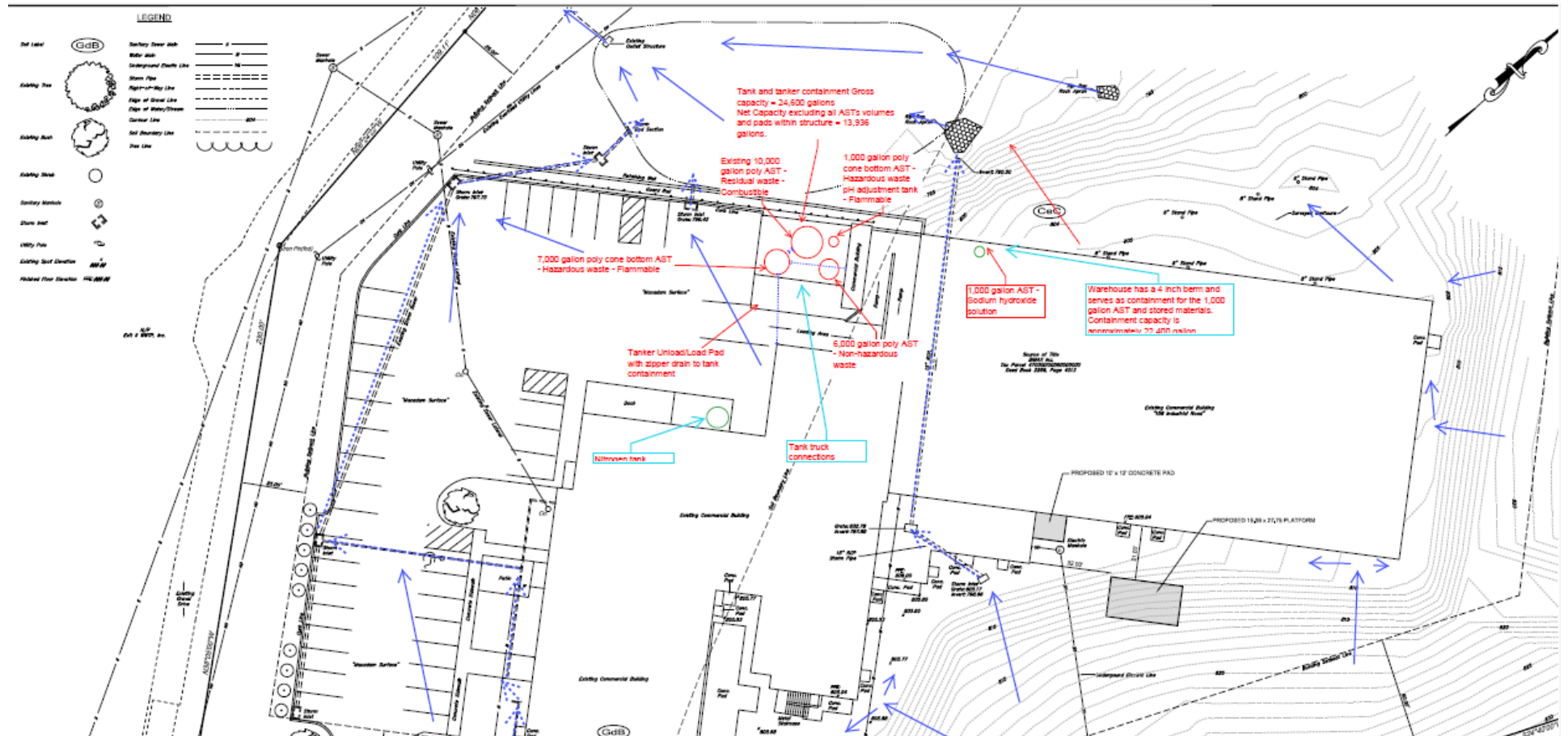


Figure 1a. Site Plan (1 of 2)

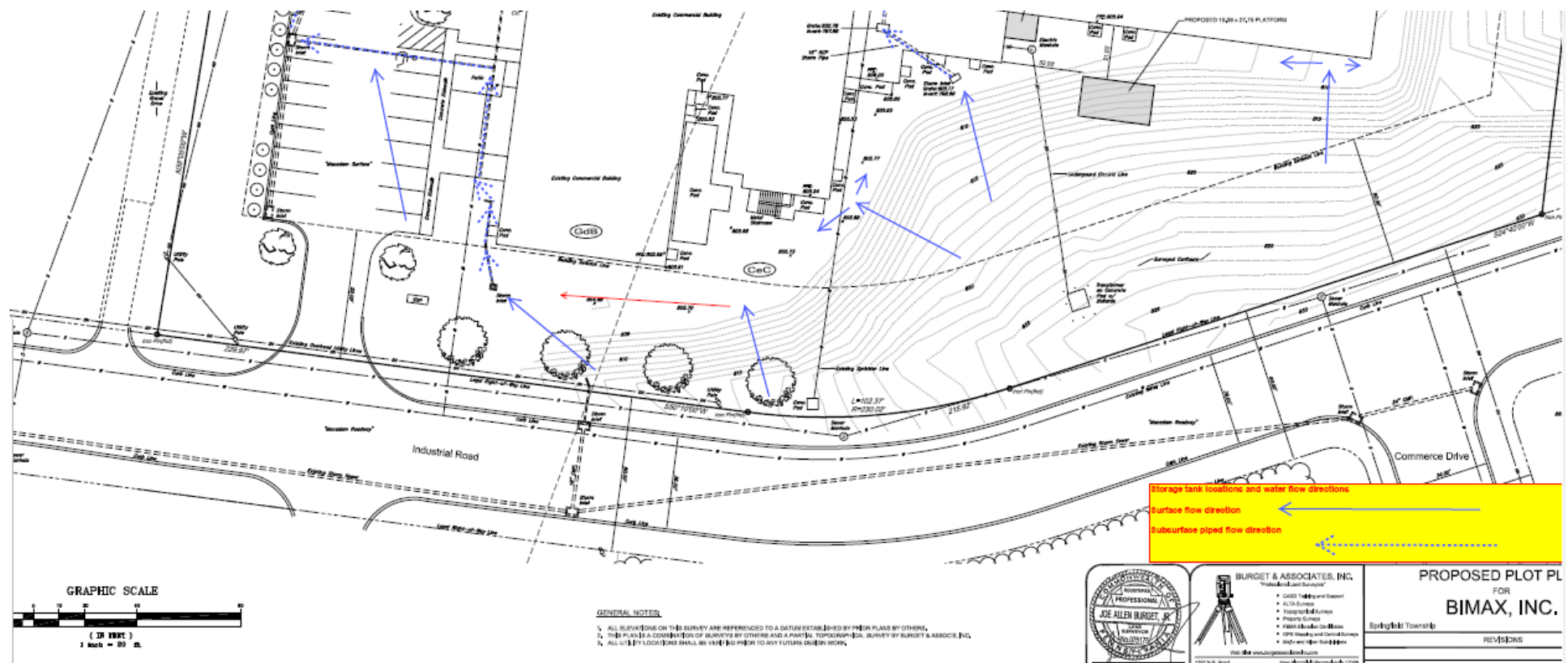


Figure 1b. Site Plan (2 of 2)