

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0294446
APS ID 1115282
Authorization ID 1487860

Applicant and Facility Information

| | | | |
|---------------------------|---|------------------|---|
| Applicant Name | <u>Gelest Inc.</u> | Facility Name | <u>Gelest Inc. Glen Rock Plant</u> |
| Applicant Address | <u>281 Industrial Road</u> <u>Glen Rock, PA 17327-8601</u> | Facility Address | <u>385 Industrial Road</u> <u>Glen Rock, PA 17327-8635</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>872308</u> |
| SIC Code | <u>4226</u> | Municipality | <u>Springfield Township</u> |
| SIC Description | <u>Trans. & Utilities - Special Warehousing And Storage, Nec</u> | County | <u>York</u> |
| Date Application Received | <u>June 7, 2024</u> | EPA Waived? | <u>Yes</u> |
| Date Application Accepted | <u>June 13, 2024</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 new application for a NPDES individual permit for discharges of stormwater associated with industrial activity located in Springfield Township, York County. See Figure 1 for a Site Plan.

The facility's primary SIC code is 4226 (warehousing and storage) which requires an NPDES permit. Since the facility discharges to an HQ surface water, the facility must be covered under a NPDES Individual Permit for Discharges of Stormwater Associated with Industrial Activities. If the facility qualified for a PAG-03, they would fall under Appendix L based on their SIC Code.

The facility originally applied for a No Exposure Certification under NOEXSC424. The No Exposure Certification application was denied since the facility's discharge to an HQ receiving water makes it ineligible for a No Exposure Certification.

Facility Description: Warehouse building was built for the non-contact storage of chemicals used and manufactured at the facility.

An application was received 6/7/2024. The application was deemed complete on 6/13/2024.

The facility has one outfall, Outfall 001, which is listed as a no exposure outfall. Stormwater from the property consists of runoff from the warehouse building and parking lot. Stormwater is collected in a subsurface infiltration basin and bed (Basin No. 1), which lies underneath the parking lot. If this basin fills to capacity, the water would then run to Basin No. 2 which is on the property. This would take a significant amount of rainfall. If discharge occurs in Basin No. 2, sampling will occur as this is identified as Outfall 001, however, this outfall is not expected to discharge off site. If there were to be a discharge, it would discharge to Seaks Run (HQ-CWF, MF).

| Approve | Deny | Signatures | Date |
|---------|------|--|-----------|
| X | | <i>Jacob S. Rakowsky</i> Jacob S. Rakowsky, E.I.T. / Project Manager | 6/13/2024 |
| X | | <i>Scott M. Arwood</i> Scott M. Arwood, P.E. / Environmental Engineer Manager | 6/13/2024 |

Summary of Review

Per the application, the PPC Plan was last updated in May 2024.

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 |
| Latitude | 39° 49' 18.40" | Longitude | -76° 41' 1.84" |
| Wastewater Description: Stormwater associated with industrial activities. | | | |
| Receiving Waters | Seaks Run (HQ-CWF, MF) | Stream Code | 8129 |
| NHD Com ID | 57473071 | RMI | 3.31 |
| Drainage Area | 0.41 sq. mi. | Yield (cfs/mi ²) | |
| Q ₇₋₁₀ Flow (cfs) | 0.0435 | 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 | South Branch Codorus Creek | Municipality | Spring Garden Township, York County |
| PWS RMI | 0.29 | Distance from Outfall (mi) | ~14.7 |

Drainage Area: 29,621 SF

% Impervious: 14%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
Warehouse roof and parking lot

Description of Treatment or BMPs in Drainage Area to Control Pollutants in Stormwater:
Subsurface infiltration bed (Basin No. 1). Overflow is directed to infiltration basin (Basin No. 2).

Outfall 001 is listed as a no exposure outfall.

| Compliance History | |
|--------------------------------|--|
| | |
| Summary of DMRs: | Since this is an application for a new permit, DMR data is not available. DEP allowed an exemption from application sampling due to the facility's BMPs and lack of a discharge. |
| Summary of Inspections: | Since this is an application for a new permit, inspections have not been conducted at the site. |

Other Comments: The client currently has an open violation with DEP's Hazardous Waste Program. Open violations will need to be resolved prior to issuance of the final permit.

Proposed Effluent Limitations and Monitoring Requirements

Based on the facility's **SIC Code of 4226**, the **applicable PAG-03** NPDES Permit for Discharges of Stormwater Associated with Industrial Activity (effective 3/24/2023) appendix is **Appendix L**, which would include the following monitoring requirements:

Table 1. PAG-03, Appendix L Requirements

| Parameter | Monitoring Requirements ^{(1),(2)} | | Benchmark Values |
|--------------------------------------|--|-------------|------------------|
| | Minimum Measurement Frequency | Sample Type | |
| Total Nitrogen (mg/L) ⁽³⁾ | 1 / 6 months | Calculation | XXX |
| Total Phosphorus (mg/L) | 1 / 6 months | Grab | XXX |
| Total Suspended Solids (TSS) (mg/L) | 1 / 6 months | Grab | 100 |
| Oil and Grease (mg/L) | 1 / 6 months | Grab | 30 |

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.

Table 2. Proposed Monitoring Requirements

| Parameter | Effluent Limitations | | | | Monitoring Requirements | |
|-------------------------------------|-----------------------|-----------------|---------------|------------------|-------------------------------|----------------------|
| | Concentrations (mg/L) | | | | Minimum Measurement Frequency | Required Sample Type |
| | Minimum | Average Monthly | Daily Maximum | Instant. Maximum | | |
| Total Nitrogen (mg/L) | XXX | XXX | Report | XXX | 1/6 months | Calculation |
| Total Phosphorus (mg/L) | XXX | XXX | Report | XXX | 1/6 months | Grab |
| Total Suspended Solids (TSS) (mg/L) | XXX | XXX | Report | XXX | 1/6 months | Grab |
| Oil and Grease (mg/L) | XXX | XXX | Report | XXX | 1/6 months | Grab |

All required parameters from PAG-03 Appendix L are included in this permit.
 Benchmarks for TSS of 100 mg/L and Oil and Grease of 30 mg/L are included, which is typical of the monitoring requirements for PAG-03 Appendices (effective 3/24/2023).
 The BMPs from Appendix L 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):

Since the applicant has a discharge to HQ waters and is seeking a permit for the first time, Module 1 (Anti Degradation Module) was included with the application.

The site implemented non-discharge alternatives through a series of structural BMPs. Stormwater from the property is collected in a subsurface infiltration basin and bed (Basin No. 1), which lies underneath the parking lot. If a significant rainfall event fills Basin No. 1 to capacity, the water would then run to an infiltration bed (Basin No. 2) which is also on the property. If discharge occurs to Basin No. 2, sampling will occur as this is identified as Outfall 001, however, Basin No. 2 does not discharge off site.

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)

