

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0281948
APS ID 1134580
Authorization ID 1522232

Applicant and Facility Information

Applicant Name	<u>Alcon Research LLC</u>	Facility Name	<u>Alcon Research - North</u>
Applicant Address	<u>714 Columbia Avenue</u> <u>Sinking Spg, PA 19608-1405</u>	Facility Address	<u>311 June Avenue</u> <u>Blandon, PA 19510-9550</u>
Applicant Contact	<u>Alan Carl</u>	Facility Contact	<u>Lisa Trassert</u>
Applicant Phone	<u>(610) 927-3564</u>	Facility Phone	<u>(610) 927-6035</u>
Client ID	<u>357449</u>	Site ID	<u>879304</u>
SIC Code	<u>4225</u>	Municipality	<u>Maidencreek Township</u>
SIC Description	<u>Trans. & Utilities - General Warehousing And Storage</u>	County	<u>Berks</u>
Date Application Received	<u>April 7, 2025</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>April 10, 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 an application for a NPDES individual permit for discharges of stormwater associated with industrial activity located in Maidencreek Township, Berks County. See Figures 1, 2, and 3 for Site Overview Maps and a Site Plan.

The facility's SIC code is 4225 (general warehousing) which requires a NPDES permit for discharges of stormwater associated with industrial activity. Since the facility discharges to an HQ-CWF 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 L (land transportation and petroleum stations and terminals) based on their SIC code.

Facility Description: warehousing operations with no chemical storage.

An application was received on 4/7/2025 via PUP 308430. The application was deemed complete on 4/10/2025. Technical deficiency notices were issued via email on 5/7/2025 and 5/12/2025. The deficiencies were addressed via email on 5/13/2025.

The facility has one outfall: Outfall 001. The outfall is located at the outlet of a detention basin. The outfall discharges to Willow Creek (HQ-CWF, MF).

The PPC Plan was last updated March 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.

Approve	Deny	Signatures	Date
X		Jacob S. Rakowsky Jacob S. Rakowsky, E.I.T. / Project Manager	5/14/2025
X		Scott M. Arwood Scott M. Arwood, P.E. / Environmental Engineer Manager	5/14/2025

Summary of Review

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	40° 26' 20.2"	Longitude	-75° 53' 41.0"
Wastewater Description: Stormwater associated with industrial activity.			
Receiving Waters	Willow Creek (HQ-CWF, MF)	Stream Code	1986
NHD Com ID	133228672	RMI	2.75
Drainage Area	19.3 sq. mi.	Yield (cfs/mi ²)	
Q ₇₋₁₀ Flow (cfs)	3.17	Q ₇₋₁₀ Basis	StreamStats
Watershed No.	3-B	Chapter 93 Class.	HQ-CWF, MF
Existing Use		Existing Use Qualifier	
Exceptions to Use		Exceptions to Criteria	
Assessment Status	Impaired		
Cause(s) of Impairment	FLOW REGIME MODIFICATION, NUTRIENTS, PATHOGENS		
Source(s) of Impairment	INDUSTRIAL POINT SOURCE DISCHARGE, INDUSTRIAL POINT SOURCE DISCHARGE, SOURCE UNKNOWN		
TMDL Status		Name	
Nearest Downstream Public Water Supply Intake	Pottstown Borough Water Authority		
PWS Waters	Schuylkill River	Municipality	West Pottsgrove Twp, Montgomery County
PWS RMI	57.04	Distance from Outfall (mi)	34

Drainage Area (sf): 83,519

% Impervious: 70%

Description of Materials/Activities in Drainage Area Exposed to Precipitation:
Warehouse, parking lots

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

Compliance History	
Summary of DMRs:	<p>Since this is an application for a new permit, DMR data is not available. A summary of application sampling results can be found in Table 1 below.</p> <p>The facility was required to submit TN and TP impairment sampling results due to the nutrients impairment of the receiving water. 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>
Summary of Inspections:	<p>Since this is an application for a new permit, inspections have not yet been conducted at the site.</p> <p>The client currently has no open violations that should affect issuance of the final permit.</p>

Table 1. Application Sampling Results for Outfall 001 (December 2024)

Pollutant	Outfall 001
Oil and Grease (mg/L)	<5
BOD5 (mg/L)	6.0
COD (mg/L)	25
TSS (mg/L)	<1
TN (mg/L)	1.38
TP (mg/L)	0.09
pH (S.U.)	6.94
E. coli (mpn/100ml)	461
Fecal Coliform (CFU/100ml)	380
TKN (mg/L)	1.13

Summary of Sampling Results:

No values exceeded typical PAG-03 benchmarks. The applicable PAG-03 benchmarks include: 120 mg/L for COD, 9.0 S.U. for pH, 100 mg/L for TSS, 30 mg/L for Oil and Grease, and 30 mg/L for BOD5.

Based on the facility's **SIC code of 4225**, 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 semiannual monitoring of TN, TP, TSS, and Oil and Grease.

Proposed Effluent Limitations and Monitoring Requirements

All parameters from PAG-03 Appendix L are included in this permit. No additional parameters have been added.

Table 2. 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		
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
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

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.

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

The property is an existing warehouse that was developed prior to 1989 by a different owner/operator. The permittee is leasing the space for storage of finished products. The property is not owned by the permittee. No new activities or site modifications are involved in the leasing of the property. The permittee maintains a condition of No Exposure at the 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:

Willow Creek (HQ-CWF, MF)

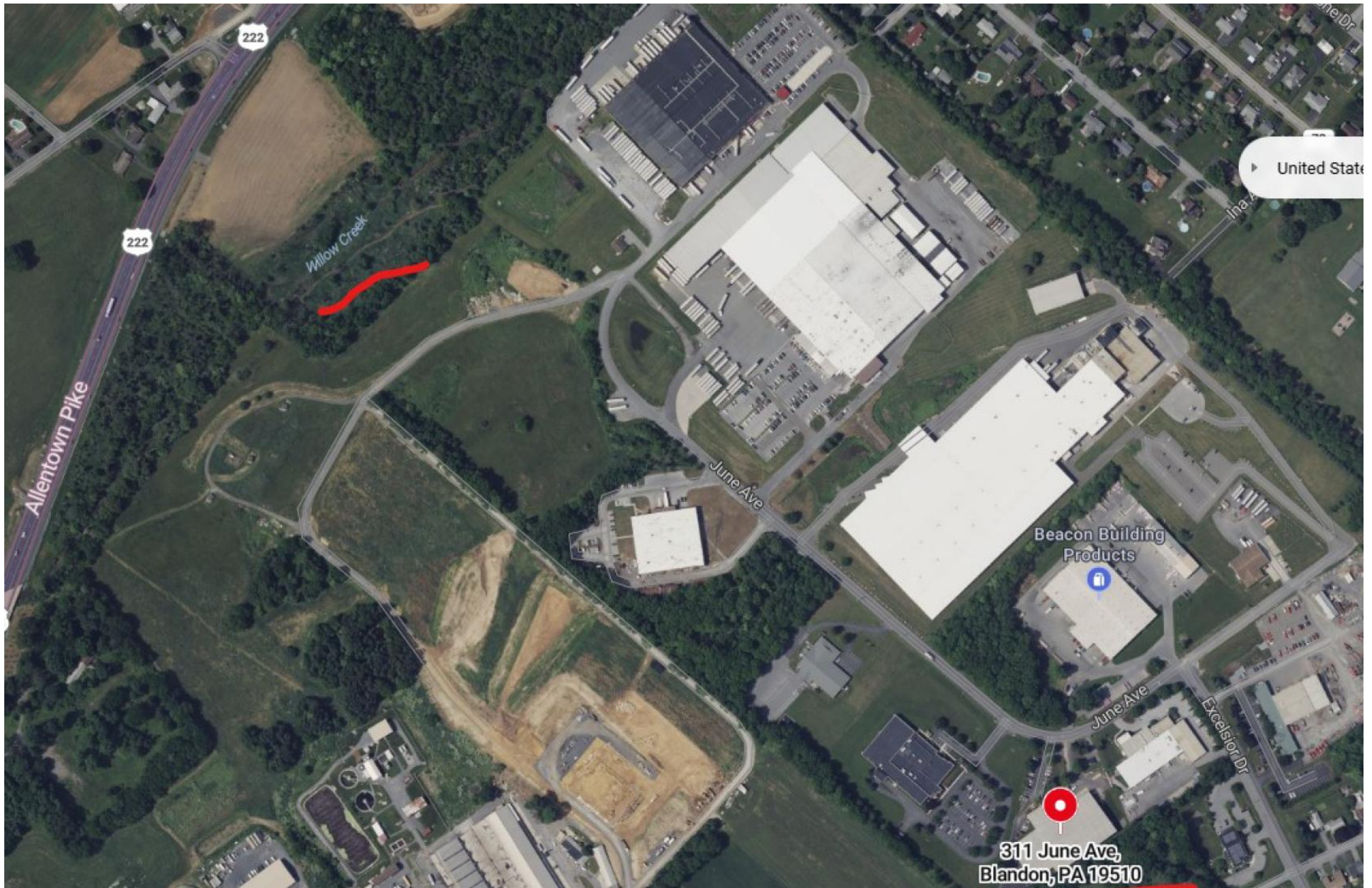


Figure 1. Site Aerial View

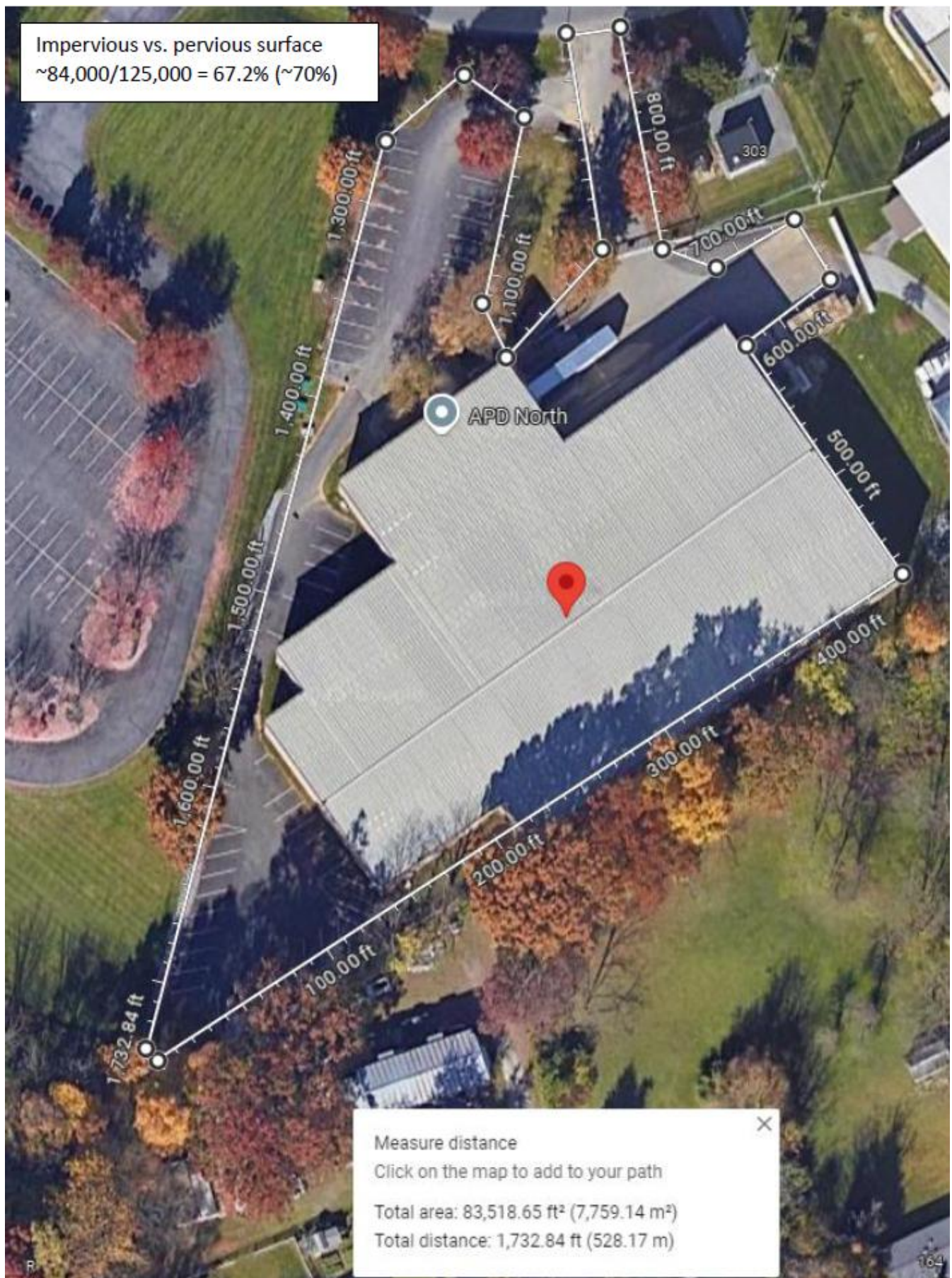


Figure 2. Site Overview with % Impervious Calculations

