

Application Type New
Facility Type Storm Water
Major / Minor Minor

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

Application No. PA0276588
APS ID 1067120
Authorization ID 1402623

Applicant and Facility Information

Applicant Name	<u>Gardner Cryogenics A Division Of Air Products & Chemicals Inc.</u>	Facility Name	<u>Gardener Cryogenics Alburdis</u>
Applicant Address	<u>7662 Church Street</u> <u>Alburdis, PA 18011-9502</u>	Facility Address	<u>7662 Church Street</u> <u>Alburdis, PA 18011-9502</u>
Applicant Contact	<u>Edward Zanders</u>	Facility Contact	<u>David Smith</u>
Applicant Phone	<u>(610) 266-3739</u>	Facility Phone	<u>(610) 721-4013</u>
Client ID	<u>371117</u>	Site ID	<u>858482</u>
SIC Code	<u>3443</u>	Municipality	<u>Lower Macungie Township</u>
SIC Description	<u>Manufacturing - Fabricated Plate Work (Boiler Shops)</u>	County	<u>Lehigh</u>
Date Application Received	<u>June 27, 2022</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>July 8, 2022</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>New application for NPDES permit to discharge stormwater from an industrial facility</u>		

Summary of Review

The applicant is requesting an NPDES permit to discharge stormwater associated with an industrial activity to Swabia Creek, a High Quality Cold Water Fishery, Migratory Fishery-designated receiving stream in state water plan basin 02-C. As 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. According to the applicant, this is an existing facility that has been in operation since 2014, and there are no proposed changes to the site that would increase stormwater runoff.

At this facility, Gardner Cryogenics manufactures cryogenic tanks for specialty gases, and none of this activity is exposed to stormwater. According to the applicant, all raw material is stored and processed indoors, and only newly finished and packaged product is stored outside. Therefore, no runoff from industrial activities is expected to be conveyed to Outfall 001. The drainage area leading to Outfall 001 consists of approximately 45,150 ft² of 80% impervious land used for parking, loading, and storage. The facility is categorized by SIC Code 3443 (Fabricated Plate Work) and falls under the monitoring requirements of Appendix U (Fabricated Metal Products) of the PAG-03 general permit. Appendix U requires semiannual monitoring of the following parameters: pH, Total Suspended Solids (TSS) (mg/L), Nitrate + Nitrite-Nitrogen (mg/L), Total Aluminum (mg/L), Total Iron (mg/L), and Total Zinc (mg/L). The benchmark value for TSS is 100 mg/L. This benchmark value is not an effluent limitation, and exceedances do not constitute permit violations. However, if the permittee's sampling demonstrates exceedances of benchmark values for two consecutive monitoring periods, the permittee shall submit a corrective action plan within 90 days of the end of the monitoring period triggering the plan.

As Outfall 001 discharges to an HQ stream the applicant submitted an anti-degradation module with its application. The applicant considers non-discharge alternatives to be infeasible with this site because the site has been in operation for nearly ten years, and the stormwater infrastructure is already in place. According to the anti-degradation module submitted with the application, anti-degradation best available combination of technologies (ABACT) in place include a PPC plan and a

Approve	Deny	Signatures	Date
X		<i>Rory Sgarlat</i> Rory Sgarlat, EIT / Environmental Engineering Specialist	September 11, 2022
X		Amy M. Bellanca (signed) Amy M. Bellanca, P.E. / Environmental Engineer Manager	10-21-22

Summary of Review

vegetated filter located around the boundary of the site. The applicant claims there are no other stormwater BMPs located at this site. The use of non-discharge alternatives was considered infeasible.

The Stormwater Part C requirements include Best Management Practices (BMPs), Routine Inspections, Preparedness, Prevention, and Contingency Plan, and Stormwater Monitoring Requirements. The permit requires implementation of a PPC plan and completion of an annual inspection and compliance evaluation. There are no open violations for this client that would warrant withholding issuance of a permit.

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.

