

Application Type New  
Facility Type Storm Water  
Major / Minor Minor

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

Application No. PA0276375  
APS ID 1024023  
Authorization ID 1328329

**Applicant and Facility Information**

Applicant Name	<u>CVIP – A Division of Gardner Cryogenics (An Air Products &amp; Chemicals, Inc. Business)</u>	Facility Name	<u>CVIP – A Division of Gardner Cryogenics (An Air Products &amp; Chemicals, Inc. Business)</u>
Applicant Address	<u>801 Broad Street Emmaus, PA 18049-3600</u>	Facility Address	<u>801 Broad Street Emmaus, PA 18049-3600</u>
Applicant Contact	<u>Ed Zanders, Plant Superintendent</u>	Facility Contact	<u>Ed Zanders, Plant Superintendent</u>
Applicant Phone	<u>(610) 266-3739</u>	Facility Phone	<u>(610) 266-3739</u>
Client ID	<u>62388</u>	Site ID	<u>845306</u>
SIC Code	<u>3443</u>	Municipality	<u>Emmaus Borough</u>
SIC Description	<u>Manufacturing - Fabricated Plate Work (Boiler Shops)</u>	County	<u>Lehigh</u>
Date Application Received	<u>September 22, 2020</u>	EPA Waived?	<u>Yes</u>
Date Application Accepted	<u>September 30, 2020</u>	If No, Reason	<u>-</u>
Purpose of Application	<u>New NPDES permit for discharge of industrial stormwater.</u>		

**Summary of Review**

The applicant is requesting a new NPDES permit to discharge stormwater associated with industrial activity to an Unnamed Tributary to Leibert Creek, a HQ-CWF, MF (High Quality-Cold Water Fishes, Migratory Fishes) designated receiving stream in state water plan basin 2-C (Lower Lehigh River). As per the Department's current existing use list, the receiving stream segment does not have an existing use classification that is more protective than its designated use.

The facility fabricates pressure vessels, skid-mounted systems, and cryogenics. All fabrication occurs indoors. Temporary outside storage of raw materials is the only potential activity that may come in contact with stormwater. The site is approximately 8.2-acres and consists of a 1.2-acre main manufacturing building/office area, a 0.1-acre abrasive-blasting area (known as Building 4), and a 0.02-acre storage area (Building 3). The outdoor areas include paved parking areas, paved and un-paved equipment storage areas (including vessel parts, construction equipment, dumpsters, and used abrasive-blasting material). There is also one 275-gallon diesel fuel tank that will tentatively be removed by July 2021. All diesel fueling will then occur off site at public service stations. No process wastewater is generated at the site.

Stormwater drainage from the site is directed to stormwater inlets in the paved driveways and parking lots. Two main stormwater conveyance pipes discharge from the facility to the southeast (Outfall 001) and the north (Outfall 002).

An Anti-Degradation Module was submitted with the application. All Non-Discharge Alternatives are technically infeasible and/or environmentally unsound. The site is already developed with hydrologic controls in place and has been in operation for 20 years. Building a new facility on undisturbed greenfield is not cost effective and would disturb more land. No facility processes require large amounts of water; therefore, the reuse/recycle of stormwater does not make sense. There is also no room around the facility to construct treatment wetlands. Best management practices and good housekeeping procedures

Approve	Deny	Signatures	Date
X		/s/ Allison Seyfried / Environmental Engineering Specialist	February 12, 2021
X		/s/ Amy M. Bellanca, P.E. / Environmental Engineer Manager	2-16-21

### Summary of Review

are implemented and described in the PPC plan which is included with the application. These procedures are intended to prevent stormwater from contacting materials that have the potential to alter stormwater quality.

The facility is categorized by SIC code 3443 (Manufacturing – Fabricated Plate Work – Boiler Shops). The facility falls under Appendix U monitoring requirements of the PAG-03 General Permit. All industries classified under Appendix U should be within 100 mg/L for Total Suspended Solids (TSS). This value is included as an IMAX limitation and should be sampled semi-annually. Semi-annual monitoring and reporting of pH, Nitrate + Nitrite-Nitrogen, Total Aluminum, Total Iron, and Total Zinc are also required under this permit.

Additional sampling was conducted by the permittee for all pollutants in Table 3 on pages 7 and 8 of the permit application. These results were compared to the PA Code Chapter 93 Water Quality Standards. No additional monitoring/ reporting parameters have been added to the permit at this time.

PPC Plan implementation and completion of an annual inspection and compliance evaluation are required under the permit.

There are no open violations for this client that would warrant withholding the issuance of this 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.

