



Public Notice

Issuance of Industrial Waste Discharge Permit

LASA's regulations [§60-16 (l)(1)] require public notification of the issuance of Industrial Waste Discharge Permits. LASA publishes this notice at www.lasa.org. Any person, including the industrial user, may petition LASA to reconsider the terms of an Industrial Waste Discharge Permit within 30 days of the date of notice of its issuance.

Date of Notice: May 23, 2019

Deadline for Comments: June 22, 2019



**Lancaster Area Sewer Authority
 Industrial Wastewater Discharge Permit**

Air Products and Chemicals, Inc. Discharge Permit

**Permit Number: 325
 Effective Date: June 15, 2019
 Expiration Date: June 14, 2024**

Permittee Information	
Facility Name	Air Products and Chemicals, Inc.
Facility Address	3250 Hempland Road Lancaster, PA 17601
Phone Number	717-393-1062
Mailing Address (if different than above)	7201 Hamilton Blvd. Allentown, PA 18195-1501
Name of Principal Executive Officer or Authorized Representative	Stephanie Woormer, Environmental Engineer
Industrial Classification: (Significant Industrial User, Significant Categorical Industrial User, Other)	Significant Industrial User

1.0 Conditions

- 1.1 Issuance of this Permit is subject to the following conditions:
 - 1.1.1 The industrial discharge shall be in accordance with the Discharge Permit Application, its supporting documentation, and amendments. Such Application, its supporting documentation and amendments are hereby made a part of this Permit.
 - 1.1.2 Standard Conditions numbered 1.0 – 11.0, attached hereto, are hereby made a part of this Permit.
 - 1.1.3 Special Conditions designated 1.0 – 10.0, attached hereto, are hereby made a part of this Permit.

2.0 Approval

Date Approved	05/23/2019
Signature of Approver	
Name and Title of Approver	Sarah Yando – Laboratory Manager

Revision History

Page Number	Section Title	Description of Revision
1	Cover Page	Inserted new effective date and new expiration date.
4	Expiration & Renewal	Inserted new expiration date.
7-8	Wastewater Discharge Limitations & Monitoring Requirements	Inserted new effective date and expiration date. Clarified purchased capacity policy. Added monitoring note requirement specifying the time frame in which semi-annual sampling must be conducted.

Standard Conditions (1.0 – 11.0)

1.0 Definitions

- 1.1 Certain words in this Permit are defined in the Lancaster Area Sewer Authority's (LASA) Rules and Regulations – Chapter 40 – Definitions.

2.0 Authority & Penalties

- 2.1 The ability to apply and to enforce the requirements of Sections 307(b) and 402(b) (8) of the Clean Water Act and any regulations implementing those sections is incorporated into the Lancaster Area Sewer Authority's Rules and Regulations – Chapter 60 – Industrial Waste adopted on July 23, 1981, revised and amended in September 2004, and codified in April 2008. The Lancaster Area Sewer Authority was organized and is existing according to the Municipality Authorities Act of 1945, as amended and supplemented (53.P.S. S 301 et seq.).
- 2.2 Any Industrial User who violates conditions of this Permit, the Authority's Rules and Regulations – Chapter 60 – Industrial Waste, any applicable State (NPDES) or Federal (40 CFR Parts 403, 405 through 472) Regulations, is subject to having its Permit revoked and is subject to enforcement proceedings, including civil and criminal penalties, in accordance with the procedures of the Lancaster Area Sewer Authority's Rules and Regulations.
- 2.3 LASA shall have the ability to seek or assess civil penalties not to exceed the amount for \$25,000.00 a day for each violation by Industrial Users of the LASA sewer system according to the Publicly Owned Treatment Works Penalty Law, Act 9 of 1992, effective April 26, 1992.

3.0 Compliance Schedule

- 3.1 Existing Dischargers: As an existing discharger, the Applicant agrees to be in compliance with the conditions of this Permit immediately.
- 3.2 New Sources: New Applicants must be in compliance with the conditions of this Permit before commencing to discharge to the sewer system.

4.0 Maintenance of Records

- 4.1 The Permittee will maintain records relative to the wastewater discharge as specified in the Special Conditions. Such records will be available for examination by the Authority at all times.

5.0 Notification

5.1 Reports of Potential Problems

- 5.1.1 In the case of any discharge, including but not limited to accidental discharges, discharges of nonroutine, episodic nature, a noncustomary batch discharge, or a slug load, that may cause potential problems for the sewerage system, the Permittee shall immediately telephone and notify the Authority of the incident. This notification shall include the location of the discharge, type of waste, concentration and volume, if known, and corrective actions taken by the user.

5.2 Written Notice of Accidental Discharge

5.2.1 Within five days following an accidental or slug discharge, the permittee shall submit to the Authority a detailed written report describing the cause of the accidental or slug discharge and the measures to be taken by the user to prevent similar future occurrences.

5.3 Reports of Changed Conditions

5.3.1 The Permittee must notify the Authority of any planned significant changes to the Permittee's operations or system, which might alter the nature, quality or volume of its wastewater, or affect the potential for slug discharge at least sixty (60) days before the change.

5.4 Notice of Violation/Repeat Sampling and Reporting

5.4.1 If sampling performed by the Permittee indicates the discharge to the collection system is not in compliance with the conditions of this Permit, the Permittee is required to notify the Authority within 24 hours of becoming aware of noncompliance. The Permittee shall collect and analyze another representative sample to verify a return to compliance and submit the sample report to the Authority within thirty (30) days of becoming aware of the noncompliance. Failure to report such incidents will result in penalties in accordance with the Authority's Rules and Regulations – Chapter 60 – Industrial Waste.

6.0 Expiration & Renewal

6.1 This Permit shall be considered to be in effect as of the Effective Date, and shall expire at midnight on **June 14, 2024**. The Permittee is required to apply for reissuance or renewal of this Permit not less than 180 days prior to the Expiration Date.

7.0 Transfer of Permit

7.1 This Permit is issued to a specific User, and for a specific operation. The Permit is not transferable to a new Owner, new User, different location, or other operation or process without the specific written permission of the Authority.

8.0 Discharge Monitoring Facilities

8.1 The Permittee shall provide at his expense and located within his property, a control manhole together with such meters and other equipment as deemed necessary by the Authority to facilitate observation, sampling and measurement of the wastewater discharge. Specific monitoring and analysis programs shall be as required by the Special Conditions of this Permit. Access to the facility shall be provided to the Authority upon request.

8.2 All measurements, tests, and analyses shall be performed in accordance with 40 CFR Part 136.

8.3 Unless otherwise specified in the Special Conditions, a 24-hour composite sample shall be considered adequate for the purposes of this Permit.

9.0 Accidental or Slug Discharge

- 9.1 The Permittee shall implement and maintain a Slug/Spill Control Plan that, at a minimum, includes the following:
- 9.1.1 Description of discharge practices, including non-routine batch discharges
 - 9.1.2 Description of stored chemicals
 - 9.1.3 Procedures for immediately notifying the POTW of slug discharges, including any discharge that would violate a prohibition under 40 CFR 403.5(b), with procedures for follow-up written notification within five (5) days
 - 9.1.4 Procedures to prevent adverse impact from accidental spills, including inspection and maintenance of storage areas, handling and transfer of materials, loading and unloading operations, control of plant site run-off, worker training, building of containment structures or equipment, measures for containing toxic organic pollutants (including solvents), and/or measures and equipment for emergency response

10.0 LASA Rules & Regulations – Chapter 60 – Industrial Waste

- 10.1 The Lancaster Area Sewer Authority's Rules and Regulations – Chapter 60 – Industrial Waste will be strictly enforced by the Authority. Discharge limitations to the Authority sewer system will be the more restrictive of EPA or LASA as defined in the Permit.

11.0 Surcharge

- 11.1 The Permittee shall be surcharged in accordance with the Lancaster Area Sewer Authority's Rules and Regulations – Chapter 30 – Charges, Rates and Fees.

Special Conditions (1.0 – 10.0)

1.0 Discharge Standards

- 1.1 The Industrial User shall comply with all the general prohibitive discharge standards in the Authority's Rules and Regulations – Chapter 60 – Industrial Waste.

2.0 Right of Entry

- 2.1 The Industrial User shall, after reasonable notification by the Authority, allow the Authority or its representatives, exhibiting proper credentials and identification, to enter upon the premises of the User, at all reasonable hours, for the purposes of inspection, sampling, and/or records inspection. Reasonable hours in the context of inspection and sampling includes any time the Industrial User is operating any process which results in a process wastewater discharge to the Authority's sewer system.

3.0 Records & Recording

3.1 Records Retention

3.1.1 The Industrial User shall retain and preserve for no less than three (3) years, any records, books, documents, memoranda, reports, correspondence and any and all summaries thereof, relating to monitoring, sampling and chemical analyses made by or in behalf of the User in connection with its discharge.

3.2 Recording of Results

3.2.1 For each measurement or sample taken pursuant to the requirements of this Permit, the User shall record and/or maintain the following information:

- 3.2.1.1 The exact place, date and time of sampling
- 3.2.1.2 The flow rate during sampling
- 3.2.1.3 The method of sample preservation
- 3.2.1.4 The dates and times the analyses were performed
- 3.2.1.5 The laboratory and technician who performed the sampling and analysis
- 3.2.1.6 The analytical method(s) used
- 3.2.1.7 A copy of the laboratory report and chain of custody form

4.0 Dilution

4.1 No Industrial User shall increase the use of potable or process water or, in anyway, attempt to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this Permit.

5.0 Proper Disposal of Pretreatment Sludges & Spent Chemicals

5.1 The disposal of sludges and spent chemicals generated shall be done in accordance with Section 405 of the Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

6.0 Signatory Requirements

6.1 All reports required by this Permit shall be signed by a Principal Executive Officer of the User, or his designee, according to 40 CFR Part 403.12(l).

7.0 Falsifying Information or Tampering with Monitoring Equipment

7.1 Knowingly making any false statement on any report or other document required by this Permit or knowingly rendering any monitoring device or method inaccurate may result in commencement of appropriate legal or equitable relief through the Court of Common Pleas of Lancaster County.

8.0 Modification or Revision of the Permit

- 8.1 After advanced notice and opportunity for a hearing, the terms and conditions of this Permit may be subject to modification, suspension, revocation and reissuance in whole or in part, by the Authority as limitations or requirements as identified in the Authority's Rules and Regulations – Chapter 60 – Industrial Waste, are modified or other just cause exists including, but not limited to, the following:
 - 8.1.1 This Permit may be modified to incorporate special conditions resulting from the issuance of a special order.
 - 8.1.2 The terms and conditions may be modified as a result of the United States Environmental Protection Agency (US EPA) promulgating a new federal Pretreatment Standard and/or the revision of Pennsylvania Department of Environmental Protection (PA DEP) or LASA, rules, regulations or standards.
 - 8.1.3 For violation of any terms or conditions of this Permit.
 - 8.1.4 Obtaining this Permit by misrepresentation or failure to disclose fully all relevant facts.
 - 8.1.5 A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
 - 8.1.6 Any Permit modifications that result in new conditions in the Permit shall include a reasonable time schedule for compliance by the Industrial User.

9.0 Wastewater Discharge Limitations & Monitoring Requirements

- 9.1 The Permittee is authorized to discharge during the period:
 - 9.1.1 Effective Date: **June 15, 2019**
 - 9.1.2 Expiration Date: **June 14, 2024**
- 9.2 An exceedance of the purchased capacity for the facility in two out of three years will require the discharger to purchase additional capacity. The Authority does not intend to issue violations for exceedances of the purchased capacity through the Industrial Pretreatment Program.
- 9.3 All samples shall be collected, preserved, and analyzed in accordance with the procedures established in 40 CFR, Part 136 and Amendments.

9.4 Monitoring Requirements (Outfall 01):

Discharge Parameter	LASA Local Limit (Daily Maximum)	Sample Type	Permittee Monitoring Frequency (Minimum)
Ammonia	Monitor	Composite	2 Times / Year
Biochemical Oxygen Demand (BOD)	1,100 mg/L	Composite	2 Times / Year
Cadmium	0.11 mg/L	Composite	2 Times / Year
Chromium	1.8 mg/L	Composite	2 Times / Year
Copper	0.9 mg/L	Composite	2 Times / Year
Cyanide, Total	0.7 mg/L	Grab	2 Times / Year
Lead	0.7 mg/L	Composite	2 Times / Year
Mercury	0.01 mg/L	Composite	2 Times / Year
Molybdenum	Monitor	Composite	2 Times / Year
Nickel	1.6 mg/L	Composite	2 Times / Year
Nitrogen, Total	Monitor	Composite	2 Times / Year
Oil and Grease, Total	100.0 mg/L	Grab	2 Times / Year
pH	5.5 – 10.5 S.U.	Grab	2 Times / Year
Phosphorus, Total	Monitor	Composite	2 Times / Year
Silver	1.0 mg/L	Composite	2 Times / Year
Suspended Solids, Total (TSS)	2,000 mg/L	Composite	2 Times / Year
Temperature	0 – 59 °C	Grab	2 Times / Year
Zinc	0.6 mg/L	Composite	2 Times / Year

9.4.1 Monitoring Requirement Notes

9.4.1.1 Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: **Outfall 01:** sampling manhole located on the north side of Hempland Road, within ten feet of bus stop sign.

9.4.1.2 The following sampling schedule shall be enforced for all discharge parameters with a permittee monitoring frequency of 2 times / year: at least 1 sampling event shall be conducted the first half of each year (January 1st – June 30th), and at least 1 sampling event shall be conducted the second half of each year (July 1st – December 31st).

10.0 User Reporting

10.1 The Permittee shall submit to the Authority on or before the thirtieth (30th) day of January, April, July, and October, an Industrial Waste Contribution and Monitoring Report of the previous quarter. The report shall include:

10.1.1 A summary page listing all completed analysis results for that quarter indicating the nature and concentration of pollutants in the wastewater discharge.

10.1.2 A statement of compliance or non-compliance with remedial actions to be implemented must follow these analysis results.

10.1.3 A record of measured / calculated daily flows in gallons per day of the wastewater discharge for the reporting period.

- 10.2 The wastewater analysis used for reporting purposes shall be performed by a Qualified Laboratory. Upon specific approval by the Authority, the Permittee may be allowed to perform their own analyses, provided that:
 - 10.2.1 The Permittee analyzes one single blind, single concentration Proficiency Test (PT) study for each parameter monitored in-house. Proficiency Tests must be purchased directly from providers approved by the Pennsylvania Department of Environmental Protection. The results of the Proficiency Test must be provided to the Authority on an annual basis.
- 10.3 The Permittee shall implement the Accidental Spill Prevention and Slug Control Plan required by the Authority. An annual review of this Plan shall be conducted, and the results of the review shall be made available to the Authority upon request.