



State of Ohio Environmental Protection Agency

Street Address:

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Columbus, OH 43216-1049

RE: **FINAL PERMIT TO INSTALL MODIFICATION CERTIFIED MAIL**  
**HAMILTON COUNTY**  
Application No: 14-02410

	<b>TOXIC REVIEW</b>
	<b>PSD</b>
	<b>SYNTHETIC MINOR</b>
	<b>CEMS</b>
	<b>MACT</b>
	<b>NSPS</b>
	<b>NESHAPS</b>
	<b>NETTING</b>
	<b>MAJOR NON-ATTAINMENT</b>
	<b>MODELING SUBMITTED</b>
	<b>GASOLINE DISPENSING FACILITY</b>

DATE: 10/12/2000

Air Products and Chemicals Inc  
Jeffrey L Henninger  
GEG Environmental W1402 7201 Hamilton Blvd  
Allentown, PA 181951501

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

HCDES



FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-02410

Application Number: **14-02410**

APS Premise Number: **1431073463**

Permit Fee: **\$0**

Name of Facility: **Air Products and Chemicals Inc**

Person to Contact: **Jeffrey L Henninger**

Address: **GEG Environmental W1402 7201 Hamilton Blvd  
Allentown, PA 181951501**

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**4900 Este Ave  
Cincinnati, OHIO**

Description of modification:

**Modification of PTI #14-2410, issued 2/13/92, to change the PM, Hydrogen Fluoride, NOx, CO and HCl emission limits to reflect changes in the AP-42 emission factors.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

**GENERAL PERMIT CONDITIONS**

**TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

**CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

**PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

**PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

**APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

**BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

**SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

**AIR EMISSION SUMMARY**

The air contaminant emissions units listed below comprise the Permit to Install for **Air Products and Chemicals Inc** located in **HAMILTON** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P001	H y d r o g e n Generating Process	Compliance With Specified Emission Rates and Operation of Source to Minimize Emissions	3745-31-05 3745-15-07 3745-17-07 3745-17-10 3745-21-08 3745-23-06	PM = .15 lb/hr, 0.64 TPY SO <sub>2</sub> = .036 lb/hr, 0.16 TPY VOC = .082 lb/hr, 0.36 TPY NO <sub>x</sub> = 4.6 lbs/hr, 20.2 TPY CO = 1.49 lbs/hr, 6.53 TPY
B001	64.2 MMBTU/hr Landfill/Natural Gas Fired Boiler	Compliance With Specified Emission Rates, Use of Low NO <sub>x</sub> Burners, and Operation of Source to Minimize Emissions	3745-31-05 3745-15-07 3745-17-07 3745-17-10 3745-21-08 3745-23-06 40 CFR Part 60 Subpart Dc	PM = 0.003 lb/MMBTU HF = 0.0015 lb/MMBTU SO <sub>2</sub> = 0.0077 lb/MMBTU VOC = 0.010 lb/MMBTU NO <sub>x</sub> = 0.18 lb/MMBTU CO = 0.15 lb/MMBTU HCl = 0.023 lb/MMBTU

**SUMMARY**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
PM	1.59
HF	0.43
SO <sub>2</sub>	2.66
VOC	3.16
NO <sub>x</sub>	70.82
CO	48.73
HCl	6.56

**NSPS REQUIREMENTS**

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
B001	64.2 MMBTU/hr Landfill/ Natural Gas Fired Boiler	40 CFR Part 60 Subpart Dc

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

**Air Products and Chemicals Inc**  
**PTI Application: 14-02410**  
**Modification Issued: 10/12/2000**

Facility ID: 1431073463

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Air Quality Modeling and Planning  
P.O. Box 1049  
Columbus, OH 43216-1049

and

Southwestern Ohio Air Pollution Control Agency  
1632 Central Parkway  
Cincinnati, OH 45214

### **RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

### **WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

### **MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

### **AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

### **NINETY DAY OPERATING PERIOD**

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

1. This facility shall record and maintain records of the amounts of each fuel combusted during each day. These records shall be retained in this facility's files for a period of not less than three (3) years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
2. This facility shall collect once each month a sample each of purge gas and landfill gas. Each sample shall be analyzed for heat content (BTU/SCF). These records shall be retained in this facility's files for a period of not less than three (3) years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
3. The visible particulate emissions from the boiler and reformer stack shall not exceed ten (10%) percent opacity.