

1

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

### **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

2

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

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.

3

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

### **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.

4

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Parker Hannifin Corporation** located in **Ashtabula** 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>Military North test stands &amp; chambers for testing fuel components for turbine engines.</u>	<u>BAT Determination</u>
P002	New A&T test stands & chambers for testing fuel components for turbine engines.	for testing fuel components for turbine engines.	Emission Limits: OC: 5.01 lb/hr & 22.0 tpy
P003	Acid cleaning line test stands & chambers for testing fuel components for turbine engines.	Power Generation test stands & chambers for testing fuel components for turbine engines.	Use non photo-chemically reactive materials Emission Limits: OC: 1.43 lb/hr & 6.27 tpy
P004	Old A&T test stands & chambers for testing fuel components for turbine engines.	for turbine engines.	Use non photo-chemically reactive materials Emission Limits: OC: 2.15 lb/hr

Facility Name: **Parker Hannifin Corporation**  
 Application Number: **02-2283**  
 Date: **November 23, 1998**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
& 9.41 tpy	Emission Limits: OC: 1.43lb/hr		3745-31-05	
Use non photo-chemically reactive materials	& 6.27 tpy Use non photo-chemically reactive materials	Applicable Federal & OAC Rules	3745-21-07 (G)	Permit Allowable Mass Emissions and/or Control/Usage Requirements
		3745-31-05		OC: 5.01 lb/hr & 22.0 tpy
		3745-21-07 (G)	3745-31-05	See Additional Special Term and Condition A.
		3745-31-05	3745-21-07 (G)	OC: 1.43 lb/hr & 6.27 tpy
Emission Limits: OC: 3.58 lb/hr & 15.7 tpy		3745-31-05		See Additional Special Term and Condition A.
Use non photo-chemically reactive materials		3745-21-07 (G)		OC: 2.15 lb/hr & 9.41 tpy
				See Additional Special Term and Condition A.

Facility Name: **Parker Hannifin Corporation**  
 Application Number: **02-2283**  
 Date: **November 23, 1998**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
OC: 3.58 lb/hr & 15.7 tpy				
See Additio nal Special Term and Conditio on A.				
OC: 1.43 lb/hr & 6.27 tpy				
See Additio nal Special Term and Conditio on A. 3745-31- 05				

SUMMARY  
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

<u>Pollutant</u>	<u>Tons/Year</u>
OC	59.7 tpy

#### **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.

#### **MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA Northeast District Office, 2110 E. Aurora Road, Twinsburg, Ohio 44087.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

sources.

**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.

**CONSTRUCTION COMPLIANCE CERTIFICATION**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**Source Description**

1. The emissions units covered by this permit to install are the following test stands and chambers for turbine engine components using mineral spirits:
  - P002 - 14 Test Stands (New A&T Test Stands)
  - P003 - 4 Test Stands (Acid Cleaning Line Test Stands)
  - P004 - 6 Test Stands (Old A&T Test Stands)
  - P005 - 10 Test Stands (Military North Test Stands)
  - P006 - 4 Test Stands (Power Generation Test Stands)

**A. Operational Restrictions**

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

2. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA field office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emission limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

**B. Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information on a monthly basis for each emissions unit (P002 through P006):
  - a. the Ohio EPA emissions unit number and the company identification for each test stand location;
  - b. the company identification for each nonphotochemically reactive material employed at each emissions unit;
  - c. the organic compound content of each nonphotochemically reactive material, in pounds per gallon;
  - d. the amount of nonphotochemically reactive material added at each emissions unit, in gallons;
  - e. the total number of hours the emissions unit was in operation, in hours per month;
  - f. the total OC emission rate from each emissions unit, in pounds per month; and,
  - g. the average organic compound emission rate for the nonphotochemically reactive materials, in pounds

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

per hour.

**C. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports to the Ohio EPA, Northeast District Office, which identify all exceedances. The reports shall include the following information:
  - a. statement(s) noting the allowable emissions limit(s) for organic compounds, in pounds per hour, as specified in the Air Emission Summary for each emissions unit;
  - b. an identification of each month during which the average hourly organic compound emission rate exceeded the allowable emission rate and the actual average hourly emission rate, in pounds per hour, for each such month from any of the emissions unit(s); and,
  - c. description of any corrective actions taken to address any exceedance of any emission limitation.

The excursion reports shall be submitted quarterly, i.e., by January 31, April 30, July 31 and October 31 of each year and shall cover the previous calendar quarters. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC Rule 3745-15-06.)

2. The permittee shall submit an annual report to the Ohio EPA, Northeast District Office, which includes the total organic compound (OC) emissions for the previous calendar year from the emission units covered by this permit.

This report shall be submitted by April 15 of each year.

**D. Testing Requirements**

Facility Name: **Parker Hannifin Corporation**

Application Number: **02-2283**

Date: **November 23, 1998**

1. **Annual Organic Compound (OC) Emissions Limit:**

**P002:** 22.0 tons per year OC

**P003:** 6.27 tons per year OC

**P004:** 9.41 tons per year OC

**P005:** 15.7 tons per year OC

**P006:** 6.27 tons per year OC

**Applicable Compliance Method:** Compliance shall be determined based upon the record keeping specified in the Additional Terms and Conditions, Section B, of this permit.

2. **Hourly Organic Compound (OC) Emissions Limit:**

**P002:** 5.01 pounds per hour OC

**P003:** 1.43 pounds per hour OC

**P004:** 2.15 pounds per hour OC

**P005:** 3.58 pounds per hour OC

**P006:** 1.43 pounds per hour OC

**Applicable Compliance Method:** Compliance shall be determined based upon the record keeping specified in the Additional Terms and Conditions, Section B, of this permit.

3. Formulation data or U.S.EPA method 24 shall be used to determine the organic compound content of the material used in these emissions units.

**E. Miscellaneous Requirements**

None