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Facility Name: **Wiseco Piston, Inc**

Application Number: **02-2317**

Date: **September 10, 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.

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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.

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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.

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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Wiseco Piston, Inc** located in **Lake** 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.

Ohio EPA Source Number	Source Identification Description	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
P007	Aluminum part cleaning system with 3 rinse tanks, 2 Deoxide NC-9 tanks, and 1 Sodium Hydroxide tank (etch line).	Allowable emissions rate equal to actual maximum emissions rate based on 8760 hours operation.	3745-31-05	Combined total particulate emissions from this emissions unit shall not exceed 1.17 pounds/hour and 5.11 TPY
			3745-17-07	Visible particulate emissions from this emissions unit shall not exceed twenty percent opacity as a three-minute average.

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulates	5.11

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CONSTRUCTION STATUS

The **Ohio EPA, Northeast District Office** shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: **Etch Line (P007) completed January 1997.**

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 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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. INTRODUCTION

1. This emissions units consists of a series of tanks used as an aluminum parts cleaning/etching line; included are three (3) water rinse tanks, two (2) tanks using an aqueous based chemical cleaning solution, trade name DeOxide NC-9 (contains 15 percent each of ferric sulfate, nitric acid, and sulfuric acid, 1 percent nitric acid, and the balance water), and one (1) tank containing 1.5 percent sodium hydroxide solution .

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B. APPLICABLE EMISSIONS LIMITATIONS

1. Per OAC rule 3745-31-05, combined total particulate emissions from this emissions unit shall not exceed 1.17 lbs/hr and 5.11 tons per year.
2. Per OAC rule 3745-17-07, visible particulate emissions from this emissions unit shall not exceed twenty (20) percent opacity as a three-minute average.

C. ADDITIONAL TERMS AND CONDITIONS

1. None.

D. OPERATIONAL RESTRICTIONS

1. None.

E. MONITORING AND/OR RECORD KEEPING REQUIREMENTS

1. Permittee shall collect information and maintain records, on a weekly basis, which indicate the volume of both the DeOxide NC-9 (or other aqueous based chemical cleaner) and sodium hydroxide solutions used in this cleaning/etching system.
2. Permittee shall collect information and maintain records, on a weekly basis, which indicate the total time of operation of this emissions unit.

F. REPORTING REQUIREMENTS

1. None.

G. TESTING REQUIREMENTS:

1. Emission Limitation

Visible particulate emissions shall not exceed twenty (20) percent opacity as a three-minute average.

Applicable Compliance Method

Compliance shall be determined through visible emission observations in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

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2. Emissions Limitation

Combined total particulate emissions from this emissions unit shall not exceed 1.17 lbs/hr and 5.11 TPY.

Applicable Compliance Method

This limitation is based on the maximum hourly emissions rate, as determined by measurement data and calculations supplied with the PTI application and the maximum operating schedule of 8760 hours per year. Compliance with this allowable emissions rate is demonstrated by calculations using data recorded as required above. If required pursuant to OAC 3745-15-04, the permittee shall demonstrate compliance with the particulate emissions limits of this permit by means of physical testing of the effluent from this emissions unit in accordance with testing procedures listed in 40 CFR Part 60, "Standards of Performance for New Stationary Sources", Appendix A, Method 5, and in OAC 3745-17-03(B)(7) or other appropriate testing methods approved by the Director.