



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
LUCAS COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 04-1192

DATE: 09/22/1999

Teledyne Continental Motors - Turbine
George Soullier
PO Box 6971
Toledo, OH 43612-0971

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

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
TOLEDO DIVISION OF ENVIRONMENTAL SERVICES



Permit To Install

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Issue Date: 09/22/1999

FINAL PERMIT TO INSTALL 04-1192

Application Number: 04-1192
APS Premise Number: 0448010819
Permit Fee: **\$300**
Name of Facility: Teledyne Continental Motors - Turbine
Person to Contact: George Soullier
Address: PO Box 6971
Toledo, OH 43612-0971

Location of proposed air contaminant source(s) [emissions unit(s)]:
1330 Laskey Road
Toledo, Ohio

Description of proposed emissions unit(s):
3 NATURAL GAS INTERNAL COMBUSTION COMPRESSOR ENGINES.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit 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 emissions unit(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 and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

Part I - GENERAL TERMS AND CONDITIONS**A. Permit to Install General Terms and Conditions****1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The 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. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

9. Construction of New Sources(s)

The proposed emissions unit(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 emissions unit(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 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 prove to be inadequate or cannot meet applicable standards.

10. 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.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. 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.

13. Source Operation and Operating Permit Requirements 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, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

Teledyne Continental Motors - Turbine

Facility ID: 0448010819

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14. 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.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
CO	14
NOX	4.8
PM	0.01
SO2	0.01
VOC	1.5

Teledyne Continental Motors - Turbine

Facility ID: 0448010819

PTI Application: 04 1102

Date:

Emissions Unit ID: B009

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
1.01 mmBtu/hr natural gas fueled internal combustion engine with 3-way catalytic converter - C0001	OAC rule 3745-31-05(A)(3)	OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-11(B)(5)	
	OAC rule 3745-18-06(B)	
	OAC rule 3745-21-07(B)	

Teledy

PTI A1

Date: 09/22/1999

Emissions Unit ID: B009

Applicable Emissions
Limitations/Control Measures

5% opacity as a 6-minute average,
1.04 pounds of carbon monoxide
(CO) per mmBtu actual heat input,
4.6 tons of CO per year,
0.36 pound of nitrogen oxides
(NOx) per mmBtu actual heat
input,
1.6 tons of NOx per year,
0.0007 pound of particulate matter
(PM) per mmBtu actual heat input,
0.003 ton of PM per year,
0.001 pound of sulfur dioxide
(SO2) per mmBtu actual heat
input,
0.004 ton of SO2 per year,
0.11 pound of volatile organic
compounds (VOC) per mmBtu
actual heat input, and
0.48 ton of VOC per year.

see 2.a.

see 2.a.

exemption from applicability.

see 2.a.

see 2.a.

see 2.a.

2. Additional Terms and Conditions

2.a The emission limitation established by this applicable rule is equivalent to or less stringent than the emission limitation established through the best available technology

determination of OAC rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.
2. The permittee shall operate and maintain a 3-way catalytic converter system for the control of CO, NO_x and NMHC when the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain daily records that document any time periods when the 3-way catalytic converter system was not in service when the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the 3-way catalytic converter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 30 days after the event occurs.

E. Testing Requirements

Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

1. Emissions Limitation - 5% opacity as a 6-minute average.

Applicable Compliance Method - Compliance with this emissions limitation shall be demonstrated through the monitoring and record keeping requirements of Section C.1.. If required, the permittee shall also demonstrate compliance through visible emissions observations performed in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(1).

2. Emissions Limitation - 1.04 pounds of carbon monoxide (CO) per mmBtu actual heat input, and 4.6 tons of CO per year.

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 1.04 pounds of CO per mmBtu actual heat input based on manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 10 of 40 CFR Part 60, Appendix A.

3. Emissions Limitation - 0.36 pound of nitrogen oxides (NO_x) per mmBtu actual heat input and 1.6 tons of NO_x per year.

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 0.36 pound of NO_x per mmBtu actual heat input based on manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 7 of 40 CFR Part 60, Appendix A.

4. Emissions Limitation - 0.0007 pound per hour and 0.003 ton per year of particulate matter (PM).

Applicable Compliance Method - Compliance with these emissions limitation shall be demonstrated through the monitoring and record keeping requirements of Section C.1. and an emission factor of 0.0007 pound of PM per hour based on the USEPA guidance document AP-42, Table 3.2-3 dated 10/96. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

5. Emissions Limitation - 0.001 pound per hour and 0.004 ton per year of sulfur dioxide (SO₂).

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Section C.1.. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 6 of 40 CFR Part 60, Appendix A.

6. Emissions Limitation - 0.11 pound of volatile organic compounds (VOC) per mmBtu actual heat input, and 0.48 ton of VOC per year.

Teledyne Continental Motors - Turbine

PTI Application: **04 1102**

Date:

Facility ID: **0448010819**

Emissions Unit ID: **B009**

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 0.11 pound of VOC per mmBtu based on the manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 25 of 40 CFR Part 60, Appendix A.

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Teledy

PTI A₁

Date: 09/22/1999

Emissions Unit ID: **B009**

F. Miscellaneous Requirements

This emissions unit may be subject to the New Source Performance Standards for Stationary Internal Combustion Engines (40 CFR 60.320, Subpart FF) that were proposed on July 23, 1979. If USEPA finalizes this regulation as proposed, this source will be required to comply with all applicable requirements within that regulation.

Teledy

PTI A₁

Date: 09/22/1999

Emissions Unit ID: B010

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
1.01 mmBtu/hr natural gas fueled internal combustion engine with 3-way catalytic converter - C0003	OAC rule 3745-21-08(B) OAC rule 3745-23-06(B) OAC rule 3745-31-05(A)(3) OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)(5) OAC rule 3745-18-06(B) OAC rule 3745-21-07(B)

Teledy

PTI A₁

Date: 09/22/1999

Emissions Unit ID: **B010**

Applicable Emissions
Limitations/Control Measures

5% opacity as a 6-minute average,
1.04 pounds of carbon monoxide
(CO) per mmBtu actual heat input,
4.6 tons of CO per year,
0.36 pound of nitrogen oxides
(NO_x) per mmBtu actual heat
input,
1.6 tons of NO_x per year,
0.0007 pound of particulate matter
(PM) per mmBtu actual heat input,
0.003 ton of PM per year,
0.001 pound of sulfur dioxide
(SO₂) per mmBtu actual heat
input,
0.004 ton of SO₂ per year,
0.11 pound of volatile organic
compounds (VOC) per mmBtu
actual heat input, and
0.48 ton of VOC per year.

see 2.a.

see 2.a.

exemption from applicability.

see 2.a.

see 2.a.

see 2.a.

2. Additional Terms and Conditions

- 2.a** The emission limitation established by this applicable rule is equivalent to or less stringent than the emission limitation established through the best available technology determination of OAC rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.
2. The permittee shall operate and maintain a 3-way catalytic converter system for the control of CO, NO_x and NMHC when the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain daily records that document any time periods when the 3-way catalytic converter system was not in service when the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the 3-way catalytic converter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 30 days after the event occurs.

E. Testing Requirements

Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

1. Emissions Limitation - 5% opacity as a 6-minute average.

Applicable Compliance Method - Compliance with this emissions limitation shall be demonstrated through the monitoring and record keeping requirements of Section C.1.. If required, the permittee shall also demonstrate compliance through visible emissions observations performed in

accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(1).

2. Emissions Limitation - 1.04 pounds of carbon monoxide (CO) per mmBtu actual heat input, and 4.6 tons of CO per year.

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 1.04 pounds of CO per mmBtu actual heat input based on manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 10 of 40 CFR Part 60, Appendix A.

3. Emissions Limitation - 0.36 pound of nitrogen oxides (NO_x) per mmBtu actual heat input and 1.6 tons of NO_x per year.

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 0.36 pound of NO_x per mmBtu actual heat input based on manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 7 of 40 CFR Part 60, Appendix A.

4. Emissions Limitation - 0.0007 pound per hour and 0.003 ton per year of particulate matter (PM).

Applicable Compliance Method - Compliance with these emissions limitation shall be demonstrated through the monitoring and record keeping requirements of Section C.1. and an emission factor of 0.0007 pound of PM per hour based on the USEPA guidance document AP-42, Table 3.2-3 dated 10/96. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

5. Emissions Limitation - 0.001 pound per hour and 0.004 ton per year of sulfur dioxide (SO₂).

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Section C.1.. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 6 of 40 CFR Part 60, Appendix A.

6. Emissions Limitation - 0.11 pound of volatile organic compounds (VOC) per mmBtu actual heat

Teledyne Continental Motors - Turbine

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Date:

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Emissions Unit ID: **B010**

input, and 0.48 ton of VOC per year.

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 0.11 pound of VOC per mmBtu based on the manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 25 of 40 CFR Part 60, Appendix A.

TeledyPTI A₁**Date: 09/22/1999**Emissions Unit ID: **B010****F. Miscellaneous Requirements**

This emissions unit may be subject to the New Source Performance Standards for Stationary Internal Combustion Engines (40 CFR 60.320, Subpart FF) that were proposed on July 23, 1979. If USEPA finalizes this regulation as proposed, this source will be required to comply with all applicable requirements within that regulation.

Teledy

PTI A₁

Date: 09/22/1999

Emissions Unit ID: B011

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	OAC rule 3745-21-08(B)
1.01 mmBtu/hr natural gas fueled internal combustion engine with 3-way catalytic converter - C0006	OAC rule 3745-31-05(A)(3)	OAC rule 3745-23-06(B)
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-11(B)(5)	
	OAC rule 3745-18-06(B)	
	OAC rule 3745-21-07(B)	

Teledy

PTI A₁

Date: 09/22/1999

Emissions Unit ID: **B011**

Applicable Emissions
Limitations/Control Measures

5% opacity as a 6-minute average,
1.04 pounds of carbon monoxide
(CO) per mmBtu actual heat input,
4.6 tons of CO per year,
0.36 pound of nitrogen oxides
(NO_x) per mmBtu actual heat
input,
1.6 tons of NO_x per year,
0.0007 pound of particulate matter
(PM) per mmBtu actual heat input,
0.003 ton of PM per year,
0.001 pound of sulfur dioxide
(SO₂) per mmBtu actual heat
input,
0.004 ton of SO₂ per year,
0.11 pound of volatile organic
compounds (VOC) per mmBtu
actual heat input, and
0.48 ton of VOC per year.

see 2.a.

see 2.a.

exemption from applicability.

see 2.a.

see 2.a.

see 2.a.

2. Additional Terms and Conditions

- 2.a** The emission limitation established by this applicable rule is equivalent to or less stringent than the emission limitation established through the best available technology determination of OAC rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.
2. The permittee shall operate and maintain a 3-way catalytic converter system for the control of CO, NO_x and NMHC when the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain daily records that document any time periods when the 3-way catalytic converter system was not in service when the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall notify the Toledo Division of Environmental Services in writing of any daily record showing that the 3-way catalytic converter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Toledo Division of Environmental Services within 30 days after the event occurs.

E. Testing Requirements

Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

1. Emissions Limitation - 5% opacity as a 6-minute average.

Applicable Compliance Method - Compliance with this emissions limitation shall be demonstrated through the monitoring and record keeping requirements of Section C.1.. If required, the permittee shall also demonstrate compliance through visible emissions observations performed in

accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(1).

2. Emissions Limitation - 1.04 pounds of carbon monoxide (CO) per mmBtu actual heat input, and 4.6 tons of CO per year.

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 1.04 pounds of CO per mmBtu actual heat input based on manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 10 of 40 CFR Part 60, Appendix A.

3. Emissions Limitation - 0.36 pound of nitrogen oxides (NOx) per mmBtu actual heat input and 1.6 tons of NOx per year.

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 0.36 pound of NOx per mmBtu actual heat input based on manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 7 of 40 CFR Part 60, Appendix A.

4. Emissions Limitation - 0.0007 pound per hour and 0.003 ton per year of particulate matter (PM).

Applicable Compliance Method - Compliance with these emissions limitation shall be demonstrated through the monitoring and record keeping requirements of Section C.1. and an emission factor of 0.0007 pound of PM per hour based on the USEPA guidance document AP-42, Table 3.2-3 dated 10/96. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

5. Emissions Limitation - 0.001 pound per hour and 0.004 ton per year of sulfur dioxide (SO₂).

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Section C.1.. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 6 of 40 CFR Part 60, Appendix A.

6. Emissions Limitation - 0.11 pound of volatile organic compounds (VOC) per mmBtu actual heat

input, and 0.48 ton of VOC per year.

Applicable Compliance Method - Compliance with these emissions limitations shall be demonstrated through the monitoring and record keeping requirements of Sections C.1. and C.2.. and an emission factor of 0.11 pound of VOC per mmBtu based on the manufacturer's test data. If required, the permittee shall also demonstrate compliance with these emissions limitations in accordance with the methods and procedures specified in Method 25 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

This emissions unit may be subject to the New Source Performance Standards for Stationary Internal Combustion Engines (40 CFR 60.320, Subpart FF) that were proposed on July 23, 1979. If USEPA finalizes this regulation as proposed, this source will be required to comply with all applicable requirements within that regulation.