State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

RE: FINAL PERMIT TO INSTALL MODIFICATION **CERTIFIED MAIL**

CRAWFORD COUNTY
Application No:
03-13388

	TOXIC REVIEW
	PSD
Y	**SYNTHETIC MINOR**
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 10/30/2003

American Municipal Power
Randy Meyer
2600 Airport Drive
Columbus, OH 43219

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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA **NWDO**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install **Issue Date: 10/30/2003**

Terms and Conditions **Effective Date: 10/30/2003**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL

03-13388

Application Number:	03-13388
APS Premise Number:	0317030059
Permit Fee:	**$300**
Name of Facility:	American Municipal Power
Person to Contact:	Randy Meyer
Address:	2600 Airport Drive Columbus, OH 43219

Location of proposed air contaminant source(s) [emissions unit(s)]:
Freese Works Place East
Galion, **Ohio**

Description of proposed emissions unit(s):
Administrative Modification to three No. 2 fired generators.

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

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

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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit 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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be <u>obtained before</u> the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 ninety (90) days after commencing operation of the source(s) covered by this permit.

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

Pollutant	Tons Per Year
PE	2.25
NOx	88.20
SO2	1.83
VOC	1.95
CO	6.63

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P001 - 20.02 mmBtu/hr #2 oil (fuel) fired diesel generator - (administrative modification to PTI #03-13388 originally issued on 12/19/00) modification to reflect the correct maximum capacity of the unit and to revise the synthetic minor terms and conditions of the previously issued PTI	OAC rule 3745-31-05(A)(3)	49.00 lb NOx/hr; 3.77 lb CO/hr, 2.26 TPY CO; 1.09 lb VOC/hr, 0.65 TPY VOC; 1.01 lb SO_2/hr, *0.61*PY SO_2, 0.75 TPY PE
	OAC rule 3745-31-05(D) Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements.	29.40 TPY NOx, as a rolling 12-month summation. See B.2. below.
	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mm BTU
	OAC rule 3745-17-07(A)(3)	20% opacity as a 6-minute average except as provided by rule.
	OAC rule 3745-18-06 (G)	See A.2.a.

2. Additional Terms and Conditions

2.a Applicable requirements established by this OAC Rule are less stringent than the requirements established by OAC Rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall burn only number two fuel oil in this emission unit. The number two fuel oil shall contain less than 0.05% sulfur by weight

2. The maximum annual fuel usage for this emissions unit shall not exceed 171,600 gallons per year, based upon a rolling, 12-month summation of the fuel usage.

   This emissions unit has been in operation for over 12 months and, for the purposes of demonstrating compliance with the first 12 months of the rolling restriction, the permittee shall use existing records verified by the Ohio EPA, Northwest District Office.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

   a. The fuel usage .

   b. the rolling, 12-month summation of the fuel usage.

   c. The calculated emissions of NOx, CO, VOC, SO2, and PE, in tons.

   d. The year-to-date summation of CO, VOC, SO2, and PE in TPY.

   e. The rolling, 12-month summation of NOx, in TPY.

2. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

4. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month fuel usage limitation and the sulfur content restriction. . These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(2).

2. The permittee shall submit deviation (excursion) reports that identify each day in which a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

3. The permittee shall also submit annual reports which specify the total nitrogen oxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year

E. Testing Requirements/Compliance Methods Determination

1. The permittee shall conduct, or have conducted, emission testing for one of these emissions units contained in this Permit to Install (03-13388; EUs P001-P003). The results of this test will be used to demonstrate compliance with the allowable emissions rates of all of the diesel generators (P001-P003) located at the facility. The test shall be conducted in accordance with the following requirements:

   a. The emission testing shall have been conducted or be conducted within 180 days after issuance of the permit.

   b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for all emitted pollutants (NOx, CO, VOC, SO2, and PE).

   c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

Pollutant	Applicable USEPA Test Method*
NOx	Method s 1-4 and 7
PE	Method s 1-5
SO_2	Method s 1-4 and 6
CO	Method s 1-4 and 10
VOC	Method s 1-4 and 18, 25, or 25A

   Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

   *Applicable USEPA Test Methods can be found in 40 CFR Part 60, Appendix A

   d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

2. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

a. **Emission Limitation**
49.00 lbs NOx/hr
3.77 lbs CO/hr
1.09 lbs VOC/hr
0.062 lbs PE/mmBtu

Applicable Compliance Method
The permittee shall demonstrate compliance with the emissions limitations based on the performance testing as specified in section E.1.

b. **Emission Limitation**
29.40 TPY NOx, as a rolling 12-month summation
2.26 TPY CO
0.65 TPY VOC
0.61 TPY SO_2
0.75 TPY PE

Applicable Compliance Method
Compliance with the TPY limits will be demonstrated through the recordkeeping required in section C.1. of the terms and conditions of this permit.

c. **Emission Limitation**
1.01 lb SO_2/hr

Applicable Compliance Method
The hourly emission limitation represent the potential to emit of the emissions unit based on the maximum heat input rate (20.02 mmBtu/hr), and an emission factor of 1.01(S) lbs SO_2/mmBtu(AP-42 Table 3.4-1, dated 10/96), where S equals the maximum percent sulfur content of the fuel (0.05). Therefore, no monitoring and recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. The record keeping and analysis requirements specified in sections C.3. and C.4 of the terms and conditions of this permit shall be used to verify the sulfur content to the fuel.

d. **Emission Limitation**
20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method
OAC 3745-17-03 (B)(1)

F. Miscellaneous Requirements

None

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P002 - 20.02 mmBtu/hr #2 oil (fuel) fired diesel generator - (administrative modification to PTI #03-13388 originally issued on 12/19/00) modification to reflect the correct maximum capacity of the unit and to revise the synthetic minor terms and conditions of the previously issued PTI	OAC rule 3745-31-05(A)(3)	49.00 lb NOx/hr; 3.77 lb CO/hr, 2.26 TPY CO; 1.09 lb VOC/hr, 0.65 TPY VOC; 1.01 lb SO_2/hr, 0.61TPY SO_2, 0.75 TPY PE
	OAC rule 3745-31-05(D) Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements.	29.40 TPY NOx, as a rolling 12-month summation. See B.2. below.
	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mm BTU
	OAC rule 3745-17-07(A)(3)	20% opacity as a 6-minute average except as provided by rule.
	OAC rule 3745-18-06 (G)	See A.2.a.

2. Additional Terms and Conditions

2.a Applicable requirements established by this OAC Rule are less stringent than the requirements established by OAC Rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall burn only number two fuel oil in this emission unit. The number two fuel oil shall contain less than 0.05% sulfur by weight

2. The maximum annual fuel usage for this emissions unit shall not exceed 171,600 gallons per year, based upon a rolling, 12-month summation of the fuel usage.

This emissions unit has been in operation for over 12 months and, for the purposes of demonstrating compliance with the first 12 months of the rolling restriction, the permittee shall use existing records verified by the Ohio EPA, Northwest District Office.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

   a. The fuel usage .

   b. the rolling, 12-month summation of the fuel usage.

   c. The calculated emissions of NOx, CO, VOC, SO2, and PE, in tons.

   d. The year-to-date summation of CO, VOC, SO2, and PE in TPY.

   e. The rolling, 12-month summation of NOx, in TPY.

2. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

4. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month fuel usage limitation and the sulfur content restriction. . These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(2).

2. The permittee shall submit deviation (excursion) reports that identify each day in which a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

3. The permittee shall also submit annual reports which specify the total nitrogen oxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year

E. Testing Requirements/Compliance Methods Determination

1. The permittee shall conduct, or have conducted, emission testing for one of these emissions units contained in this Permit to Install (03-13388; EUs P001-P003). The results of this test will be used to demonstrate compliance with the allowable emissions rates of all of the diesel generators (P001-P003) located at the facility. The test shall be conducted in accordance with the following requirements:

   a. The emission testing shall have been conducted or be conducted within 180 days after issuance of the permit.

   b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for all emitted pollutants (NOx, CO, VOC, SO2, and PE).

   c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

Pollutant	Applicable USEPA Test Method*
NOx	Method s 1-4 and 7
PE	Method s 1-5
SO_2	Method s 1-4 and 6
CO	Method s 1-4 and 10
VOC	Method s 1-4 and 18, 25, or 25A

   Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

   *Applicable USEPA Test Methods can be found in 40 CFR Part 60, Appendix A

   d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

   Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

2. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

a. **Emission Limitation**
49.00 lbs NOx/hr
3.77 lbs CO/hr
1.09 lbs VOC/hr
0.062 lbs PE/mmBtu

Applicable Compliance Method
The permittee shall demonstrate compliance with the emissions limitations based on the performance testing as specified in section E.1.

b. **Emission Limitation**
29.40 TPY NOx, as a rolling 12-month summation
2.26 TPY CO
0.65 TPY VOC
0.61 TPY SO_2
0.75 TPY PE

Applicable Compliance Method
Compliance with the TPY limits will be demonstrated through the recordkeeping required in section C.1. of the terms and conditions of this permit.

c. **Emission Limitation**
1.01 lb SO_2/hr

Applicable Compliance Method
The hourly emission limitation represent the potential to emit of the emissions unit based on the maximum heat input rate (20.02 mmBtu/hr), and an emission factor of 1.01(S) lbs SO_2/mmBtu(AP-42 Table 3.4-1, dated 10/96), where S equals the maximum percent sulfur content of the fuel (0.05). Therefore, no monitoring and recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. The record keeping and analysis requirements specified in sections C.3. and C.4

of the terms and conditions of this permit shall be used to verify the sulfur content to the fuel.

d. **Emission Limitation**
20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method
OAC 3745-17-03 (B)(1)

F. Miscellaneous Requirements

None

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P003 - 20.02 mmBtu/hr #2 oil (fuel) fired diesel generator - (administrative modification to PTI #03-13388 originally issued on 12/19/00) modification to reflect the correct maximum capacity of the unit and to revise the synthetic minor terms and conditions of the previously issued PTI	OAC rule 3745-31-05(A)(3)	49.00 lb NOx/hr; 3.77 lb CO/hr, 2.26 TPY CO; 1.09 lb VOC/hr, 0.65 TPY VOC; 1.01 lb SO_2/hr, 0.61TPY SO_2, 0.75 TPY PE
	OAC rule 3745-31-05(D) Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements.	29.40 TPY NOx, as a rolling 12-month summation. See B.2. below.
	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mm BTU
	OAC rule 3745-17-07(A)(3)	20% opacity as a 6-minute average except as provided by rule.
	OAC rule 3745-18-06 (G)	See A.2.a.

2. Additional Terms and Conditions

2.a Applicable requirements established by this OAC Rule are less stringent than the requirements established by OAC Rule 3745-31-05.

B. Operational Restrictions

1. The permittee shall burn only number two fuel oil in this emission unit. The number two fuel oil shall contain less than 0.05% sulfur by weight

2. The maximum annual fuel usage for this emissions unit shall not exceed 171,600 gallons per year, based upon a rolling, 12-month summation of the fuel usage.

This emissions unit has been in operation for over 12 months and, for the purposes of demonstrating compliance with the first 12 months of the rolling restriction, the permittee shall use existing records verified by the Ohio EPA, Northwest District Office.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

   a. The fuel usage .

   b. the rolling, 12-month summation of the fuel usage.

   c. The calculated emissions of NOx, CO, VOC, SO2, and PE, in tons.

   d. The year-to-date summation of CO, VOC, SO2, and PE in TPY.

   e. The rolling, 12-month summation of NOx, in TPY.

2. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

4. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month fuel usage limitation and the sulfur content restriction. . These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(2).

2. The permittee shall submit deviation (excursion) reports that identify each day in which a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

3. The permittee shall also submit annual reports which specify the total nitrogen oxide emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year

E. Testing Requirements/Compliance Methods Determination

1. The permittee shall conduct, or have conducted, emission testing for one of these emissions units contained in this Permit to Install (03-13388; EUs P001-P003). The results of this test will be used to demonstrate compliance with the allowable emissions rates of all of the diesel generators (P001-P003) located at the facility. The test shall be conducted in accordance with the following requirements:

   a. The emission testing shall have been conducted or be conducted within 180 days after issuance of the permit.

   b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for all emitted pollutants (NOx, CO, VOC, SO2, and PE).

   c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

Pollutant	Applicable USEPA Test Method*
NOx	Method s 1-4 and 7
PE	Method s 1-5
SO_2	Method s 1-4 and 6
CO	Method s 1-4 and 10
VOC	Method s 1-4 and 18, 25, or 25A

   Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

   *Applicable USEPA Test Methods can be found in 40 CFR Part 60, Appendix A

   d. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

   Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

2. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

a. **Emission Limitation**
49.00 lbs NOx/hr
3.77 lbs CO/hr
1.09 lbs VOC/hr
0.062 lbs PE/mmBtu

Applicable Compliance Method
The permittee shall demonstrate compliance with the emissions limitations based on the performance testing as specified in section E.1.

b. **Emission Limitation**
29.40 TPY NOx, as a rolling 12-month summation
2.26 TPY CO
0.65 TPY VOC
0.61 TPY SO_2
0.75 TPY PE

Applicable Compliance Method
Compliance with the TPY limits will be demonstrated through the recordkeeping required in section C.1. of the terms and conditions of this permit.

c. **Emission Limitation**
1.01 lb SO_2/hr

Applicable Compliance Method
The hourly emission limitation represent the potential to emit of the emissions unit based on the maximum heat input rate (20.02 mmBtu/hr), and an emission factor of 1.01(S) lbs SO_2/mmBtu(AP-42 Table 3.4-1, dated 10/96), where S equals the maximum percent sulfur content of the fuel (0.05). Therefore, no monitoring and recordkeeping, reporting, or compliance method calculations are required to demonstrate compliance with these limitations. The record keeping and analysis requirements specified in sections C.3. and C.4

of the terms and conditions of this permit shall be used to verify the sulfur content to the fuel.

d. **Emission Limitation**
20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method
OAC 3745-17-03 (B)(1)

F. Miscellaneous Requirements

None