State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
WOOD COUNTY

Street Address: Mailing Address: Lazarus Gov. Center
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

Application No: 03-13608

DATE: 8/7/2001

American Municipal Power-Ohio (Amp Ohio)
Randy Meyer
2600 Airport Drive
Columbus, OH 43219

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
Field Operations and Permit Section
Division of Air Pollution Control

CC: **USEPA** **NWDO**
XXXX

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install **Issue Date: 8/7/2001**
Terms and Conditions **Effective Date: 8/7/2001**

FINAL PERMIT TO INSTALL 03-13608

Application Number:	03-13608
APS Premise Number:	0387020382
Permit Fee:	**$200**
Name of Facility:	American Municipal Power-Ohio (Amp Ohio)
Person to Contact:	Randy Meyer
Address:	2600 Airport Drive Columbus, OH 43219

Location of proposed air contaminant source(s) [emissions unit(s)]:
17549 River Road
Bowling Green, Ohio

Description of proposed emissions unit(s):
Installation of a stationary diesel fired internal combustion engine rated at 1,095 BHP (7.71 mmBtu/hr heat input.

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. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.

ii. The date(s) analyses were performed.

iii. The company or entity that performed the analyses.

iv. The analytical techniques or methods used.

v. The results of such analyses.

vi. The operating conditions existing at the time of sampling or measurement.

b. 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.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written 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. See B.10 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. 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, i.e., upset, 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. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d. This permit does not convey any property rights of any sort, or any exclusive privilege.

e. 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 request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. 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.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are

required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

10. Permit To Operate Application

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 obtained before 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 thirty (30) days after commencing operation of the source(s) covered by this permit.

11. 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.

B. State Only Enforceable 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 of state-only enforceable 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 state-only required 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. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. 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).

9. 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.

10. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

C. 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.

American Municipal Power-Ohio (Amp Ohio) Facility ID: **0387020382**
PTI Application: **03-13608**
Issued: 8/7/2001

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

Pollutant	Tons Per Year
NOx	12.34
CO	3.28
SO2	0.20
PM	0.24
VOC	0.34

**PART II - SPECIAL TERMS AND CONDI
TIONS 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 - A stationary #2 fuel oil fired internal combustion engine rated at 1,095 BHP (7.71 mmBtu/hr heat input.	OAC rule 3745-31-05(A)(3)	24.67 lbs NOx/hr 6.55 lbs CO/hr, 3.28 tons CO/yr 0.39 lbs SO2/hr, 0.20 tons SO2/yr 0.47 lbs PE/hr, 0.24 tons PE/yr 0.69 lbs VOC/hr, 0.34 tons VOC/yr The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(b), OAC rule 3745-17-07(A) and OAC rule 3745-31-05(D)
	OAC rule 3745-31-05(D)	12.34 tons NOx per rolling 12-month period. (See A.2.a)
	OAC rule 3745-17-07(A)	20% opacity as a 6-minute average except as provided by rule.
	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mmBtu
	OAC rule 3745-18-06(B)	Exempt See A.2.b

2. Additional Terms and Conditions

2.a The permittee has requested a federally enforceable limitation of 12.34 tons NOx per rolling 12-month period based on fuel usage restrictions (See B.2) for purposes of avoiding PSD.

2.b This emissions unit is exempt from the SO2 emission limitations established by OAC rule 3745-18-06 based on a maximum rated heat input capacity equal to, or less than ten mmBtu per hour total rated capacity.

B. Operational Restrictions

1. The permittee shall burn only number two fuel oil in this emission unit.

2. The maximum annual #2 fuel oil usage for this emissions unit shall not exceed 56,500 gallons per year, based upon a rolling, 12-month summation of the monthly fuel usage.

   To ensure enforceability during the first 12 calendar months of operation the permittee shall not exceed the fuel usage levels specified in the following table:

Month	Maximum Allowable Cumulative Fuel Usage (gallons)
1	9,417
1-2	18,834
1-3	28,250
1-4	31,388
1-5	34,526
1-6	37,644
1-7	40,802
1-8	43,940
1-9	47,078
1-10	50,216
1-11	53,354
1-12	56,500

   After the first 12 calendar months of operation compliance with the annual fuel usage limitation shall be based upon a rolling, 12-month summation of the monthly fuel usage.

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C. Monitoring and/or Recordkeeping Requirements

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

   a. Number 2 fuel oil usage in gallons.

   b. The calculated emissions of NOx in tons.

   c. Beginning after the first 12 calendar months of operation, the rolling, 12-month summation of the #2 fuel oil usage in gallons and the rolling 12-month summation of NOx emissions.

   Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative #2 fuel oil usage for each calendar month and the calculated NOx emissions.

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.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month fuel usage limitation and, for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative fuel usage levels. 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.

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

   a. The emission testing shall be conducted within 180 days after start-up of the emissions unit.

   b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for NOx.

   c. The following test method shall be employed to demonstrate compliance with the allowable mass emission rate: for NOx, Method 7 of 40 CFR Part 60, Appendix A.

      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 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**
24.67 lbs NOx/hr
6.55 lbs CO/hr
0.69 lbs VOC/hr
0.47 lbs PE/hr
0.39 lbs SO_2/hr

Applicable Compliance Method
The permittee shall demonstrate compliance with the lb/hr limitations by multiplying the

maximum heat content of the fuel (0.1365 mmBTU/gal) by the appropriate emission factor from AP-42, Table 3.4-1 (revised 10/96) (lbs/mmBTU) and the maximum fuel usage capacity of 56.5 gal/hr. If required, compliance with the hourly emissions rates shall be based on stack testing using the following methods and procedures: for CO, Method 10 of 40 CFR, Part 60, Appendix A, for VOC, Method 18, 21, 24 or 25 of 40 CFR, Part 60, Appendix A,, for PE, Method 5 of 40 CFR, Part 60, Appendix A and for SO2, Method 6 of 40 CFR, Part 60, Appendix A.

The permittee shall demonstrate compliance with the NOx emissions limitation based on the results of the stack test on the emissions unit as required in section E.1.

b. **Emission Limitation**
12.34 tons NOx per rolling 12-month period
3.28 TPY CO
0.34 TPY VOC
0.20 TPY SO_2
0.24 TPY PE

Applicable Compliance Method
The permittee shall demonstrate compliance with the TPY limitations by multiplying the maximum heat content of the fuel (0.1365 mmBTU/gal), by the appropriate emission factor from AP-42, Table 3.4-1 (revised 10/96) (lbs/mmBTU), and the maximum fuel usage restriction of 56,500 gal/yr, and dividing by 2000 lbs.

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

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

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

d. **Emission Limitation**
0.062 lbs PE/mmBTU

Applicable Compliance Method
The permittee shall demonstrate compliance with the lbs/mmBtu restriction through the use of AP-42 emission factors, Table 3.4-1 (revised 10/96).

If required, compliance shall be determined in accordance with the test method 5 - 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

None

Emissions Unit ID: **P001**

NEW SOURCE REVIEW FORM B

PTI Number: 03-13608 Facility ID: 0387020382

FACILITY NAME American Municipal Power-Ohio (AMP Ohio)

FACILITY DESCRIPTION Installation of a stationary diesel fired internal combustion engine rated at 1,095 BHP (7.71 mmBtu/hr heat input). CITY/TWP Bowling Green

SIC CODE 4911 SCC CODE 2-02-004-01 EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION Stationary 7.71 mmBtu/hr No. 2 oil (fuel) fired diesel generator.

DATE INSTALLED 06/30

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Attainment	0.47 lbs/hr, 0.062 lb/mmBtu	0.24	0.47 lbs/hr, 0.062 lb/mmBtu	0.24
PM_{10}					
Sulfur Dioxide	Attainment	0.39 lbs/hr, 0.05 lb/mmBtu	0.2	0.39 lbs/hr, 0.05 lb/mmBtu	0.2
Organic Compounds	Attainment	0.69 lbs/hr, 0.09 lb/mmBtu	0.34	0.69 lbs/hr, 0.09 lb/mmBtu	0.34
Nitrogen Oxides	Attainment	24.67 lbs/hr, 3.2 lbs/mmBtu	12.34 per rolling 12-month period	24.67 lbs/hr, 3.2 lbs/mmBtu	12.34 per rolling 12-month period
Carbon Monoxide	Attainment	6.55 lbs/hr, 0.85 lb/mmBtu	3.28	6.55 lbs/hr, 0.85 lb/mmBtu	3.28
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO NESHAP? NO PSD? NO OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?
Enter Determination Compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? $

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit hard copy items to **Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to **airpti@epa.state.oh.us**

Please fill out the following. If the checkbox does not work, replace it with an 'X'	Electronic	**Additional information** File Name Convention (your PTI # plus this letter)	Hard Copy	None

Emissions Unit ID: **P001**

NEW SOURCE REVIEW FORM B

PTI Number: 03-13608 Facility ID: 0387020382

FACILITY NAME American Municipal Power-Ohio (AMP Ohio)

FACILITY DESCRIPTION Installation of a stationary diesel fired internal combustion engine rated at 1,095 BHP (7.71 mmBtu/hr heat input). CITY/TWP Bowling Green

Calculations (required)	☒	0000000**c**.wpd	☐	
Modeling form/results	☐	0000000**s**.wpd	☐	☒
PTI Application (complete or partial)*	☐	0000000**a**.wpd	☐	☒
BAT Study	☐	0000000**b**.wpd	☐	☒
Other/misc.	☐	0000000**t**.wpd	☐	☒

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

NSR Discussion

This PTI is for a stationary diesel fired internal combustion engine, emission unit P001. See permit review/calculations form for additional information.

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

☒ **Synthetic Minor Determination and/or** ☐ **Netting Determination**

Permit To Install **ENTER PTI NUMBER HERE**

A. Source Description

AMP-Ohio plans to install a stationary diesel fired internal combustion engine (P001). The engine is a Stewart & Stevenson packaged 1,095 BHP Detroit Diesel engine, (7.71 mmBtu/hr input; 565 kWe output) low sulfur No. 2 diesel fuel oil fired electric generating unit. This engine will be used as a peaking unit for primary back-up power for the Bowling Green Water Treatment Plant. The unit may also be used for providing short-term peaking generation capacity.

B. Facility Emissions and Attainment Status

The facility is potentially a major stationary source for NOx emissions. Wood County is attainment for this pollutant. The facility has minor emissions of the other criteria pollutants.

C. Source Emissions

Potential emissions from P001 at 8760 hrs/yr:

24.67 lb NOx/hr
108 tons NOx/yr

AMP-Ohio has proposed to limit the fuel usage of these three units to 56,500 gallons of No. 2 fuel per rolling 12-month period. With this federally enforceable operating restriction, the potential to emit will be:

24.67 lb NOx/hr
12.34 tons NOx/yr
3.2 lbs NOx/mmBtu

Emissions Unit ID: **P001**

NEW SOURCE REVIEW FORM B

PTI Number: 03-13608 Facility ID: 0387020382

FACILITY NAME American Municipal Power-Ohio (AMP Ohio)

FACILITY DESCRIPTION	Installation of a stationary diesel fired internal combustion engine rated at 1,095 BHP (7.71 mmBtu/hr heat input).	CITY/TWP	Bowling Green

D. Conclusion

With the restrictions in the fuel usage for emission unit P001 the NOx emissions will be less than 100 TPY. Therefore, this facility will not be subject to Title V or PSD review.

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

SUMMARY (for informational purposes only)

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
NOx	12.34
CO	3.28
SO2	0.20
PM	0.24
VOC	0.34