



State of Ohio Environmental Protection Agency

**RE: PERMIT TO INSTALL
TUSCARAWAS COUNTY**

Street Address:
1800 WaterMark Drive
Columbus, OH 43215-1099

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

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

Application No: 06-5729

DATE: July 14, 1999

AMP-Ohio, Dover Diesel Peaking Station
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,

A handwritten signature in cursive script that reads "Thomas G. Rigo".

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA Ohio EPA, Southeast District Office, DAPC



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY
PERMIT TO INSTALL 06-5729

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To

Application Number: 06-5729
APS Premise Number: 0679010304
Permit Fee: **\$2,400**
Name of Facility: AMP-Ohio, Dover Diesel Peaking Station
Person to Contact: Randy Meyer
Address: 2600 Airport Drive
Columbus, OH 43219

Location of proposed air contaminant source(s) [emissions unit(s)]:

**Ohio Avenue
Dover, OHIO**

Description of proposed emissions unit(s):

6 DIESEL GENERATORS EACH 17.53 MMBTU 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. 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

AMP-Ohio, Dover Diesel Peaking Station

PTI Application: **06-5729**

July 14, 1999

Facility ID: **0679010304**

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.

AMP-Ohio, Dover Diesel Peaking Station

Facility ID: 0679010304

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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>
NO _x	85.86
CO	6.70
SO ₂	1.62
PM	1.94

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>	
		OAC rule 3745-17-07(A)
Diesel generator Unit #1, Caterpillar Model 3516B having Nominal heat input of 17.53 mmBtu per hour.	OAC rule 3745-31-05	OAC rule 3745-17-11(B)(5)(b)
		OAC rule 3745-18-06(G)

Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements

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Emissions Unit ID: **P001**

Applicable Emissions
Limitations/Control Measures

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input nor 1.94 tons per year.

Sulfur Dioxide emissions shall not exceed 0.90 lb/hr nor 1.62 tons per year. See additional terms and condition 2.b. below.

Carbon Monoxide emissions shall not exceed 3.72 lbs/hr nor 6.70 tons per year.

VOC emissions shall not exceed 1.06 lbs/hr nor 1.85 tons per year.

Nitrogen Oxide emissions shall not exceed 47.69 lbs/hr nor 85.75 tons per year, as a rolling, 12-month summation..

85.75 TPY nitrogen oxides for emissions units P001-P006, as a rolling, 12-month summation. See additional terms and condition B.1. below.

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Same as 3745-31-05 requirement.

Less stringent than 3745-31-05

2. Additional Terms and Conditions

- a. The nitrogen oxides emissions from this emissions unit P001 or the total nitrogen oxides from emission units P001, P002, P003, P004, P005 and P006 at this facility shall not exceed 85.75 TPY based on a rolling 12-month summation.
- b. The permittee shall be required to burn only No. 2 diesel fuel containing less than 0.05% sulfur by weight.

B. Operational Restrictions

- 1. The maximum annual diesel fuel usage for emissions units P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

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

Month	Maximum Allowable Cumulative Diesel Fuel Usage (Gallons)
1-1	115,000
1-2	146,363
1-3	177,726
1-4	209,089
1-5	240,452
1-6	271,815
1-7	303,178
1-8	334,541
1-9	365,904
1-10	397,267
1-11	428,630
1-12	460,000

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual diesel fuel usage rate limitation shall be based upon a rolling, twelve-month summation.

C. Monitoring and/or Recordkeeping Requirements

AMP-Ohio, Dover Diesel Peaking Station

PTI Application: **06 5720**

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Facility ID: **0679010304**

Emissions Unit ID: **P001**

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

- a. the diesel fuel usage for each month; and,
- b. the rolling, twelve-month summation of the diesel fuel usage rates, beginning after the first 12 calendar months of operation following the issuance of the permit.

Also, during the first 12 calendar months of operation following the issuance of the permit, the permittee shall record the cumulative diesel fuel usage rate for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify any exceedance of the rolling twelve month diesel fuel usage limitation and for the first 12 calendar months of operation following the issuance of the permit, all exceedances of the maximum allowable cumulative diesel fuel usage limits. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
2. 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

1. Emission Limitation

20 percent opacity of visible particulate emissions.

Applicable Compliance Method

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

2. Emission Limitation

0.062 lb/mmBtu of particulate nor 1.94 TPY.

Applicable Compliance Method

Compliance shall be based upon an emission factors supplied by the manufacturer of 0.006 lb/gallon. This emission unit burns 128.4 gallons per hour. 128.4 gals/hr x 0.006 lb/gal divided

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Emissions Unit ID: **P001**

by $17.53 \text{ mmBtu/hr} = 0.044 \text{ lb/mmBtu input}$. $0.006 \text{ lb/gallon} \times 460,000 \text{ gallons/yr} = 2760 \text{ lbs/yr}$ divided by $2000 \text{ lb/ton} = 1.38 \text{ TPY}$. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

3. Emission Limitation

The nitrogen oxides emissions from emissions unit P001 shall not exceed 47.69 lbs/hr nor 85.75 TPY, as a rolling, 12-month summation. Also the total nitrogen oxide emissions from P001, P002, P003, P004, P005, and P006 shall not exceed 85.75 TPY, as a rolling, 12-month summation.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.371 lb/gallon times 128.4 gallons/hr equals 47.63 lbs/hr. And 0.371 lb/gallon times 460,000 gallons/yr., as a rolling, 12-month summation, for this emission unit or all emission units combined divided by 2,000 lbs/ton equals 85.33 tons/yr. The emission factor was supplied by the manufacturer for units using low NO_x burners. If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Method 7, 40 CFR Part 60, Appendix A.

4. Emission Limitation

The sulfur dioxide emissions from this unit shall not exceed 0.90 lb/hr. nor 1.62 TPY.

Diesel fuel containing less than 0.05 percent sulfur by weight. The emission factor 0.007 lb/gallon times 128.4 gallons/hr equals 0.898 lb/hr. And 0.007 lb/gallon X 460,000 gallons/yr. = 1.61 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 6.

5. Emission Limitation

The Carbon Monoxide emissions from this emission unit shall not exceed 3.72 lb/hr nor 6.70 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.029 lb/gallon times 128.4 gallons/hr equals 3.72 lbs/hr. And 0.029 lb/gallon times 460,000 gallons/yr. for this emission unit or all emission units combined divided by 2,000 lbs/ton = 6.67 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 10.

6. Emission Limitation

AMP-Ohio, Dover Diesel Peaking StationPTI Application: **06 5720****July 1**Facility ID: **0679010304**Emissions Unit ID: **P001**

The VOC emissions from this emission unit shall not exceed 1.06 lbs/hr nor 1.85 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.008 lb/gallon times 128.4 gallons/hr = 1.03 lbs/hr. And 0.008 lb/gallon times 460,000 gallons/yr for this emission unit or all emission units combined divided by 2,000 lbs/ton = 1.84 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 25.

7. Operational Restriction

The maximum annual diesel fuel usage for each emissions unit or P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

Applicable Compliance Method

Compliance shall be determined by the monitoring and recordkeeping in section C. 1. of this permit.

F. Miscellaneous Requirements

None.

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Emissions Unit ID: P002

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

A. Applicable Emissions Limitations and/or Control Requirements

- 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>	
Diesel generator Unit #2, Caterpillar Model 3516B having Nominal heat input of 17.53 mmBtu per hour.	OAC rule 3745-31-05	OAC rule 3745-17-07(A)
		OAC rule 3745-17-11(B)(5)(b)
		OAC rule 3745-18-06
	Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements	

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Emissions Unit ID: **P002**

Applicable Emissions
Limitations/Control Measures

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input or 1.94 tons per year.

Sulfur Dioxide emissions shall not exceed 0.90 lb/hr or 1.62 tons per year.

See additional terms and condition 2.b. below.

Carbon Monoxide emissions shall not exceed 3.72 lbs/hr or 6.70 tons per year.

VOC emissions shall not exceed 1.06 lbs/hr nor 1.85 tons per year.

Nitrogen Oxide emissions shall not exceed 47.69 lbs/hr or 85.75 tons per year, as a rolling, 12-month summation. See additional terms and condition 2.a. below.

85.75 TPY nitrogen oxides for emissions units P001-P006, as a rolling, 12-month summation. See additional terms and condition B.1. below.

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Same as 3745-31-05 requirement.

Less stringent than 3745-31-05

2. Additional Terms and Conditions

- a. The nitrogen oxides emissions from this emissions unit P002 or the total nitrogen oxides from emission units P001, P002, P003, P004, P005 and P006 at this facility shall not exceed 85.75 TPY based on a rolling 12-month summation.
- b. The permittee shall be required to burn only No. 2 diesel fuel containing less than 0.05% sulfur by weight.

B. Operational Restrictions

1. The maximum annual diesel fuel usage for emissions units P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

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

Month	Maximum Allowable Cumulative Diesel Fuel Usage (Gallons)
1-1	115,000
1-2	146,363
1-3	177,726
1-4	209,089
1-5	240,452
1-6	271,815
1-7	303,178
1-8	334,541
1-9	365,904
1-10	397,267
1-11	428,630
1-12	460,000

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual diesel fuel usage rate limitation shall be based upon a rolling, twelve-month summation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information:
 - a. the diesel fuel usage for each month; and,
 - b. the rolling, twelve-month summation of the diesel fuel usage rates, beginning after the first 12 calendar months of operation following the issuance of the permit.

Also, during the first 12 calendar months of operation following the issuance of the permit, the permittee shall record the cumulative diesel fuel usage rate for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify any exceedance of the rolling twelve month diesel fuel usage limitation and for the first 12 calendar months of operation following the issuance of the permit, all exceedances of the maximum allowable cumulative diesel fuel usage limits. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
2. 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

1. Emission Limitation

20 percent opacity of visible particulate emissions.

Applicable Compliance Method

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

2. Emission Limitation

0.062 lb/mmBtu of particulate nor 1.94 TPY.

Applicable Compliance Method

Compliance shall be based upon an emission factors supplied by the manufacturer of 0.006 lb/gallon. This emission unit burns 128.4 gallons per hour. $128.4 \text{ gals/hr} \times 0.006 \text{ lb/gal}$ divided by $17.53 \text{ mmBtu/hr} = 0.044 \text{ lb/mmBtu input}$. $0.006 \text{ lb/gallon} \times 460,000 \text{ gallons/yr} = 2760 \text{ lbs/yr}$ divided by $2000 \text{ lbs/ton} = 1.38 \text{ TPY}$. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

3. Emission Limitation

The nitrogen oxides emissions from emissions unit P001 shall not exceed 47.69 lbs/hr nor 85.75 TPY, as a rolling, 12-month summation. Also the total nitrogen oxide emissions from P001, P002, P003, P004, P005, and P006 shall not exceed 85.75 TPY, as a rolling, 12-month summation.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.371 lb/gallon times 128.4 gallons/hr equals 47.63 lbs/hr. And $0.371 \text{ lb/gallon} \times 460,000 \text{ gallons/yr.}$, as a rolling, 12-month summation, for this emission unit or all emission units combined divided by $2,000 \text{ lbs/ton}$ equals 85.33 tons/yr. The emission factor was supplied by the manufacturer for units using low NO_x burners. If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Method 7, 40 CFR Part 60, Appendix A.

4. Emission Limitation

The sulfur dioxide emissions from this unit shall not exceed 0.90 lb/hr. nor 1.62 TPY.

Diesel fuel containing less than 0.05 percent sulfur by weight. The emission factor 0.007 lb/gallon times 128.4 gallons/hr equals 0.898 lb/hr . And $0.007 \text{ lb/gallon} \times 460,000 \text{ gallons/yr.} = 1.61 \text{ TPY}$. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 6.

5. Emission Limitation

The Carbon Monoxide emissions from this emission unit shall not exceed 3.72 lbs/hr nor 6.70 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.029 lb/gallon times 128.4

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gallons/hr equals 3.72 lbs/hr. And 0.029 lb/gallon times 460,000 gallons/yr. for this emission unit or all emission units combined divided by 2,000 lbs/ton = 6.67 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 10.

6. Emission Limitation

The VOC emissions from this emission unit shall not exceed 1.06 lbs/hr nor 1.85 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.008 lb/gallon times 128.4 gallons/hr = 1.03 lbs/hr. And 0.008 lb/gallon times 460,000 gallons/yr for this emission unit or all emission units combined divided by 2,000 lbs/ton = 1.84 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 25.

7. Operational Restriction

The maximum annual diesel fuel usage for each emissions unit or P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

Applicable Compliance Method

Compliance shall be determined by the monitoring and recordkeeping in section C. 1. of this permit.

F. Miscellaneous Requirements

None.

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Emissions Unit ID: **P003**

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

A. Applicable Emissions Limitations and/or Control Requirements

- 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>	
Diesel generator Unit #3, Caterpillar Model 3516B having Nominal heat input of 17.53 mmBtu per hour.	OAC rule 3745-31-05	OAC rule 3745-17-07(A)
		OAC rule 3745-17-11(B)(5)(b)
		OAC rule 3745-18-06
	Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements	

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Emissions Unit ID: **P003**

Applicable Emissions
Limitations/Control Measures

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input or 1.94 tons per year.

Sulfur Dioxide emissions shall not exceed 0.90 lb/hr or 1.62 tons per year.
See additional terms and condition 2.b. below.

Carbon Monoxide emissions shall not exceed 3.72 lbs/hr or 6.70 tons per year.

VOC emissions shall not exceed 1.06 lbs/hr nor 1.85 tons per year.

Nitrogen Oxide emissions shall not exceed 47.69 lbs/hr or 85.75 tons per year, as a rolling, 12-month summation. See additional terms and condition 2.a. below.

85.75 TPY nitrogen oxides for emissions units P001-P006, as a rolling, 12-month summation. See additional terms and condition B.1. below.

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Same as 3745-31-05 requirement.

Less stringent than 3745-31-05

2. **Additional Terms and Conditions**

- a. The nitrogen oxides emissions from this emissions unit P003 or the total nitrogen oxides from emission units P001, P002, P003, P004, P005 and P006 at this facility shall not exceed 85.75 TPY based on a rolling 12-month summation.
- b. The permittee shall be required to burn only No. 2 diesel fuel containing less than 0.05 percent sulfur by weight.

B. Operational Restrictions

1. The maximum annual diesel fuel usage for emissions units P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

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

Month	Maximum Allowable Cumulative Diesel Fuel Usage (Gallons)
1-1	115,000
1-2	146,363
1-3	177,726
1-4	209,089
1-5	240,452
1-6	271,815
1-7	303,178
1-8	334,541
1-9	365,904
1-10	397,267
1-11	428,630
1-12	460,000

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual diesel fuel usage rate limitation shall be based upon a rolling, twelve-month summation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information:
 - a. the diesel fuel usage for each month; and,
 - b. the rolling, twelve-month summation of the diesel fuel usage rates, beginning after the first 12 calendar months of operation following the issuance of the permit.

Also, during the first 12 calendar months of operation following the issuance of the permit, the permittee shall record the cumulative diesel fuel usage rate for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify any exceedance of the rolling twelve month diesel fuel usage limitation and for the first 12 calendar months of operation following the issuance of the permit, all exceedances of the maximum allowable cumulative diesel fuel usage limits. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
2. 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

1. Emission Limitation

20% opacity of visible particulate emissions.

Applicable Compliance Method

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

2. Emission Limitation

0.062 lb/mmBtu of particulate nor 1.94 TPY.

Applicable Compliance Method

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Emissions Unit ID: **P003**

Compliance shall be based upon an emission factors supplied by the manufacturer of 0.006 lb/gallon. This emission unit burns 128.4 gallon per hour. $128.4 \text{ gals/hr} \times 0.006 \text{ lb/gal}$ divided by $17.53 \text{ mmBtu/hr} = 0.044 \text{ lb/mmbtu input}$. $0.006 \text{ lb/gallon} \times 460,000 \text{ gallons/yr} = 2760 \text{ lbs/yr}$ divided

by 2000 lbs/ton = 1.38 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

3. Emission Limitation

The nitrogen oxides emissions from emissions unit P001 shall not exceed 47.69 lbs/hr nor 85.75 TPY, as a rolling, 12-month summation. Also the total nitrogen oxide emissions from P001, P002, P003, P004, P005, and P006 shall not exceed 85.75 TPY, as a rolling, 12-month summation.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.371 lb/gallon times 128.4 gallons/hr equals 47.63 lbs/hr. And 0.371 lb/gallon times 460,000 gallons/yr., as a rolling, 12-month summation, for this emission unit or all emission units combined divided by 2,000 lbs/ton equals 85.33 tons/yr. The emission factor was supplied by the manufacturer for units using low NO_x burners. If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Method 7, 40 CFR Part 60, Appendix A.

4. Emission Limitation

The sulfur dioxide emissions from this unit shall not exceed 0.90 lb/hr. nor 1.62 TPY.

Diesel fuel containing less than 0.05 percent sulfur by weight. The emission factor 0.007 lb/gallon times 128.4 gallons/hr equals 0.898 lb/hr. And 0.007 lb/gallon X 460,000 gallons/yr. = 1.61 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 6.

5. Emission Limitation

The Carbon Monoxide emissions from this emission unit shall not exceed 3.72 lbs/hr nor 6.70 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.029 lb/gallon times 128.4 gallons/hr equals 3.72 lbs/hr. And 0.029 lb/gallon times 460,000 gallons/yr. for this emission unit or all emission units combined divided by 2,000 lbs/ton = 6.67 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 10.

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PTI Application: **06 5770**

July 1

Facility ID: **0679010304**

Emissions Unit ID: **P003**

6. Emission Limitation

The VOC emissions from this emission unit shall not exceed 1.06 lbs/hr nor 1.85 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.008 lb/gallon times 128.4 gallons/hr = 1.03 lbs/hr. And 0.008 lb/gallon times 460,000 gallons/yr for this emission unit or all emission units combined divided by 2,000 lbs/ton = 1.84 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 25.

7. Operational Restriction

The maximum annual diesel fuel usage for each emissions unit or P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

Applicable Compliance Method

Compliance shall be determined by the monitoring and recordkeeping in section C. 1. of this permit.

F. Miscellaneous Requirements

None.

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Emissions Unit ID: P004

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>
Diesel generator Unit #4, Caterpillar Model 3516B having Nominal heat input of 17.53 mmBtu per hour.	OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)(5)(b) OAC rule 3745-18-06
	Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements

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Emissions Unit ID: **P004**

Applicable Emissions
Limitations/Control Measures

Same as 3745-31-05 requirement.

Less stringent than 3745-31-05

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input or 1.94 tons per year.

Sulfur Dioxide emissions shall not exceed 0.90 lb/hr or 1.62 tons per year.

See additional terms and condition 2.b. below.

Carbon Monoxide emissions shall not exceed 3.72 lbs/hr or 6.70 tons per year.

VOC emissions shall not exceed 1.06 lbs/hr nor 1.85 tons per year.

Nitrogen Oxide emissions shall not exceed 47.69 lbs/hr or 85.75 tons per year, as a rolling, 12-month summation. See additional terms and condition 2.a. below.

85.75 TPY nitrogen oxides for emissions units P001-P006, as a rolling, 12-month summation. See additional terms and condition B.1. below.

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

AMP-Ohio, Dover Diesel Peaking StationPTI Application: **06 5770****July 1**Facility ID: **0679010304**Emissions Unit ID: **P004****2. Additional Terms and Conditions**

- a. The nitrogen oxides emissions from this emissions unit P004 or the total nitrogen oxides from emission units P001, P002, P003, P004, P005 and P006 at this facility shall not exceed 85.75 TPY based on a rolling 12-month summation.
- b. The permittee shall be required to burn only No. 2 diesel fuel containing less than 0.05 percent sulfur by weight.

B. Operational Restrictions

1. The maximum annual diesel fuel usage for emissions units P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

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

Month	Maximum Allowable Cumulative Diesel Fuel Usage (Gallons)
1-1	115,000
1-2	146,363
1-3	177,726
1-4	209,089
1-5	240,452
1-6	271,815
1-7	303,178
1-8	334,541
1-9	365,904
1-10	397,267
1-11	428,630
1-12	460,000

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual diesel fuel usage rate limitation shall be based upon a rolling, twelve-month summation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information:
 - a. the diesel fuel usage for each month; and,
 - b. the rolling, twelve-month summation of the diesel fuel usage rates, beginning after the first 12 calendar months of operation following the issuance of the permit.

Also, during the first 12 calendar months of operation following the issuance of the permit, the permittee shall record the cumulative diesel fuel usage rate for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify any exceedance of the rolling twelve month diesel fuel usage limitation and for the first 12 calendar months of operation following the issuance of the permit, all exceedances of the maximum allowable cumulative diesel fuel usage limits. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
2. 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

1. Emission Limitation

20 percent opacity of visible particulate emissions.

Applicable Compliance Method

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

2. Emission Limitation

0.062 lb/mmBtu of particulate nor 1.94 TPY.

Applicable Compliance Method

AMP-Ohio, Dover Diesel Peaking StationPTI Application: **06 5770****July 1**Facility ID: **0679010304**Emissions Unit ID: **P004**

Compliance shall be based upon an emission factors supplied by the manufacturer of 0.006 lb/gallon. This emission unit burns 128.4 gallons per hour. $128.4 \text{ gals/hr} \times 0.006 \text{ lb/gal}$ divided by $17.53 \text{ mmBtu/hr} = 0.044 \text{ lb/mmbtu input}$. $0.006 \text{ lb/gallon} \times 460,000 \text{ gallons/yr} = 2760 \text{ lbs/yr}$

divided by 2000 lbs/ton = 1.38 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

3. Emission Limitation

The nitrogen oxides emissions from emissions unit P001 shall not exceed 47.69 lbs/hr nor 85.75 TPY, as a rolling, 12-month summation. Also the total nitrogen oxide emissions from P001, P002, P003, P004, P005, and P006 shall not exceed 85.75 TPY, as a rolling, 12-month summation.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.371 lb/gallon times 128.4 gallons/hr equals 47.63 lbs/hr. And 0.371 lb/gallon times 460,000 gallons/yr., as a rolling, 12-month summation, for this emission unit or all emission units combined divided by 2,000 lbs/ton equals 85.33 tons/yr. The emission factor was supplied by the manufacturer for units using low NO_x burners. If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Method 7, 40 CFR Part 60, Appendix A.

4. Emission Limitation

The sulfur dioxide emissions from this unit shall not exceed 0.90 lb/hr. nor 1.62 TPY.

Diesel fuel containing less than 0.05 percent sulfur by weight. The emission factor 0.007 lb/gallon times 128.4 gallons/hr equals 0.898 lb/hr. And 0.007 lb/gallon X 460,000 gallons/yr. = 1.61 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 6.

5. Emission Limitation

The Carbon Monoxide emissions from this emission unit shall not exceed 3.72 lbs/hr nor 6.70 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.029 lb/gallon times 128.4 gallons/hr equals 3.72 lbs/hr. And 0.029 lb/gallon times 460,000 gallons/yr. for this emission unit or all emission units combined divided by 2,000 lbs/ton = 6.67 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 10.

6. Emission Limitation

The VOC emissions from this emission unit shall not exceed 1.06 lbs/hr nor 1.85 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.008 lb/gallon times 128.4 gallons/hr = 1.03 lbs/hr. And 0.008 lb/gallon times 460,000 gallons/yr for this emission unit or all emission units combined divided by 2,000 lbs/ton = 1.84 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 25.

7. Operational Restriction

The maximum annual diesel fuel usage for each emissions unit or P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

Applicable Compliance Method

Compliance shall be determined by the monitoring and recordkeeping in section C. 1. of this permit.

F. Miscellaneous Requirements

None.

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Emissions Unit ID: P005

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

A. Applicable Emissions Limitations and/or Control Requirements

- 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>	
Diesel generator Unit #5, Caterpillar Model 3516B having Nominal heat input of 17.53 mmBtu per hour.	OAC rule 3745-31-05	OAC rule 3745-17-07(A)
		OAC rule 3745-17-11(B)(5)(b)
		OAC rule 3745-18-06
	Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements	

AMP-Ohio, Dover Diesel Peaking Station

PTI Application: **06 5720**

July 1

Facility ID: **0679010304**

Emissions Unit ID: **P005**

Less stringent than 3745-31-05

Applicable Emissions
Limitations/Control Measures

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input or 1.94 tons per year.

Sulfur Dioxide emissions shall not exceed 0.90 lb/hr or 1.62 tons per year.

See additional terms and condition 2.b. below.

Carbon Monoxide emissions shall not exceed 3.72 lbs/hr or 6.70 tons per year.

VOC emissions shall not exceed 1.06 lbs/hr nor 1.85 tons per year.

Nitrogen Oxide emissions shall not exceed 47.69 lbs/hr or 85.75 tons per year P001-P006, as a rolling, 12-month summation. See additional terms and condition 2.a. below.

85.75 TPY nitrogen oxides for emissions units P001-P006, as a rolling, 12-month summation. See additional terms and condition B.1. below.

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Same as 3745-31-05 requirement.

2. **Additional Terms and Conditions**

- a. The nitrogen oxides emissions from this emissions unit P005 or the total nitrogen oxides from emission units P001, P002, P003, P004, P005 and P006 at this facility shall not exceed 85.75 TPY based on a rolling 12-month summation.
- b. The permittee shall be required to burn only No. 2 diesel fuel containing less than 0.05 percent sulfur by weight.

B. Operational Restrictions

1. The maximum annual diesel fuel usage for emissions units P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

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

Month	Maximum Allowable Cumulative Diesel Fuel Usage (Gallons)
1-1	115,000
1-2	146,363
1-3	177,726
1-4	209,089
1-5	240,452
1-6	271,815
1-7	303,178
1-8	334,541
1-9	365,904
1-10	397,267
1-11	428,630
1-12	460,000

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual diesel fuel usage rate limitation shall be based upon a rolling, twelve-month summation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information:
 - a. the diesel fuel usage for each month; and,
 - b. the rolling, twelve-month summation of the diesel fuel usage rates, beginning after the first 12 calendar months of operation following the issuance of the permit.

Also, during the first 12 calendar months of operation following the issuance of the permit, the permittee shall record the cumulative diesel fuel usage rate for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify any exceedance of the rolling twelve month diesel fuel usage limitation and for the first 12 calendar months of operation following the issuance of the permit, all exceedances of the maximum allowable cumulative diesel fuel usage limits. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
2. 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

1. Emission Limitation

20 percent opacity of visible particulate emissions.

Applicable Compliance Method

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

2. Emission Limitation

0.062 lb/mmBtu of particulate nor 1.94 TPY.

AMP-Ohio, Dover Diesel Peaking StationPTI Application: **06 5720****July 1**Facility ID: **0679010304**Emissions Unit ID: **P005**Applicable Compliance Method

Compliance shall be based upon an emission factors supplied by the manufacturer of 0.006 lb/gallon. This emission unit burns 128.4 gallons per hour. $128.4 \text{ gals/hr} \times 0.006 \text{ lb/gal}$ divided by $17.53 \text{ mmBtu/hr} = 0.044 \text{ lb/mmbtu input}$. $0.006 \text{ lb/gallon} \times 460,000 \text{ gallons/yr} = 2760 \text{ lbs/yr}$

divided by 2000 lb/ton = 1.38 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

3. Emission Limitation

The nitrogen oxides emissions from emissions unit P001 shall not exceed 47.69 lbs/hr nor 85.75 TPY, as a rolling, 12-month summation. Also the total nitrogen oxide emissions from P001, P002, P003, P004, P005, and P006 shall not exceed 85.75 TPY, as a rolling, 12-month summation.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.371 lb/gallon times 128.4 gallons/hr equals 47.63 lbs/hr. And 0.371 lb/gallon times 460,000 gallons/yr., as a rolling, 12-month summation, for this emission unit or all emission units combined divided by 2,000 lbs/ton equals 85.33 tons/yr. The emission factor was supplied by the manufacturer for units using low NO_x burners. If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Method 7, 40 CFR Part 60, Appendix A.

4. Emission Limitation

The sulfur dioxide emissions from this unit shall not exceed 0.90 lb/hr. nor 1.62 TPY.

Diesel fuel containing less than 0.05 percent sulfur by weight. The emission factor 0.007 lb/gallon times 128.4 gallons/hr equals 0.898 lb/hr. And 0.007 lb/gallon X 460,000 gallons/yr. = 1.61 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 6.

5. Emission Limitation

The Carbon Monoxide emissions from this emission unit shall not exceed 3.72 lbs/hr nor 6.70 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.029 lb/gallon times 128.4 gallons/hr equals 3.72 lbs/hr. And 0.029 lb/gallon times 460,000 gallon/yr. for this emission unit or all emission units combined divided by 2,000 lb/ton = 6.67 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 10.

6. Emission Limitation

The VOC emissions from this emission unit shall not exceed 1.06 lbs/hr nor 1.85 TPY.

AMP-Ohio, Dover Diesel Peaking StationPTI Application: **06 5770****July 1**Facility ID: **0679010304**Emissions Unit ID: **P005**Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.008 lb/gallon times 128.4 gallons/hr = 1.03 lbs/hr. And 0.008 lb/gallon times 460,000 gallons/yr for this emission unit or all emission units combined divided by 2,000 lbs/ton = 1.84 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 25.

7. Operational Restriction

The maximum annual diesel fuel usage for each emissions unit or P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

Applicable Compliance Method

Compliance shall be determined by the monitoring and recordkeeping in section C. 1. of this permit.

F. Miscellaneous Requirements

None.

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Emissions Unit ID: P006

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

A. Applicable Emissions Limitations and/or Control Requirements

- 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>	
Diesel generator Unit #6, Caterpillar Model 3516B having Nominal heat input of 17.53 mmBtu per hour.	OAC rule 3745-31-05	OAC rule 3745-17-07(A)
		OAC rule 3745-17-11(B)(5)(b)
		OAC rule 3745-18-06
	Synthetic Minor to avoid Prevention of Significant Deterioration (PSD) and Title V requirements	

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July 14, 1999**

Emissions Unit ID: **P006**

Applicable Emissions
Limitations/Control Measures

Less stringent than 3745-31-05

Particulate emissions shall not exceed 0.062 lb/mmBtu actual heat input or 1.94 tons per year.

Sulfur Dioxide emissions shall not exceed 0.90 lb/hr or 1.62 tons per year.
See additional terms and condition 2.b. below.

Carbon Monoxide emissions shall not exceed 3.72 lbs/hr or 6.70 tons per year.

VOC emissions shall not exceed 1.06 lbs/hr nor 1.85 tons per year.

Nitrogen Oxide emissions shall not exceed 47.69 lbs/hr or 85.75 tons per year, as a rolling, 12-month summation. See additional terms and condition 2.a. below.

85.75 TPY nitrogen oxides for emissions units P001-P006, as a rolling, 12-month summation. See additional terms and condition B.1. below.

Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Same as 3745-31-05 requirement.

2. Additional Terms and Conditions

- a. The nitrogen oxides emissions from this emissions unit P006 or the total nitrogen oxides from emission units P001, P002, P003, P004, P005 and P006 at this facility shall not exceed 85.75 TPY based on a rolling 12-month summation.
- b. The permittee shall be required to burn only No. 2 diesel fuel containing less than 0.05 percent sulfur by weight.

B. Operational Restrictions

1. The maximum annual diesel fuel usage for emissions units P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

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

Month	Maximum Allowable Cumulative Diesel Fuel Usage (Gallons)
1-1	115,000
1-2	146,363
1-3	177,726
1-4	209,089
1-5	240,452
1-6	271,815
1-7	303,178
1-8	334,541
1-9	365,904
1-10	397,267
1-11	428,630
1-12	460,000

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual diesel fuel usage rate limitation shall be based upon a rolling, twelve-month summation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information:
 - a. the diesel fuel usage for each month; and,
 - b. the rolling, twelve-month summation of the diesel fuel usage rates, beginning after the first 12 calendar months of operation following the issuance of the permit.

Also, during the first 12 calendar months of operation following the issuance of the permit, the permittee shall record the cumulative diesel fuel usage rate for each calendar month.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify any exceedance of the rolling twelve month diesel fuel usage limitation and for the first 12 calendar months of operation following the issuance of the permit, all exceedances of the maximum allowable cumulative diesel fuel usage limits. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
2. 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

1. Emission Limitation

20 percent opacity of visible particulate emissions.

Applicable Compliance Method

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

2. Emission Limitation

0.062 lb/mmBtu of particulate nor 1.94 TPY.

Applicable Compliance Method

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Emissions Unit ID: **P006**

Compliance shall be based upon an emission factors supplied by the manufacturer of 0.006 lb/gallon. This emission unit burns 128.4 gallons per hour. $128.4 \text{ gals/hr} \times 0.006 \text{ lb/gal}$ divided by $17.53 \text{ mmBtu/hr} = 0.044 \text{ lb/mmbtu input}$. $0.006 \text{ lb/gallon} \times 460,000 \text{ gallons/yr} = 2760 \text{ lbs/yr}$

divided by 2000 lbs/ton = 1.38 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

3. Emission Limitation

The nitrogen oxides emissions from emissions unit P001 shall not exceed 47.69 lbs/hr nor 85.75 TPY, as a rolling, 12-month summation. Also the total nitrogen oxide emissions from P001, P002, P003, P004, P005, and P006 shall not exceed 85.75 TPY, as a rolling, 12-month summation.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.371 lb/gallon times 128.4 gallons/hr equals 47.63 lbs/hr. And 0.371 lb/gallon times 460,000 gallons/yr., as a rolling, 12-month summation, for this emission unit or all emission units combined divided by 2,000 lbs/ton equals 85.33 tons/yr. The emission factor was supplied by the manufacturer for units using low NO_x burners. If required, the permittee shall demonstrate compliance with the above emissions limit in accordance with Method 7, 40 CFR Part 60, Appendix A.

4. Emission Limitation

The sulfur dioxide emissions from this unit shall not exceed 0.90 lb/hr. nor 1.62 TPY.

Diesel fuel containing less than 0.05 percent sulfur by weight. The emission factor 0.007 lb/gallon times 128.4 gallons/hr equals 0.898 lb/hr. And 0.007 lb/gallon X 460,000 gallons/yr. = 1.61 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 6.

5. Emission Limitation

The Carbon Monoxide emissions from this emission unit shall not exceed 3.72 lbs/hr nor 6.70 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.029 lb/gallon times 128.4 gallons/hr equals 3.72 lbs/hr. And 0.029 lb/gallon times 460,000 gallons/yr. for this emission unit or all emission units combined divided by 2,000 lbs/ton = 6.67 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 10.

AMP-Ohio, Dover Diesel Peaking Station

PTI Application: **06 5720**

July 1

Facility ID: **0679010304**

Emissions Unit ID: **P006**

6. Emission Limitation

The VOC emissions from this emission unit shall not exceed 1.06 lbs/hr nor 1.85 TPY.

Applicable Compliance Method

Compliance shall be determined by multiplying an emission factor of 0.008 lb/gallon times 128.4 gallons/hr = 1.03 lbs/hr. And 0.008 lb/gallon times 460,000 gallons/yr for this emission unit or all emission units combined divided by 2,000 lbs/ton = 1.84 TPY. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A Method 25.

7. Operational Restriction

The maximum annual diesel fuel usage for each emissions unit or P001, P002, P003, P004, P005, and P006 combined shall not exceed 460,000 gallons per year based upon a rolling, twelve-month summation.

Applicable Compliance Method

Compliance shall be determined by the monitoring and recordkeeping in section C. 1. of this permit.

F. Miscellaneous Requirements

None.