



State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL
FRANKLIN COUNTY

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 01-08176

DATE: 6/14/00

AMP Ohio Mobile Peaking Station
Randy Meyer
2600 Airport Dr
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, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

CDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install

Issue Date: 6/14/00

FINAL PERMIT TO INSTALL 01-08176

Application Number: 01-08176
APS Premise Number: 0125042435
Permit Fee: **\$200**
Name of Facility: AMP Ohio Mobile Peaking Station
Person to Contact: Randy Meyer
Address: 2600 Airport Dr
Columbus, OH 43219

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

**2600 Airport Dr
Columbus, Ohio**

Description of proposed emissions unit(s):

Diesel engine and diesel fired electric generator unit.

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

AMP Ohio Mobile Peaking Station
PTI Application: 01-08176
Issued: 6/14/00

Facility ID: 0125042435

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

AMP Ohio Mobile Peaking Station
PTI Application: 01-08176
Issued: 6/14/00

Facility ID: 0125042435

Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

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

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

AMP Ohio Mobile Peaking Station
PTI Application: 01-08176
Issued: 6/14/00

Facility ID: 0125042435

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>
PE	0.48
OC	0.69
CO	6.55
NOx	24.7
SO2	0.40

AMP Ohio Mobile Peaking Station
PTI Application: 01-09176
Issued

Facility ID: 0125042435

Emissions Unit ID: P013

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.

OAC rule 3745-17-11(B)(1)

Operations, Property,
and/or Equipment

Applicable Rules/Requirements

7.71 mmBtu portable diesel fired
electric generator OAC rule 3745-31-05 (A)(3)

OAC rule 3745-18-06(G)

OAC rule 3745-17-07 (A)(1)

3745-31-05(A)(3).

Applicable Emissions
Limitations/Control Measures

Particulate emissions (PE) shall not exceed 0.48 lb/hr, 0.48 tons PE/yr

Sulfur Dioxide emissions (SO2) shall not exceed 0.40 lb SO2/hr, 0.40 ton SO2/yr

Carbon Monoxide emissions (CO) shall not exceed 6.55 lbs CO/hr, 6.55 tons CO/yr

Organic Compound emissions (OC) shall not exceed 0.69 lb VOC/hr, 0.69 ton OC/yr

Nitrogen Oxide emissions (NOx) shall not exceed 24.7 lbs NOx/hr, 24.7 tons NOx/yr, as a rolling, 12-month summation.

See A.2.a

visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

particulate emissions shall not exceed 0.062 lb/mmBtu, See A.2.c.

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule

2. Additional Terms and Conditions

- 2.a** The permittee shall be required to burn only No. 2 diesel fuel containing less than 0.05% sulfur by weight.
- 2.b** The permittee shall notify the Ohio EPA, in writing, 15 days before relocating the emissions unit, P013, to The Bowling Green Water Treatment Plant or The Village of Haskins.
- 2.c** The emission limitation specified in this rule citation has been revised based upon a change in the applicable emission factor contained in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors. The revised rule was adopted by the Director of Ohio EPA in December, 1997. The USEPA has agreed to consider this revised rule as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of this limitation as a revision to the Ohio SIP for particulate matter."

B. Operational Restrictions

1. The maximum annual diesel fuel usage for emissions unit P013 shall not exceed 113,000 gallons per year based upon a rolling, 12-month summation of the diesel fuel usage figures, in gallons.

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

Month	Maximum Allowable Cumulative Diesel Fuel Usage (gallons/year)
1-1	20,000
1-2	40,000
1-3	60,000
1-4	65,890
1-5	71,780
1-6	77,670
1-7	83,560
1-8	89,450
1-9	95,340
1-10	101,230

1-11	107,120
1-12	113,000

After the first twelve calendar months of operation following the issuance of this permit, compliance with the annual gallon usage limitation shall be based upon a rolling, 12-month summation of the monthly gallon usage figures.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the following information for this emissions unit:
 - 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 all exceedances of the rolling, 12-month gallon limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative coating usage levels for all possible locations and corresponding 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. Compliance with the emission limitations in Section A.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - 1.a Emission Limitation:
0.48 lb PE/hr, 0.48 ton PE/yr

Applicable Compliance Method:

Emissions Unit ID: P013

Compliance with the emission limitation of 0.48 lb PE/hr shall be determined by multiplying the maximum mmBtu/hr (7.71) by the regulation allowable for large stationary diesel engines of 0.062 lb PE/mmBtu. Compliance with the emission limitation of 0.48 tons PE/yr shall be determined by multiplying the annual fuel limitation of 113,000 gal/yr by the heat content for diesel fuel, 0.1365 mmBtu/gal then by 0.062 lb/mmBtu and divided 2000lbs/ton.

If required, the permittee shall demonstrate compliance with the above hourly particulate emission limitation in accordance with the procedures and methods specified in OAC 3745-17-03(B)(10).

- 1.b Emission Limitation:
6.55 lbs CO/hr, 6.55 ton CO/yr

Applicable Compliance Method:

Compliance with the emission limitation of 6.55 lbs CO/hr shall be determined by multiplying the maximum mmBtu/hr (7.71) by the AP-42, Table 3.4-1 emission factor for large stationary diesel engines of 0.85 lb CO/mmBtu. Compliance with the emission limitation of 6.55 tons CO/yr shall be determined by multiplying the annual fuel limitation of 113,000 gal/yr by the heat content for diesel fuel, 0.1365 mmBtu/gal then by 0.85 lb/mmBtu and divided 2000lbs/ton.

If required, the permittee shall demonstrate compliance with the above hourly particulate emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A Method 10.

- 1.c Emission Limitation:
0.69 lb OC/hr, 0.69 ton OC/yr

Applicable Compliance Method:

Compliance with the emission limitation of 0.69 lb OC/hr shall be determined by multiplying the maximum mmBtu/hr (7.71) by the AP-42, Table 3.4-1 emission factor for large stationary diesel engines of 0.09 lb OC/mmBtu. Compliance with the emission limitation of 0.69 ton OC/yr shall be determined by multiplying the annual fuel limitation of 113,000 gal/yr by the heat content for diesel fuel, 0.1365 mmBtu/gal then by 0.09 lb/mmBtu and divided 2000lbs/ton.

If required, the permittee shall demonstrate compliance with the above hourly particulate emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A Method 25.

- 1.d Emission Limitation:
0.40 lb SO₂/hr, 0.40 ton SO₂/yr

Applicable Compliance Method:

Compliance with the emission limitation of 0.40 lb SO₂/hr shall be determined by multiplying the maximum mmBtu/hr (7.71) by the AP-42, Table 3.4-1 emission factor for large stationary diesel engines of 0.0505 lb SO₂/mmBtu. Compliance with the emission limitation of 0.40 ton SO₂/yr shall be determined by multiplying the annual fuel limitation of 113,000 gal/yr by the heat content for diesel fuel, 0.1365 mmBtu/gal then by 0.0505 lbs/mmBtu and divided 2000lbs/ton.

If required, the permittee shall demonstrate compliance with the above hourly particulate emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A Method 6.

- 1.e Emission Limitation:
24.7 lb NO_x/hr, 24.7 tons NO_x/yr as a rolling 12-month summation.

Applicable Compliance Method:

Compliance with the emission limitation of 24.7 lb NO_x/hr shall be determined by multiplying the maximum mmBtu/hr (7.71) by the AP-42, Table 3.4-1 emission factor for large stationary diesel engines of 3.2 lbs NO_x/mmBtu. Compliance with the emission limitation of 24.7 tons NO_x/yr shall be determined by multiplying the annual fuel limitation of 113,000 gal/yr by the heat content for diesel fuel, 0.1365 mmBtu/gal then by 3.2 lbs/mmBtu and divided 2000lbs/ton.

If required, the permittee shall demonstrate compliance with the above hourly particulate emission limitation in accordance with the procedures specified in 40 CFR Part 60, Appendix A Method 10.

- 1.f Emission Limitation:
20 percent opacity, as a six-minute average, except as otherwise provided by rule

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the above particulate emissions limitations in accordance with the procedures and methods specified in OAC rule 3745-17-03(B)(1).

AMP Ohio Mobile Peaking Station

PTI Application: 01-09176

Issued

Facility ID: 0125042435

Emissions Unit ID: **P013**

- 1.g Emission Limitation:
0.062 lb PE/mmBtu

Applicable Compliance Method:

Compliance shall be based upon AP-42 emission factor for large diesel fired stationary engines, Table 3.4-2.

F. Miscellaneous Requirements

None

NEW SOURCE REVIEW FORM B

PTI Number: 01-08176 Facility ID: 0125042435

FACILITY NAME AMP Ohio Mobile Peaking Station

FACILITY DESCRIPTION Diesel engine and diesel fired electric generator unit. CITY/TWP Columbus

SIC CODE 4911 SCC CODE _____ EMISSIONS UNIT ID P013

EMISSIONS UNIT DESCRIPTION 7.71 mmBtu portable diesel fired electric generator

DATE INSTALLED 6/1/00

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	0.48	0.48	0.48	0.48
PM ₁₀					
Sulfur Dioxide	attainment	0.40	0.40	0.40	0.40
Organic Compounds	attainment	0.69	0.69	0.69	0.69
Nitrogen Oxides	attainment	24.7	24.7	24.7	24.7
Carbon Monoxide	attainment	6.55	6.55	6.55	6.55
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination

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 NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 01-08176 Facility ID: 0125042435

FACILITY NAME AMP Ohio Mobile Peaking Station

FACILITY DESCRIPTION Diesel engine and diesel fired electric generator unit. CITY/TWP Columbus

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	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	<u>Hard Copy</u>	<u>None</u>
Calculations (required)	<input type="checkbox"/>	0000000c.wpd	<input checked="" type="checkbox"/>	
Modeling form/results	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PTI Application (complete or partial)*	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BAT Study	<input type="checkbox"/>	0000000b.wpd	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other/misc.	<input type="checkbox"/>	0000000t.wpd	<input checked="" type="checkbox"/>	<input type="checkbox"/>

* 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](#)

NONE

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
- B. Facility Emissions and Attainment Status
- C. Source Emissions
- D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

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

<u>Pollutant</u>	<u>Tons Per Year</u>
------------------	----------------------

NEW SOURCE REVIEW FORM B

PTI Number: 01-08176

Facility ID: 0125042435

FACILITY NAME AMP Ohio Mobile Peaking Station

FACILITY DESCRIPTION		CITY/TWP	
Diesel engine and diesel fired electric generator unit.		Columbus	

PE	0.48
OC	0.69
CO	6.55
NOx	24.7
SO2	0.40