



State of Ohio Environmental Protection Agency

Street Address:

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

**RE: FINAL PERMIT TO INSTALL MODIFICATION  
HAMILTON COUNTY  
Application No: 14-04973**

**CERTIFIED MAIL**

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

**DATE:** 7/12/2001

General Electric Energy Rentals Inc  
James Barbour  
955 Redna Terrace  
Cincinnati, OH 45215

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
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

HCDES



FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-04973

Application Number: 14-04973

APS Premise Number: 1431484071

Permit Fee: **\$800**

Name of Facility: General Electric Energy Rentals Inc

Person to Contact: James Barbour

Address: 955 Redna Terrace  
Cincinnati, OH 45215

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**955 Redna Terrace**  
**Cincinnati, Ohio**

Description of proposed emissions unit(s):  
**4 portable diesel fired generators.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

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

#### 2. Reporting Requirements Related to Monitoring and Record keeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping 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 record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

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

#### 4. Inspections and Information Requests

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

be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

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

**6. Permit Transfers**

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

**7. Air Pollution Nuisance**

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

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

**10. Public Disclosure**

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

**11. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate 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**

- 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.

#### 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 <sub>x</sub>	50.29
CO	2.34
SO <sub>2</sub>	5.46
PM/PM <sub>10</sub>	0.91
OC	0.84



- 2.c** Before leasing, relocating and operating any emissions unit identified in this permit:
- i. the permittee must first obtain a permit to install (PTI) [which is interpreted to be the permit to operate (PTO) for one year] per the requirements of OAC rules 3745-31-03(A)(1) and 3745-31-05(F);
  - ii. after the effective date of the PTI and thirty days or more before the lease, relocation and operation of the emissions unit, the permittee must send an initial letter (as identified in the Director's letter dated July 11, 2000) to the Director indicating its intent to temporarily relocate this emissions unit to sites throughout the state upon the request of lessees of the emissions unit; and
  - iii. the permittee shall notify the Ohio EPA District Office or local air agency with jurisdiction over the future temporary relocation site at least 72 hours before any non-emergency relocation of any emissions unit identified in this permit.

**B. Operational Restrictions**

1. The temporary relocation of the emissions unit to any one location may not exceed one year.
2. In accordance with 40 CFR 89.110, a permanent and legible label identifying the non-road engine must be affixed to each emissions unit. Each label must contain the following information:
  - a. The heading "Important Engine Information";
  - b. The full corporate name and trademark of the manufacturer;
  - c. EPA standardized engine family designation;
  - d. Engine displacement;
  - e. Advertised power; and
  - f. Engine tuneup specifications.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall maintain monthly records of the operating hours for each emissions unit identified in this permit.
2. The permittee shall maintain records of the dates and places in which each emissions unit identified in this permit is relocated.

**D. Reporting Requirements**

1. The permittee shall notify the Ohio EPA District Office or local air agency with jurisdiction over a relocation site at least 72 hours before any non-emergency relocation of an emissions unit

identified in this permit. Such notice shall consist of a written or facsimile communication which contains the following information:

- a. The expected dates of operation;
  - b. The name and address of the company operating the generator;
  - c. The name and phone number of the contact person for the company operating the generator;
  - d. A description of the generator being relocated, including engine family and model number;
  - e. The signature of the owner of the generator and their telephone number;
  - f. A copy of the pre-notification of intention to relocate letter required under section A.2.c.ii.; and
  - g. A copy of the certificate of conformity for the emissions unit as required by 40 CFR 89.105.
2. The permittee shall submit excursion (deviation) reports for any relocation of any emissions unit identified in this permit to any one location which is over the one year time limit.
  3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

#### **E. Testing Requirements**

1. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:

- a. Emission Limitation:  
0.040 lb PM-PM<sub>10</sub>/MMBtu actual heat input

**Applicable Compliance Method:**

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.12 gram PM-PM<sub>10</sub>/bhphr and by the conversion factor of 1 lb/453 grams and dividing by the maximum capacity of 1.0 MMBtu/hr.

- b. Emission Limitation:  
0.17 TPY PM-PM<sub>10</sub>

**Applicable Compliance Method:**

The 0.17 TPY PM-PM<sub>10</sub> limitation was developed by multiplying the maximum hourly emission rate of 0.040 lb/hr PM-PM<sub>10</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:  
2.98 lbs/hr NO<sub>x</sub>

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 9.01 gram NO<sub>x</sub>/bhphr and by the conversion factor of 1 lb/453 grams.

- d. Emission Limitation:  
13.07 TPY NO<sub>x</sub>

Applicable Compliance Method:

The 13.07 TPY NO<sub>x</sub> limitation was developed by multiplying the maximum hourly emission rate of 2.98 lbs/hr NO<sub>x</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- e. Emission Limitation:  
0.10 lb/hr CO

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.31 gram CO/bhphr and by the conversion factor of 1 lb/453 grams.

- f. Emission Limitation:  
0.45 TPY CO

Applicable Compliance Method:

The 0.45 TPY CO limitation was developed by multiplying the maximum hourly emission rate of 0.10 lb/hr CO by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- g. Emission Limitation:  
0.29 lb/hr SO<sub>2</sub>

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 1.0 MMBtu/hr by the emission factor of 0.29 lb SO<sub>2</sub>/MMBtu (AP-42 Table 3.3-1; 10/96).

- h. Emission Limitation:  
1.27 TPY SO<sub>2</sub>

Applicable Compliance Method:

The 1.27 TPY SO<sub>2</sub> limitation was developed by multiplying the maximum hourly emission rate of 0.29 lb/hr SO<sub>2</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- i. Emission Limitation:  
0.03 lb/hr OC

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.08 gram OC/bhphr and by the conversion factor of 1 lb/453 grams.

- j. Emission Limitation:  
0.12 TPY OC

Applicable Compliance Method:

The 0.12 TPY OC limitation was developed by multiplying the maximum hourly emission rate of 0.03 lb/hr OC by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

## F. Miscellaneous Requirements

### 1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i) and 3745-31-05(F) and (G), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit.
- b. The portable emissions unit is operating pursuant to a currently effective PTO (the PTI is interpreted to be the PTO for one year after issuance of the permit to install).
- c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation. (See term A.2.c.).
- d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code in accordance with the Director's letter dated July 11, 2000. It has been determined that any

site within the State of Ohio is acceptable for relocation of the emissions units (portable sources) identified in this permit. Such sources have small emissions, and will not cause a nuisance at any site within the State to which they might be relocated. The permittee has demonstrated that such sources are equipped with best available control technology, and has provided proper notice of its intent to relocate these sources.

2. This emissions unit is a non-road engine as defined in 40 CFR 89.2. Per OAC rule 3745-31-01(BB) and OAC rule 3745-31-01(RRR) this emissions unit is not a facility and/or stationary source since it is a non-road engine. Since it is not a facility and/or stationary source, this emissions unit is exempt from the Prevention of Significant Deterioration Regulations.



- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the emission limitations and the visible particulate emission limitation.
- 2.c** Before leasing, relocating and operating any emissions unit identified in this permit:
  - i. the permittee must first obtain a permit to install (PTI) [which is interpreted to be the permit to operate (PTO) for one year] per the requirements of OAC rules 3745-31-03(A)(1) and 3745-31-05(F);
  - ii. after the effective date of the PTI and thirty days or more before the lease, relocation and operation of the emissions unit, the permittee must send an initial letter (as identified in the Director's letter dated July 11, 2000) to the Director indicating its intent to temporarily relocate this emissions unit to sites throughout the state upon the request of lessees of the emissions unit; and
  - iii. the permittee shall notify the Ohio EPA District Office or local air agency with jurisdiction over the future temporary relocation site at least 72 hours before any non-emergency relocation of an emissions unit identified in this permit.

## **B. Operational Restrictions**

- 1.** The temporary relocation of the emissions unit to any one location may not exceed one year.
- 2.** In accordance with 40 CFR 89.110, a permanent and legible label identifying the non-road engine must be affixed to each emissions unit. Each label must contain the following information:
  - a. The heading "Important Engine Information";
  - b. The full corporate name and trademark of the manufacturer;
  - c. EPA standardized engine family designation;
  - d. Engine displacement;
  - e. Advertised power; and
  - f. Engine tuneup specifications.

## **C. Monitoring and/or Record keeping Requirements**

- 1.** The permittee shall maintain monthly records of the operating hours for each emissions unit identified in this permit.
- 2.** The permittee shall maintain records of the dates and places in which each emissions unit identified in this permit is relocated.

## **D. Reporting Requirements**

1. The permittee shall notify the Ohio EPA District Office or local air agency with jurisdiction over a relocation site at least 72 hours before any non-emergency relocation of an emissions unit identified in this permit. Such notice shall consist of a written or facsimile communication which contains the following information:
  - a. The expected dates of operation;
  - b. The name and address of the company operating the generator;
  - c. The name and phone number of the contact person for the company operating the generator;
  - d. A description of the generator being relocated, including engine family and model number;
  - e. The signature of the owner of the generator and their telephone number;
  - f. A copy of the pre-notification of intention to relocate letter required under section A.2.c.ii.; and
  - g. A copy of the certificate of conformity for the emissions unit as required by 40 CFR 89.105.
2. The permittee shall submit excursion (deviation) reports for any relocation of any emissions unit identified in this permit to any one location which is over the one year time limit.
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

**E. Testing Requirements**

1. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
0.040 lb PM-PM<sub>10</sub>/MMBtu actual heat input  
  
Applicable Compliance Method:  
Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.12 gram PM-PM<sub>10</sub>/bhphr and by the conversion factor of 1 lb/453 grams and dividing by the maximum capacity of 1.0 MMBtu/hr.
  - b. Emission Limitation:  
0.17 TPY PM-PM<sub>10</sub>

**Applicable Compliance Method:**

The 0.17 TPY PM-PM<sub>10</sub> limitation was developed by multiplying the maximum hourly emission rate of 0.040 lb/hr PM-PM<sub>10</sub> by the maximum operating schedule of 8760 hrs/yr,

and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:  
2.98 lbs/hr NO<sub>x</sub>

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 9.01 gram NO<sub>x</sub>/bhphr and by the conversion factor of 1 lb/453 grams.

- d. Emission Limitation:  
13.07 TPY NO<sub>x</sub>

Applicable Compliance Method:

The 13.07 TPY NO<sub>x</sub> limitation was developed by multiplying the maximum hourly emission rate of 2.98 lbs/hr NO<sub>x</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- e. Emission Limitation:  
0.10 lb/hr CO

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.31 gram CO/bhphr and by the conversion factor of 1 lb/453 grams.

- f. Emission Limitation:  
0.45 TPY CO

Applicable Compliance Method:

The 0.45 TPY CO limitation was developed by multiplying the maximum hourly emission rate of 0.10 lb/hr CO by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- g. Emission Limitation:  
0.29 lb/hr SO<sub>2</sub>

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 1.0 MMBtu/hr by the emission factor of 0.29 lb SO<sub>2</sub>/MMBtu (AP-42 Table 3.3-1; 10/96).

- h. Emission Limitation:  
1.27 TPY SO<sub>2</sub>

Applicable Compliance Method:

The 1.27 TPY SO<sub>2</sub> limitation was developed by multiplying the maximum hourly emission rate of 0.29 lb/hr SO<sub>2</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- i. Emission Limitation:  
0.03 lb/hr OC

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.08 gram OC/bhphr and by the conversion factor of 1 lb/453 grams.

- j. Emission Limitation:  
0.12 TPY OC

Applicable Compliance Method:

The 0.12 TPY OC limitation was developed by multiplying the maximum hourly emission rate of 0.03 lb/hr OC by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

## **F. Miscellaneous Requirements**

### **1. Notice to Relocate a Portable or Mobile Source**

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i) and 3745-31-05(F) and (G), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit.
- b. The portable emissions unit is operating pursuant to a currently effective PTO (the PTI is interpreted to be the PTO for one year after issuance of the permit to install).
- c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation. (See term A.2.c.)

- d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code in accordance with the Director's letter dated July 11, 2000. It has been determined that any site within the State of Ohio is acceptable for relocation of the emissions units (portable sources) identified in this permit. Such sources have small emissions, and will not cause a nuisance at any site within the State to which they might be relocated. The permittee has demonstrated that such sources are equipped with best available control technology, and has provided proper notice of its intent to relocate these sources.
2. This emissions unit is a non-road engine as defined in 40 CFR 89.2. Per OAC rule 3745-31-01(BB) and OAC rule 3745-31-01(RRR) this emissions unit is not a facility and/or stationary source since it is a non-road engine. Since it is not a facility and/or stationary source, this emissions unit is exempt from the Prevention of Significant Deterioration Regulations.



- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the emission limitations and the visible particulate emission limitation.
- 2.c** Before leasing, relocating and operating any emissions unit identified in this permit:
  - i. the permittee must first obtain a permit to install (PTI) [which is interpreted to be the permit to operate (PTO) for one year] per the requirements of OAC rules 3745-31-03(A)(1) and 3745-31-05(F);
  - ii. after the effective date of the PTI and thirty days or more before the lease, relocation and operation of the emissions unit, the permittee must send an initial letter (as identified in the Director's letter dated July 11, 2000) to the Director indicating its intent to temporarily relocate this emissions unit to sites throughout the state upon the request of lessees of the emissions unit; and
  - iii. the permittee shall notify the Ohio EPA District Office or local air agency with jurisdiction over the future temporary relocation site at least 72 hours before any non-emergency relocation of an emissions unit identified in this permit.

## **B. Operational Restrictions**

- 1.** The temporary relocation of the emissions unit to any one location may not exceed one year.
- 2.** In accordance with 40 CFR 89.110, a permanent and legible label identifying the non-road engine must be affixed to each emissions unit. Each label must contain the following information:
  - a. The heading "Important Engine Information";
  - b. The full corporate name and trademark of the manufacturer;
  - c. EPA standardized engine family designation;
  - d. Engine displacement;
  - e. Advertised power; and
  - f. Engine tuneup specifications.

## **C. Monitoring and/or Record keeping Requirements**

- 1.** The permittee shall maintain monthly records of the operating hours for each emissions unit identified in this permit.
- 2.** The permittee shall maintain records of the dates and places in which each emissions unit identified in this permit is relocated.

#### **D. Reporting Requirements**

1. The permittee shall notify the Ohio EPA District Office or local air agency with jurisdiction over a relocation site at least 72 hours before any non-emergency relocation of an emissions unit identified in this permit. Such notice shall consist of a written or facsimile communication which contains the following information:
  - a. The expected dates of operation;
  - b. The name and address of the company operating the generator;
  - c. The name and phone number of the contact person for the company operating the generator;
  - d. A description of the generator being relocated, including engine family and model number;
  - e. The signature of the owner of the generator and their telephone number;
  - f. A copy of the pre-notification of intention to relocate letter required under section A.2.c.ii.; and
  - g. A copy of the certificate of conformity for the emissions unit as required by 40 CFR 89.105.
2. The permittee shall submit excursion (deviation) reports for any relocation of any emissions unit identified in this permit to any one location which is over the one year time limit.
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

#### **E. Testing Requirements**

1. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
0.040 lb PM-PM<sub>10</sub>/MMBtu actual heat input  
  
Applicable Compliance Method:  
Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.12 gram PM-PM<sub>10</sub>/bhphr and by the conversion factor of 1 lb/453 grams and dividing by the maximum capacity of 1.0 MMBtu/hr.
  - b. Emission Limitation:  
0.17 TPY PM-PM<sub>10</sub>

**Applicable Compliance Method:**

The 0.17 TPY PM-PM<sub>10</sub> limitation was developed by multiplying the maximum hourly emission rate of 0.040 lb/hr PM-PM<sub>10</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. **Emission Limitation:**

2.98 lbs/hr NO<sub>x</sub>

**Applicable Compliance Method:**

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 9.01 gram NO<sub>x</sub>/bhphr and by the conversion factor of 1 lb/453 grams.

d. **Emission Limitation:**

13.07 TPY NO<sub>x</sub>

**Applicable Compliance Method:**

The 13.07 TPY NO<sub>x</sub> limitation was developed by multiplying the maximum hourly emission rate of 2.98 lbs/hr NO<sub>x</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

e. **Emission Limitation:**

0.10 lb/hr CO

**Applicable Compliance Method:**

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.31 gram CO/bhphr and by the conversion factor of 1 lb/453 grams.

f. **Emission Limitation:**

0.45 TPY CO

**Applicable Compliance Method:**

The 0.45 TPY CO limitation was developed by multiplying the maximum hourly emission rate of 0.10 lb/hr CO by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

g. **Emission Limitation:**

0.29 lb/hr SO<sub>2</sub>

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 1.0 MMBtu/hr by the emission factor of 0.29 lb SO<sub>2</sub>/MMBtu (AP-42 Table 3.3-1; 10/96).

- h. Emission Limitation:  
1.27 TPY SO<sub>2</sub>

Applicable Compliance Method:

The 1.27 TPY SO<sub>2</sub> limitation was developed by multiplying the maximum hourly emission rate of 0.29 lb/hr SO<sub>2</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- i. Emission Limitation:  
0.03 lb/hr OC

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 150 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.08 gram OC/bhphr and by the conversion factor of 1 lb/453 grams.

- j. Emission Limitation:  
0.12 TPY OC

Applicable Compliance Method:

The 0.12 TPY OC limitation was developed by multiplying the maximum hourly emission rate of 0.03 lb/hr OC by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

## **F. Miscellaneous Requirements**

### **1. Notice to Relocate a Portable or Mobile Source**

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i) and 3745-31-05(F) and (G), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit.
- b. The portable emissions unit is operating pursuant to a currently effective PTO (the PTI is interpreted to be the PTO for one year after issuance of the permit to install).

- c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation. (See term A.2.c.)
  - d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code in accordance with the Director's letter dated July 11, 2000. It has been determined that any site within the State of Ohio is acceptable for relocation of the emissions units (portable sources) identified in this permit. Such sources have small emissions, and will not cause a nuisance at any site within the State to which they might be relocated. The permittee has demonstrated that such sources are equipped with best available control technology, and has provided proper notice of its intent to relocate these sources.
2. This emissions unit is a non-road engine as defined in 40 CFR 89.2. Per OAC rule 3745-31-01(BB) and OAC rule 3745-31-01(RRR) this emissions unit is not a facility and/or stationary source since it is a non-road engine. Since it is not a facility and/or stationary source, this emissions unit is exempt from the Prevention of Significant Deterioration Regulations.



- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the emission limitations and the visible particulate emission limitation.
- 2.c** Before leasing, relocating and operating any emissions unit identified in this permit:
  - i. the permittee must first obtain a permit to install (PTI) [which is interpreted to be the permit to operate (PTO) for one year] per the requirements of OAC rules 3745-31-03(A)(1) and 3745-31-05(F);
  - ii. after the effective date of the PTI and thirty days or more before the lease, relocation and operation of the emissions unit, the permittee must send an initial letter (as identified in the Director's letter dated July 11, 2000) to the Director indicating its intent to temporarily relocate this emissions unit to sites throughout the state upon the request of lessees of the emissions unit; and
  - iii. the permittee shall notify the Ohio EPA District Office or local air agency with jurisdiction over the future temporary relocation site at least 72 hours before any non-emergency relocation of an emissions unit identified in this permit.

**B. Operational Restrictions**

- 1.** The temporary relocation of the emissions unit to any one location may not exceed one year.
- 2.** In accordance with 40 CFR 89.110, a permanent and legible label identifying the non-road engine must be affixed to each emissions unit. Each label must contain the following information:
  - a. The heading "Important Engine Information";
  - b. The full corporate name and trademark of the manufacturer;
  - c. EPA standardized engine family designation;
  - d. Engine displacement;
  - e. Advertised power; and
  - f. Engine tuneup specifications.

**C. Monitoring and/or Record keeping Requirements**

- 1.** The permittee shall maintain monthly records of the operating hours for each emissions unit identified in this permit.
- 2.** The permittee shall maintain records of the dates and places in which each emissions unit identified in this permit is relocated.

#### **D. Reporting Requirements**

1. The permittee shall notify the Ohio EPA District Office or local air agency with jurisdiction over a relocation site at least 72 hours before any non-emergency relocation of an emissions unit identified in this permit. Such notice shall consist of a written or facsimile communication which contains the following information:
  - a. The expected dates of operation;
  - b. The name and address of the company operating the generator;
  - c. The name and phone number of the contact person for the company operating the generator;
  - d. A description of the generator being relocated, including engine family and model number;
  - e. The signature of the owner of the generator and their telephone number;
  - f. A copy of the pre-notification of intention to relocate letter required under section A.2.c.ii.; and
  - g. A copy of the certificate of conformity for the emissions unit as required by 40 CFR 89.105.
2. The permittee shall submit excursion (deviation) reports for any relocation of any emissions unit identified in this permit to any one location which is over the one year time limit.
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

#### **E. Testing Requirements**

1. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
0.069 lb PM-PM<sub>10</sub>/MMBtu actual heat input  
  
Applicable Compliance Method:  
Compliance has been demonstrated by multiplying the maximum generator capacity of 217 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.19 gram PM-PM<sub>10</sub>/bhphr and by the conversion factor of 1 lb/453 grams and dividing by the maximum capacity of 1.3 MMBtu/hr.
  - b. Emission Limitation:  
0.40 TPY PM-PM<sub>10</sub>

Applicable Compliance Method:

The 0.40 TPY PM-PM<sub>10</sub> limitation was developed by multiplying the maximum hourly emission rate of 0.09 lb/hr PM-PM<sub>10</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:  
2.53 lbs/hr NO<sub>x</sub>

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 217 brake horse power per hour (bhphr) by the manufacturer's emission factor of 5.28 gram NO<sub>x</sub>/bhphr and by the conversion factor of 1 lb/453 grams.

- d. Emission Limitation:  
11.08 TPY NO<sub>x</sub>

Applicable Compliance Method:

The 11.08 TPY NO<sub>x</sub> limitation was developed by multiplying the maximum hourly emission rate of 2.53 lbs/hr NO<sub>x</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- e. Emission Limitation:  
0.23 lb/hr CO

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 217 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.47 gram CO/bhphr and by the conversion factor of 1 lb/453 grams.

- f. Emission Limitation:  
0.99 TPY CO

Applicable Compliance Method:

The 0.99 TPY CO limitation was developed by multiplying the maximum hourly emission rate of 0.23 lb/hr CO by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- g. Emission Limitation:  
0.38 lb/hr SO<sub>2</sub>

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 1.3 MMBtu/hr by the emission factor of 0.29 lb SO<sub>2</sub>/MMBtu (AP-42 Table 3.3-1; 10/96).

- h. Emission Limitation:  
1.65 TPY SO<sub>2</sub>

Applicable Compliance Method:

The 1.65 TPY SO<sub>2</sub> limitation was developed by multiplying the maximum hourly emission rate of 0.38 lb/hr SO<sub>2</sub> by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- i. Emission Limitation:  
0.11 lb/hr OC

Applicable Compliance Method:

Compliance has been demonstrated by multiplying the maximum generator capacity of 217 brake horse power per hour (bhphr) by the manufacturer's emission factor of 0.23 gram OC/bhphr and by the conversion factor of 1 lb/453 grams.

- j. Emission Limitation:  
0.48 TPY OC

Applicable Compliance Method:

The 0.48 TPY OC limitation was developed by multiplying the maximum hourly emission rate of 0.11 lb/hr OC by the maximum operating schedule of 8760 hrs/yr, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

## **F. Miscellaneous Requirements**

### **1. Notice to Relocate a Portable or Mobile Source**

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i) and 3745-31-05(F) and (G), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit.
- b. The portable emissions unit is operating pursuant to a currently effective PTO (the PTI is interpreted to be the PTO for one year after issuance of the permit to install).

- c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation. (See term A.2.c.)
  - d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code in accordance with the Director's letter dated July 11, 2000. It has been determined that any site within the State of Ohio is acceptable for relocation of the emissions units (portable sources) identified in this permit. Such sources have small emissions, and will not cause a nuisance at any site within the State to which they might be relocated. The permittee has demonstrated that such sources are equipped with best available control technology, and has provided proper notice of its intent to relocate these sources.
2. This emissions unit is a non-road engine as defined in 40 CFR 89.2. Per OAC rule 3745-31-01(BB) and OAC rule 3745-31-01(RRR) this emissions unit is not a facility and/or stationary source since it is a non-road engine. Since it is not a facility and/or stationary source, this emissions unit is exempt from the Prevention of Significant Deterioration Regulations.