



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL  
HAMILTON 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: 14-04973**

**DATE: 7/18/00**

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

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

HCDES



**Permit To Install**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**FINAL 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 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 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.

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 Issued: 7/18/00

Facility ID: 1431484071

#### 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>
NOx	50.29
CO	2.34
SO2	5.46
PM/PM10	0.91
OC	0.84

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - 150 hp (1 MMBtu/hr) Portable Diesel Fired Generator John Deere Model # 125SSJU	OAC rule 3745-31-05(A)(3)	0.040 lb PM-PM10/MMBtu actual heat input 0.17 TPY PM-PM10 2.98 lbs/hr and 13.07 TPY NOx 0.10 lb/hr and 0.45 TPY CO 0.29 lb/hr and 1.27 TPY SO2 0.03 lb/hr and 0.12 TPY OC  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(5)(a)	The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly and annual emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records are required to demonstrate compliance

with these limits.

- 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.

**B. Operational Restrictions**

None

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain monthly records of the operating hours for this emissions unit.

**D. Reporting Requirements**

None

**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-PM10/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-PM10/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-PM10

The 0.17 TPY PM-PM10 limitation was developed by multiplying the maximum hourly emission rate of 0.040 lb/hr PM-PM10 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.

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**PTI A**

**Issued: 7/18/00**

Emissions Unit ID: **P001**

- c. Emission Limitation:  
2.98 lbs/hr NOx

**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), 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 permit to operate (PTO).
- 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.

- 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 the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), 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 of OAC rule 3745-31-05(F) are met:

- e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status.
  - f. The portable emissions unit is equipped with best available technology.
  - g. The portable emission unit owner has identified the proposed site to Ohio EPA.
  - h. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact.
  - i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located.
  - j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site.
  - k. The portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

**General Electric Energy Rentals Inc**

**PTI Application: 14-04073**

**Issued**

**Facility ID: 1431484071**

**Emissions Unit ID: P001**

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
P002 - 150 hp (1 MMBtu/hr) Portable Diesel Fired Generator John Deere Model # 125SSJU	OAC rule 3745-31-05(A)(3)	0.040 lb PM-PM10/MMBtu actual heat input 0.17 TPY PM-PM10 2.98 lbs/hr and 13.07 TPY NOx 0.10 lb/hr and 0.45 TPY CO 0.29 lb/hr and 1.27 TPY SO2 0.03 lb/hr and 0.12 TPY OC
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-11(B)(5)(a)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
		The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a** The hourly and annual emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records are required to demonstrate compliance with these limits.
- 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.

**B. Operational Restrictions**

None

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain monthly records of the operating hours for this emissions unit.

**D. Reporting Requirements**

None

**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-PM10/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-PM10/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-PM10

The 0.17 TPY PM-PM10 limitation was developed by multiplying the maximum hourly emission rate of 0.040 lb/hr PM-PM10 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.

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Emissions Unit ID: P002

- 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), 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 permit to operate (PTO).
- 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.

- 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 the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), 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 of OAC rule 3745-31-05(F) are met:

- e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status.
  - f. The portable emissions unit is equipped with best available technology.
  - g. The portable emission unit owner has identified the proposed site to Ohio EPA.
  - h. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact.
  - i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located.
  - j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site.
  - k. The portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field

**General Electric Energy Rentals Inc**

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**Issued**

**Facility ID: 1431484071**

Emissions Unit ID: **P002**

office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
P003 - 150 hp (1 MMBtu/hr) Portable Diesel Fired Generator John Deere Model # 125SSJU	OAC rule 3745-31-05(A)(3)	0.040 lb PM-PM10/MMBtu actual heat input 0.17 TPY PM-PM10 2.98 lbs/hr and 13.07 TPY NOx 0.10 lb/hr and 0.45 TPY CO 0.29 lb/hr and 1.27 TPY SO2 0.03 lb/hr and 0.12 TPY OC
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-11(B)(5)(a)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
		The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a** The hourly and annual emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records are required to demonstrate compliance with these limits.
- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the emission limitations and visible particulate emission limitation.

**B. Operational Restrictions**

None

**C. Monitoring and/or Recordkeeping Requirements**

- 1. The permittee shall maintain monthly records of the operating hours for this emissions unit.

**D. Reporting Requirements**

None

**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-PM10/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-PM10/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-PM10

The 0.17 TPY PM-PM10 limitation was developed by multiplying the maximum hourly emission rate of 0.040 lb/hr PM-PM10 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 NOx

Emissions Unit ID: P003

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 NOx/bhphr and by the conversion factor of 1 lb/453 grams.

- d. Emission Limitation:  
13.07 TPY NOx

Applicable Compliance Method:

The 13.07 TPY NOx limitation was developed by multiplying the maximum hourly emission rate of 2.98 lbs/hr NOx 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 SO2

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 SO2/MMBtu (AP-42 Table 3.3-1; 10/96).

- h. Emission Limitation:  
1.27 TPY SO2

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), 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 permit to operate (PTO).
- 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.

- 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 the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), 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 of OAC rule 3745-31-05(F) are met:

- e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status.
  - f. The portable emissions unit is equipped with best available technology.
  - g. The portable emission unit owner has identified the proposed site to Ohio EPA.
  - h. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact.
  - i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located.
  - j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site.
  - k. The portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

**General Electric Energy Rentals Inc**

**PTI Application: 14-04073**

**Issued**

**Facility ID: 1431484071**

Emissions Unit ID: **P003**

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
P004 - 217 hp (1.3 MMBtu/hr) Portable Diesel Fired Generator Komatsu Model # 180SSK	OAC rule 3745-31-05(A)(3)	0.069 lb PM-PM10/MMBtu actual heat input 0.40 TPY PM-PM10 2.53 lbs/hr and 11.08 TPY NOx 0.23 lb/hr and 0.99 TPY CO 0.38 lb/hr and 1.65 TPY SO2 0.11 lb/hr and 0.48 TPY OC
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).  Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(5)(a)	The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a** The hourly and annual emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records are required to demonstrate compliance with these limits.
- 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.

**B. Operational Restrictions**

None

**C. Monitoring and/or Recordkeeping Requirements**

- 1. The permittee shall maintain monthly records of the operating hours for this emissions unit.

**D. Reporting Requirements**

None

**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-PM10/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-PM10/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-PM10

**General Electric Energy Rentals Inc**

**PTI Application: 14-04073**

**Issued**

**Facility ID: 1431484071**

Emissions Unit ID: **P004**

The 0.40 TPY PM-PM10 limitation was developed by multiplying the maximum hourly emission rate of 0.09 lb/hr PM-PM10 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 NOx

**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 NOx/bhphr and by the conversion factor of 1 lb/453 grams.

- d. Emission Limitation:  
11.08 TPY NOx

**Applicable Compliance Method:**

The 11.08 TPY NOx limitation was developed by multiplying the maximum hourly emission rate of 2.53 lbs/hr NOx 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 SO2

**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 SO2/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), 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 permit to operate (PTO).

- 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.
- 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 the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), 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 of OAC rule 3745-31-05(F) are met:

- e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status.
  - f. The portable emissions unit is equipped with best available technology.
  - g. The portable emission unit owner has identified the proposed site to Ohio EPA.
  - h. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact.
  - i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located.
  - j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site.
  - k. The portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.
2. Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219)

**General Electric Energy Rentals Inc**

**PTI Application: 14-04073**

**Issued**

**Facility ID: 1431484071**

Emissions Unit ID: **P004**

and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04973 Facility ID: 1431484071

FACILITY NAME General Electric Energy Rentals Inc

FACILITY DESCRIPTION 4 nortable diesel fired generators. CITY/TWP Cincinnati

Emissions Unit ID: P004

SIC CODE 7359 SCC CODE 2-02-001-02 EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION 150 hp (1 MMBtu/hr) Portable Diesel Fired Generator

DATE INSTALLED 7/28/00

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	0.04 lb/MMBtu	0.08	0.04 lb/MMBtu	0.17
PM <sub>10</sub>	Attainment	0.04 lb/MMBtu	0.08	0.04 lb/MMBtu	0.17
Sulfur Dioxide	Attainment	0.29 lb/hr	0.58	0.29 lb/hr	1.27
Organic Compounds	Attainment	0.03 lb/hr	0.05	0.03 lb/hr	0.12
Nitrogen Oxides	Attainment	2.98 lbs/hr	5.97	2.98 lbs/hr	13.07
Carbon Monoxide	Attainment	0.10 lb/hr	0.21	0.10 lb/hr	0.45
Lead	Attainment				
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? No NESHAP? No PSD? No OFFSET POLICY? No

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

BAT has been determined to be compliance with all applicable regulations and the emission limitations.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

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

**TOXIC AIR CONTAMINANTS**

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

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

**NEW SOURCE REVIEW FORM B**

PTI Number: 14-04973 Facility ID: 1431484071

FACILITY NAME General Electric Energy Rentals Inc

FACILITY DESCRIPTION 4 nortable diesel fired generators. CITY/TWP Cincinnati

Emissions Unit ID: P004

SIC CODE 7359 SCC CODE 2-02-001-02 EMISSIONS UNIT ID P002

EMISSIONS UNIT DESCRIPTION 150 hp (1 MMBtu/hr) Portable Diesel Fired Generator

DATE INSTALLED 7/28/00

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	0.04 lb/MMBtu	0.08	0.04 lb/MMBtu	0.17
PM <sub>10</sub>	Attainment	0.04 lb/MMBtu	0.08	0.04 lb/MMBtu	0.17
Sulfur Dioxide	Attainment	0.29 lb/hr	0.58	0.29 lb/hr	1.27
Organic Compounds	Attainment	0.03 lb/hr	0.05	0.03 lb/hr	0.12
Nitrogen Oxides	Attainment	2.98 lbs/hr	5.97	2.98 lbs/hr	13.07
Carbon Monoxide	Attainment	0.10 lb/hr	0.21	0.10 lb/hr	0.45
Lead	Attainment				
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? No NESHAP? No PSD? No OFFSET POLICY? No

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

BAT has been determined to be compliance with all applicable regulations and the emission limitations.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

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

**TOXIC AIR CONTAMINANTS**

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

AIR TOXICS MODELING PERFORMED\*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:





39 **NEW SOURCE REVIEW FORM B**

PTI Number: 14-04973

Facility ID: 1431484071

FACILITY NAME General Electric Energy Rentals Inc

FACILITY DESCRIPTION 4 nortable diesel fired generators.

CITY/TWP Cincinnati

Emissions Unit ID: P004

BAT Study	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	X
Other/misc.	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	X

\* 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

PTI 14-04973

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

Facility ID: 1431484071

This PTI is for 4 portable diesel-fired generators. General Electric Energy Rentals Inc. will use these generators for customer sites throughout the state. For example, the first site will be for a festival in downtown Cincinnati. All four generators are small in size. The first three, emissions units P001 - P003, each have a capacity of 1.0 MMBtu/hr (150 brake horse power hours). The last generator, emissions unit P004, is rated at 1.3 MMBtu/hr (217 brake horse power hours).

The applicable rules are OAC rules 3745-31-05(A)(3), 3745-17-07(A)(1) and 3745-17-11(B)(5)(a). The facility has provided emission factors from the manufacturer for PM, NOx, CO and OC emissions. Since no SO2 emission factors were specified by the manufacturers, AP-42 Table 3.3-1 emission factors were used to determine SO2 emissions. Both the hourly and annual emissions limitations are based on the potential to emit for each generator. Monthly records of the hours of operation will be required in order to help the facility in determining actual annual emissions for fee purposes. The potential emissions from all four generators combined are: 50.29 TPY NOx, 2.34 TPY CO, 5.46 TPY SO2, 0.91 TPY PM-PM10 and 0.84 TPY OC. At these rates, air modeling is not required, and no federally enforceable limits are needed.

BAT has been determined to be compliance with all applicable regulations and emission limitations. A final PTI should be issued for these emissions units.

Permit Fee: P001: PWR 0-1000 lbs/hr = \$200  
P002: PWR 0-1000 lbs/hr = \$200  
P003: PWR 0-1000 lbs/hr = \$200  
P004: PWR 0-1000 lbs/hr = \$200

40 **NEW SOURCE REVIEW FORM B**

PTI Number: 14-04973

Facility ID: 1431484071

FACILITY NAME General Electric Energy Rentals Inc

FACILITY DESCRIPTION 4 nortable diesel fired generators.

CITY/TWP Cincinnati

Emissions Unit ID: P004

**Total = \$800**

Prepared by : Kari Ball

Date: June 29, 2000

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>
NOx	50.29
CO	2.34
SO2	5.46
PM/PM10	0.91
OC	0.84

**4 NEW SOURCE REVIEW FORM B**

PTI Number: 14-04973

Facility ID: 1431484071

FACILITY NAME General Electric Energy Rentals Inc

FACILITY DESCRIPTION 4 nortable diesel fired generators.

CITY/TWP Cincinnati

Emissions Unit ID: **P001**