



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL
CUYAHOGA 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: 13-03801

DATE: 2/20/2001

Ohio Engine Power
Daniel Bonnes
900 Ken Mar Industrial Parkway
Broadview Heights, OH 44147

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

CBAPC



Permit To Install

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

FINAL PERMIT TO INSTALL 13-03801

Application Number: 13-03801
APS Premise Number: 1318178288
Permit Fee: **\$15000**
Name of Facility: Ohio Engine Power
Person to Contact: Daniel Bonnes
Address: 900 Ken Mar Industrial Parkway
Broadview Heights, OH 44147

Location of proposed air contaminant source(s) [emissions unit(s)]:
900 Ken Mar Industrial Parkway
Broadview Heights, Ohio

Description of proposed emissions unit(s):
Portable Peak Power Generating Units - P001-P075.

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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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>
PM/PM10	308.8
SO2	2,279.8
OC	496.0
NOx	16,917.7
CO	3,728.4

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>
X001 - 75 emission units, P001 through P075 Caterpillar 3516 portable diesel fired generators	OAC rule 3745-31-05(A)(3)	See Table in Section F.2.
	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)(b)	Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
		The emission limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a These emissions units are considered as non-road engines, exempting them from applicability to PSD and Title V permitting rules. These emissions units are regulated under 40 CFR Part 89 Subpart A.
- 2.b 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.

Emissions Unit ID: X001

- 2.c** 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.d** Before leasing, relocating and operating an emissions unit identified in this permit:
- i. the permittee must first obtain a permit to operate per the requirements of OAC rules 3745-31-03(A)(1)(p), approval of a portable source for relocation, and 3745-31-05(F), approval of the relocation site before relocation of the site; and
 - ii. after the effective date of the permit to operate and thirty days or more before the lease, relocation, and operation of the emission unit, the permittee must send a letter to the Director indicating its intent to temporarily relocate this emissions unit to sites throughout the state as needed by the lessee of the emissions unit.

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 must be affixed to each emissions unit. Each label must contain the following information:
 - i. the heading "Important Engine Information";
 - ii. the full corporate name and trademark of the manufacturer;
 - iii. EPA standardized engine family designation;
 - iv. engine displacement;
 - v. advertised power; and
 - vi. engine tuneup specifications.

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. 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. 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, model number PTI number and emissions unit identification 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.
 - 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 an emissions unit listed in this permit to any one location that exceeds the one year time limit.

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 emission factors from AP-42 Table 3.4-1(10/96).

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to 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 Cleveland Bureau of Air Pollution and the appropriate field office having

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jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation. (See term A.2.c.)

- d. In the Cleveland Bureau of Air Pollution and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code. It has been determined and permission given through a Director's permission to relocate letter that any site within the State of Ohio is acceptable for relocation of the emissions units (portable sources) identified in this permit as long as the requirements in the Director's letter granting permission to relocate have been met. 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. The emissions units identified in this permit are non-road engines as defined in 40 CFR 89.2. Per OAC rule 3745-31-01(BB) and OAC rule 3745-31-01(RRR) these emissions units are not a facility and/or stationary source since they are non-road engines. Since they are not a facility and/or stationary source, these emissions units are exempt from the Prevention of Significant Deterioration Regulations.
 3. The permittee shall update the following table on an annual basis and shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any additions or withdrawals of these generators. If a new generator is to be installed, the permittee must submit a completed Permit to Install application to the Director (the appropriate Ohio EPA District Office or local air agency) for issuance before installation of the new generator can begin. This table shall be updated by January 31 of each year.

Ohio EPA Source #	Unit Description	Model	lbs/hr NOx	TPY NOx	lbs/hr CO	TPY CO	lbs/hr SO2	TPY SO2	lb/hr PM/PM10	TPY PM/PM10	lbs/hr OC	TPY OC
P001	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P002	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

P003	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P004	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P005	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P006	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P007	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P008	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P009	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P010	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

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P011	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P012	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P013	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P014	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P015	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P016	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P017	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P018	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P019	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

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P020	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P021	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P022	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P023	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P024	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P025	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P026	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P027	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

P028	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P029	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P030	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P031	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P032	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P033	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P034	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P035	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

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P036	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P037	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P038	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P039	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P040	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P041	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P042	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P043	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P044	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

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P045	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P046	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P047	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P048	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P049	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P050	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P051	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P052	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

Ohio I**PTI A****Issued: 2/20/2001**Emissions Unit ID: **X001**

P053	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P054	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P055	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P056	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P057	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P058	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P059	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P060	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

Ohio Engine Power
PTI Application: 12 02001
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Facility ID: 1318178288

Emissions Unit ID: X001

P061	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P062	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P063	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P064	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P065	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P066	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P067	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P068	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P069	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

Ohio I**PTI A****Issued: 2/20/2001**Emissions Unit ID: **X001**

P070	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P071	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P072	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P073	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P074	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61
P075	2288 bhp (1600 KW) Portable Diesel Fired Generator	XQ1750/2 000	51.5	226	11.4	49.7	6.94	30.4	0.94	4.12	1.51	6.61

NEW SOURCE REVIEW FORM B

PTI Number: 13-03801 Facility ID: 1318178288

FACILITY NAME Ohio Engine Power

FACILITY DESCRIPTION Portable Peak Power Generating Units - P001-P075. CITY/TWP Broadview Heights

SIC CODE 5082 SCC CODE 2-02-004-01 EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION 75 emission units, P001 through P075 Caterpillar 3516 Portable Diesel fired generators 1600 KW

DATE INSTALLED n/a

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	0.94 lb/hr for each unit	17.6 for all units based on 500 hrs/yr	0.94 lb/hr for each unit	308.8 for all units based on 8760 hrs/yr
PM ₁₀					
Sulfur Dioxide	Attainment	6.94 lb/hr for each unit	130.1 for all units based on 500 hrs/yr	6.94 lb/hr for each unit	2279.8 for all units based on 8760 hrs/yr
Organic Compounds	Attainment	1.51 lb/hr for each unit	28.3 for all units based on 500 hrs/yr	1.51 lb/hr for each unit	496.0 for all units based on 8760 hrs/yr
Nitrogen Oxides	Attainment	51.5 lb/hr for each unit	965.6 for all units based on 500 hrs/yr	51.5 lb/hr for each unit	16917.7 for all units based on 8760 hrs/yr
Carbon Monoxide	Attainment	11.4 lb/hr for each unit	212.8 for all units based on 500 hrs/yr	11.4 lb/hr for each unit	3728.4 for all units based on 8760 hrs/yr
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

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

Compliance with the terms and conditions in this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

TOXIC AIR CONTAMINANTS

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

AIR TOXICS MODELING PERFORMED*?

YES

x

NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 13-03801 Facility ID: 1318178288

FACILITY NAME Ohio Engine Power

FACILITY DESCRIPTION	Portable Peak Power Generating Units - P001-P075.	CITY/TWP	Broadview Heights
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NEW SOURCE REVIEW FORM B

PTI Number: 13-03801 Facility ID: 1318178288

FACILITY NAME Ohio Engine Power

FACILITY DESCRIPTION Portable Peak Power Generating Units - P001-P075. CITY/TWP Broadview Heights

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

Please fill out the following. If the checkbox does not work, replace it with an 'X'

	<u>Electronic</u>	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	<u>Hard Copy</u>	<u>None</u>
<u>Calculations (required)</u>	<input checked="" type="checkbox"/>	1303801c.wpd	<input type="checkbox"/>	
<u>Modeling form/results</u>	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input type="checkbox"/>
<u>PTI Application (complete or partial)*</u>	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input type="checkbox"/>
<u>BAT Study</u>	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input type="checkbox"/>
<u>Other/misc.</u>	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input type="checkbox"/>

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

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

NSR Discussion

This PTI is for 75 portable diesel-fired generators. Ohio Engine Power Inc. will use these generators for customer sites throughout the state. All 75 generators are Caterpillar models with a rating of 1600 KW Model #XQ1750/2000.

The applicable rules are OAC rules 3745-31-05(A)(3), 3745-17-07(A)(1) and 3745-17-11(B)(5)(b). Emission factors from AP-42 Table 3.4-1 emission factors were used to determine 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 75 generators combined are: 16,917.7 TPY NOx, 3,728.4 TPY CO, 2,279.8 TPY SO2, 308.8 TPY PM-PM10 and 496.0 TPY OC. Air modeling is not required.

BAT has been determined to be compliance with the emission limitations and visible particulate emissions limitation. A final PTI should be issued for these emissions units.

Permit Fee: P001: PWR 0-1000 lbs/hr = \$200 x 75 units = **\$15,000**

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

NEW SOURCE REVIEW FORM B

PTI Number: 13-03801 Facility ID: 1318178288

FACILITY NAME Ohio Engine Power

FACILITY DESCRIPTION	Portable Peak Power Generating Units - P001-P075.	CITY/TWP	Broadview Heights
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- 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>
PM/PM10	308.8
SO2	2,279.8
OC	496.0
NOx	16,917.7
CO	3,728.4