



State of Ohio Environmental Protection Agency

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5/18/2009

DAN CRAGO
VALLEY ASPHALT - GERMANTOWN
11641 MOSTELLER ROAD
CINCINNATI, OH 45241

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1431984154
Permit Number: P0100405
Permit Type: Renewal
County: Hamilton

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Hamilton County Dept. of Environmental Services. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern
Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: HCDOES

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
VALLEY ASPHALT - GERMANTOWN**

Facility ID: 1431984154
Permit Number: P0100405
Permit Type: Renewal
Issued: 5/18/2009
Effective: 5/18/2009
Expiration: 5/18/2014



Air Pollution Permit-to-Install and Operate
for
VALLEY ASPHALT - GERMANTOWN

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Division of Air Pollution Control

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Permit Number: P0100405
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Authorization

Facility ID: 1431984154
Application Number(s): A0032136
Permit Number: P0100405
Permit Description: Renewal FEPTIO for one portable 820 kw generator and one portable 261 kw generator first permitted under PTI 04-01202 issued 5/24/00 out of the Toledo office.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 5/18/2009
Effective Date: 5/18/2009
Expiration Date: 5/18/2014
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

VALLEY ASPHALT - GERMANTOWN
9661 SUGAR ST
GERMANTOWN, OH 45327

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660
(513)946-7777

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: P0100405
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Effective Date: 5/18/2009

Authorization (continued)

Permit Number: P0100405
Permit Description: Renewal FEPTIO for one portable 820 kw generator and one portable 261 kw generator first permitted under PTI 04-01202 issued 5/24/00 out of the Toledo office.

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

Emissions Unit ID:	B004
Company Equipment ID:	Portable Generator
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	B005
Company Equipment ID:	Portable Generator
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0100405

Facility ID: 1431984154

Effective Date: 5/18/2009

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.



If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Hamilton County Dept. of Environmental Services in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

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change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

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Effective Date: 5/18/2009

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0100405

Facility ID: 1431984154

Effective Date: 5/18/2009

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

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Facility ID: 1431984154

Effective Date: 5/18/2009

C. Emissions Unit Terms and Conditions



1. B004, Portable Generator

Operations, Property and/or Equipment Description:

820 kw generator

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. b)(1)b., c)(4), c)(5), d)(4), d)(5) and e)(2).
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Carbon Monoxide (CO) emissions shall not exceed 6.05 pounds per hour. Nitrogen Oxide (NOx) emissions shall not exceed 14.29 pounds per hour. Sulfur Dioxide (SO2) emissions shall not exceed 4.4 pound per hour. Volatile Organic Compound (VOC) emissions shall not exceed 0.70 pound per hour. The requirements of this rule also include compliance with the requirements if OAC rules 3745-31-05(D), 3745-17-07(A)(1) and 3745-17-11(B)(5). See c)(1), c)(2) and c)(3).
b.	OAC rule 3745-31-05(D)	Carbon Monoxide (CO) emissions shall not exceed 10.29 TPY based on a rolling,



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		12-month summation. Nitrogen Oxide (NOx) emissions shall not exceed 24.3 TPY based on a rolling, 12-month summation. Particulate emissions (PE) shall not exceed 0.82 TPY based on a rolling, 12-month summation. Sulfur Dioxide (SO2) emissions shall not exceed 7.4 TPY based on a rolling, 12-month summation. Volatile Organic Compound (VOC) emissions shall not exceed 1.2 TPY based on a rolling, 12-month summation. See c)(4) and c)(5).
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule.
d.	OAC rule 3745-17-11(B)(5)	Particulate emissions (PE) shall not exceed 0.062 pound of particulate emissions per mmBtu of heat input.
e.	OAC rule 3745-18-06(B)	See b)(2)a.
f.	OAC rule 3745-21-08 (B)	See b)(2)b.

(2) Additional Terms and Conditions

- a. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 because it has a rated heat input capacity less than 10 million BTU per hour total rated capacity.
- b. The permittee shall satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology (BAT) requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install. The design of the emissions unit and the technology associated with the current operating practices satisfy the BAT requirements.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.



c) Operational Restrictions

- (1) The permittee shall employ only diesel fuel with a maximum heat content of 0.5 percent by weight for combustion in this emissions unit.
- (2) The permittee shall maintain and operate a positive crankcase ventilation system at all times when the emissions unit is in operation.
- (3) Engine ignition shall be retarded at least 4 degrees from peak power settings at all times when the emissions unit is in operation.
- (4) The maximum annual operating hours for this emissions unit shall not exceed 3,400 hours, based upon a rolling 12-month summation of the operating hours.
- (5) When this portable emissions unit is operated at a facility with other NO_x emissions sources, the combined emissions of NO_x from all emissions units located at that facility shall not exceed 99 tons, as a rolling, 12-month summation.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than diesel fuel with a maximum sulfur content of 0.5 percent by weight, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.
- (2) The permittee shall maintain daily records that document any time periods when the positive crankcase ventilation system was not in service when the emissions unit was in operation.
- (3) The permittee shall maintain daily records that document any time periods when the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.
- (4) The permittee shall maintain monthly records of the following information:
 - a. The operating hours for each month.
 - b. The rolling, 12-month summation of the operating hours.
- (5) When this portable emissions unit is operated at a facility with other NO_x emissions sources, the permittee shall keep monthly records that document the calculated combined NO_x emissions from all emissions units located at that facility as a rolling, 12-month summation.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:



- a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the Potential to Emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - i. Any deviation (excursion) of the rolling, 12-month emission limitations outlined in b)(1)b.
 - ii. Any deviation (excursion) of the rolling, 12-month operating hours limitation outlined in c)(4).
 - iii. Any deviation (excursion) of the recordkeeping requirements outlined in d)(4).
- b. the probable cause of each deviation (excursion);
- c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

f) Testing Requirements

(1) Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

(2) Emission Limitations:

Carbon Monoxide (CO) emissions shall not exceed 6.05 pounds per hour.

Carbon Monoxide (CO) emissions shall not exceed 10.29 TPY based on a rolling, 12-month summation.



Applicable Compliance Method:

The hourly emission limitation was calculated using the following equation and the emission factor for CO from AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (revised 10/96):

$$1099.62 \text{ bhp} \times 0.0055 \text{ lb of CO/bhp-hr} = 6.05 \text{ pounds of CO per hour.}$$

The annual emission limitation was calculated by multiplying the hourly limitation by 3400 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-4 and 10 of 40 CFR Part 60, Appendix A shall be employed.

(3) Emission Limitations:

Nitrogen Oxide (NOx) emissions shall not exceed 14.29 pounds per hour.

Nitrogen Oxide (NOx) emissions shall not exceed 24.3 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

The hourly emission limitation was calculated using the following equation and the emission factor for NOx from AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (revised 10/96);

$$1099.62 \text{ bhp} \times 0.013 \text{ lb of NOx/bhp-hr} = 14.29 \text{ pounds of NOx per hour.}$$

The annual emission limitation was calculated by multiplying the hourly limitation by 3400 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-4 and 7 of 40 CFR Part 60, Appendix A shall be employed.

(4) Emission Limitations:

Sulfur Dioxide (SO2) emissions shall not exceed 4.4 pound per hour.

Sulfur Dioxide (SO2) emissions shall not exceed 7.48 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

The hourly emission limitation was calculated using the following equation and the emission factor for CO from AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (revised 10/96):

$$1099.62 \text{ bhp} \times 0.00809S \text{ lb of SO2/bhp-hr} = 4.4 \text{ pounds of SO2 per hour.}$$

Where S = 0.5



The annual emission limitation was calculated by multiplying the hourly limitation by 3400 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-4 and 6 of 40 CFR Part 60, Appendix A shall be employed.

(5) Emission Limitations:

Volatile Organic Compound (VOC) emissions shall not exceed 0.70 pound per hour.

Volatile Organic Compound (VOC) emissions shall not exceed 1.2 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

The hourly emission limitation was calculated using the following equation and the emission factor for nonmethane TOC from AP-42, Fifth Edition, Section 3.4, Table 3.4-1 (revised 10/96):

$$1099.62 \text{ bhp} \times 0.00064 \text{ lb of VOC/bhp-hr} = 0.70 \text{ pound of VOC per hour.}$$

The annual emission limitation was calculated by multiplying the hourly limitation by 3400 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-4 and 25 of 40 CFR Part 60, Appendix A shall be employed.

(6) Emission Limitations:

Particulate Emissions (PE) shall not exceed 0.062 pound of PE per mmBtu of actual heat input.

Applicable Compliance Method:

The pound per mmBtu emission limitation is based upon OAC rule 3745-17-11(B)(5) and is the emission factor for total filterable particulate from AP-42, Fifth Edition, Section 3.4, Table 3.4-2 (revised 10/96).

The annual emission limitation was calculated by converting the 0.062 lb/mmBtu emission factor to lb/hp-hr and then multiplying the hourly limitation by 3400 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-5 of 40 CFR Part 60, Appendix A shall be employed.

g) Miscellaneous Requirements

- (1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met. The Director may issue a "Notice of Site Approval" through either of the following scenarios:



- a. Where future locations of the proposed portable source are unknown, the approval to relocate the portable source shall be acquired in accordance the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - i. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - ii. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - iii. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - iv. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and
 - v. the Director has issued a Notice of Site Approval, stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director's Notice of Site Approval for the site; **or**

- b. As the alternative for any pre-disclosed location, the Director may issue a Notice of Site Approval if the portable source meets the requirements of OAC rule 3745-31-05(H), as follows:
 - i. the portable source is operating pursuant to a currently effective permit-to-install (PTI), permit-to-install and operate (PTIO), or has been approved for registration status and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
 - ii. the portable source has been issued a PTIO or PTI and the permittee continues to comply with the requirements of the permit, including any applicable best available technology (BAT) determination;
 - iii. the portable source owner has identified and submitted the proposed site to the Ohio EPA;
 - iv. the permitting District Office/local air agency and the District Office/local air agency having jurisdiction over the new site (if different) have determined that the portable source will have an acceptable environmental impact at the proposed site;



- v. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site is located;
- vi. the owner of the proposed site (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site; and
- vii. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

The portable source can be relocated upon receipt of the Director=s Notice of Site Approval for the site. Any site approval issued by the Ohio EPA, pursuant to OAC rule 3745-31-05(H), is subject to expiration and renewal. Pursuant to OAC rule 3745-31-07(C)(3), any site approval for a portable source shall be issued for a period of time determined to be appropriate by the Director and the renewal will be reevaluated and subject to the same requirements above.

[OAC rule 3745-31-03(A)(1)(p)(i)] or [OAC rule 3745-31-03(A)(1)(p)(ii)], [OAC rule 3745-31-05(H)], [OAC rule 3745-31-07(C)(3)], and [ORC 3704.03(G)]

- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO or PTI (as applicable) for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.



2. B005, Portable Generator

Operations, Property and/or Equipment Description:

261 kw generator

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. b)(1)b., c)(2), c)(3), d)(2), d)(3) and e)(2).
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Carbon Monoxide (CO) emissions shall not exceed 2.3 pounds per hour. Nitrogen Oxide (NOx) emissions shall not exceed 11 pounds per hour. Sulfur Dioxide (SO2) emissions shall not exceed 0.72 pound per hour. Volatile Organic Compound (VOC) emissions shall not exceed 0.88 pound per hour. The requirements of this rule also include compliance with the requirements if OAC rules 3745-31-05(D), 3745-17-07(A)(1) and 3745-17-11(B)(5). See c)(1), c)(2) and c)(3).
b.	OAC rule 3745-31-05(D)	Carbon Monoxide (CO) emissions shall not exceed 4.7 TPY based on a rolling,



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		12-month summation. Nitrogen Oxide (NOx) emissions shall not exceed 22 TPY based on a rolling, 12-month summation. Particulate emissions (PE) shall not exceed 1.5 TPY based on a rolling, 12-month summation. Sulfur Dioxide (SO2) emissions shall not exceed 1.4 TPY based on a rolling, 12-month summation. Volatile Organic Compound (VOC) emissions shall not exceed 1.8 TPY based on a rolling, 12-month summation. See c)(4) and c)(5).
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20 percent opacity as a 6-minute average, except as provided by rule.
d.	OAC rule 3745-17-11(B)(5)	Particulate emissions (PE) shall not exceed 0.31 pound of particulate emissions per mmBtu of heat input.
e.	OAC rule 3745-18-06(B)	See b)(2)a.
f.	OAC rule 3745-21-08(B)	See b)(2)b.

(2) Additional Terms and Conditions

- a. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 because it has a rated heat input capacity less than 10 million BTU per hour total rated capacity.
- b. The permittee shall satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology (BAT) requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install. The design of the emissions unit and the technology associated with the current operating practices satisfy the BAT requirements.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.



c) Operational Restrictions

- (1) The permittee shall employ only diesel fuel with a maximum heat content of 0.5 percent by weight for combustion in this emissions unit.
- (2) The maximum annual operating hours for this emissions unit shall not exceed 4,000 hours, based upon a rolling 12-month summation of the operating hours.
- (3) When this portable emissions unit is operated at a facility with other NO_x emissions sources, the combined emissions of NO_x from all emissions units located at that facility shall not exceed 99 tons, as a rolling, 12-month summation.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than diesel fuel with a maximum sulfur content of 0.5 percent by weight, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.
- (2) The permittee shall maintain monthly records of the following information:
 - a. The operating hours for each month.
 - b. The rolling, 12-month summation of the operating hours.
- (3) When this portable emissions unit is operated at a facility with other NO_x emissions sources, the permittee shall keep monthly records that document the calculated combined NO_x emissions from all emissions units located at that facility as a rolling, 12-month summation.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.
- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:
 - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the Potential to Emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - i. Any deviation (excursion) of the rolling, 12-month emission limitations outlined in b)(1)b.
 - ii. Any deviation (excursion) of the rolling, 12-month operating hours limitation outlined in c)(2).
 - iii. Any deviation (excursion) of the recordkeeping requirements outlined in d)(2).



- b. the probable cause of each deviation (excursion);
- c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

f) Testing Requirements

(1) Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

(2) Emission Limitations:

Carbon Monoxide (CO) emissions shall not exceed 2.3 pounds per hour.

Carbon Monoxide (CO) emissions shall not exceed 4.7 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

The hourly emission limitation was calculated using the following equation and the emission factor for CO from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (revised 10/96):

$$350 \text{ bhp} \times 0.00668 \text{ lb of CO/bhp-hr} = 2.3 \text{ pounds of CO per hour.}$$

The annual emission limitation was calculated by multiplying the hourly limitation by 4000 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-4 and 10 of 40 CFR Part 60, Appendix A shall be employed.

(3) Emission Limitations:

Nitrogen Oxide (NOx) emissions shall not exceed 11 pounds per hour.



Nitrogen Oxide (NO_x) emissions shall not exceed 21.7 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

The hourly emission limitation was calculated using the following equation and the emission factor for NO_x from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (revised 10/96);

$$350 \text{ bhp} \times 0.031 \text{ lb of NO}_x/\text{bhp-hr} = 11 \text{ pounds of NO}_x \text{ per hour.}$$

The annual emission limitation was calculated by multiplying the hourly limitation by 4000 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-4 and 7 of 40 CFR Part 60, Appendix A shall be employed.

(4) Emission Limitations:

Sulfur Dioxide (SO₂) emissions shall not exceed 0.72 pound per hour.

Sulfur Dioxide (SO₂) emissions shall not exceed 1.4 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

The hourly emission limitation was calculated using the following equation and the emission factor for CO from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (revised 10/96):

$$350 \text{ bhp} \times 0.00205 \text{ lb of SO}_2/\text{bhp-hr} = 0.72 \text{ pounds of SO}_2 \text{ per hour.}$$

The annual emission limitation was calculated by multiplying the hourly limitation by 4000 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-4 and 6 of 40 CFR Part 60, Appendix A shall be employed.

(5) Emission Limitations:

Volatile Organic Compound (VOC) emissions shall not exceed 0.88 pound per hour.

Volatile Organic Compound (VOC) emissions shall not exceed 1.8 TPY based on a rolling, 12-month summation.

Applicable Compliance Method:

The hourly emission limitation was calculated using the following equation and the emission factor for nonmethane TOC from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (revised 10/96):

$$350 \text{ bhp} \times 0.0025 \text{ lb of VOC/bhp-hr} = 0.70 \text{ pound of VOC per hour.}$$



The annual emission limitation was calculated by multiplying the hourly limitation by 4000 hours per year and dividing by 2000.

Should testing be required to demonstrate compliance with this limitation, test methods 1-4 and 25 of 40 CFR Part 60, Appendix A shall be employed.

(6) Emission Limitations:

Particulate Emissions (PE) shall not exceed 0.310 pound of PE per mmBtu of actual heat input.

Applicable Compliance Method:

The pound per mmBtu emission limitation is based upon OAC rule 3745-17-11(B)(5)(a). The annual emission limitation was calculated using the following equation and the emission factor for PE from AP-42, Fifth Edition, Section 3.3, Table 3.3-1 (revised 10/96):

$$350 \text{ bhp} \times 0.0022 \text{ lb of PE/bhp-hr} \times 4000 \text{ hours/year} \times \text{ton}/2000 \text{ pounds} = 1.5 \text{ TPY PE.}$$

Should testing be required to demonstrate compliance with this limitation, test methods 1-5 of 40 CFR Part 60, Appendix A shall be employed.

g) Miscellaneous Requirements

(1) At the discretion and following the approval of the Director (the appropriate Ohio EPA District Office or local air agency), the permittee may relocate the portable source within the State of Ohio without first obtaining a permit-to-install and operate (PTIO) or a permit-to-install (PTI), providing the appropriate notification and exemption requirements have been met. The Director may issue a "Notice of Site Approval" through either of the following scenarios:

- a. Where future locations of the proposed portable source are unknown, the approval to relocate the portable source shall be acquired in accordance the permanent exemption for portable sources in OAC rule 3745-31-03(A)(1):
 - i. the portable source is operated in compliance with any applicable best available technology (BAT) determination issued in a permit and all applicable state and/or federal rules and laws;
 - ii. the portable source is operating pursuant to a currently effective PTIO or PTI and/or permit to operate (PTO) and continues to comply with the requirements of the permit;
 - iii. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
 - iv. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance and would be acceptable under OAC rule 3745-15-07; and



- v. the Director has issued a Notice of Site Approval, stating that the proposed site is acceptable and the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site.

The portable source can be relocated upon receipt of the Director=s Notice of Site Approval for the site; **or**

- b. As the alternative for any pre-disclosed location, the Director may issue a Notice of Site Approval if the portable source meets the requirements of OAC rule 3745-31-05(H), as follows:
 - i. the portable source is operating pursuant to a currently effective permit-to-install (PTI), permit-to-install and operate (PTIO), or has been approved for registration status and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
 - ii. the portable source has been issued a PTIO or PTI and the permittee continues to comply with the requirements of the permit, including any applicable best available technology (BAT) determination;
 - iii. the portable source owner has identified and submitted the proposed site to the Ohio EPA;
 - iv. the permitting District Office/local air agency and the District Office/local air agency having jurisdiction over the new site (if different) have determined that the portable source will have an acceptable environmental impact at the proposed site;
 - v. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site is located;
 - vi. the owner of the proposed site (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site; and
 - vii. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

The portable source can be relocated upon receipt of the Director=s Notice of Site Approval for the site. Any site approval issued by the Ohio EPA, pursuant to OAC rule 3745-31-05(H), is subject to expiration and renewal. Pursuant to OAC rule 3745-31-07(C)(3), any site approval for a portable source shall be issued for a period of time determined to be appropriate by the Director and the renewal will be reevaluated and subject to the same requirements above.

[OAC rule 3745-31-03(A)(1)(p)(i)] or [OAC rule 3745-31-03(A)(1)(p)(ii)], [OAC rule 3745-31-05(H)], [OAC rule 3745-31-07(C)(3)], and [ORC 3704.03(G)]



- (2) If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTIO or PTI (as applicable) for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745-77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.