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OhioEPA

State of Ohio Environmental Protection Agency

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Ohio Environmental Protection Agency Southeast District

Street Address:
Lazarus Gov. Center
50 West Town Street, Suite 700
Columbus, OH 43215

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

02/05/07

CERTIFIED MAIL

RE: Final Chapter 3745-35 Permit To Operate

P002 (Unit 5901)Unit 5901: 945 HP natural gas fired reciprocating internal combustion engine

Dominion East Ohio - Clay (06-79-00-0074)
Scott Hallam
1201 E 55th St.
Cleveland, OH 44103

Dear Scott Hallam:

The enclosed Permit(s) to Operate allow you to operate the described emissions unit(s) in the manner indicated in the Permit(s). Because each permit contains several terms and conditions, I urge you to read them 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 Compliance Assistance and Pollution Prevention at (800) 329-7518. For more information related to air pollution control in Ohio, visit www.epa.state.oh/dapc.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

If you have any questions, please contact Southeast District Office.

Sincerely,

Michael W. Ahern

Michael W. Ahern
Permit Issuance and Data Management Section
Division of Air Pollution Control

cc: Southeast District Office

State of Ohio Environmental Protection Agency

Final Permit To Operate An Emissions Unit

Effective Date: 02/05/07

Expiration Date: 02/05/12

This document constitutes issuance to:

Facility ID: 06-79-00-0074
Dominion East Ohio - Clay
496 Gravel Lick Rd.
Port Washington, OH 43837

of a permit to operate for:

P002 (Unit 5901)
Unit 5901: 945 HP natural gas fired reciprocating internal combustion engine

You will be contacted six months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency identified below. This permit and the authorization to operate the air contaminant source (emissions unit) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC Chapter 3745-35 and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the Ohio EPA District Office or local air agency that is responsible for processing and administering your permit:

Southeast District Office
2195 Front Street
Logan, OH 43138
(740) 385-8501

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski

Chris Korleski
Director

Part I: General Terms and Conditions

1. Compliance Requirements

The above-described emissions unit is and shall remain in full compliance with all applicable State and federal laws and regulations and the terms and conditions of this permit.

2. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

3. 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.)

4. 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 the permit. Such records may be maintained in computerized form.

5. 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 and federal 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 e exists for modifying, reopening o ›king this permit or to determine compliance with this p . Upon verbal or written request, ... ermittee 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.

6. 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 unit 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 this emissions unit(s) that is (are) served by such control system(s).

7. Permit Transfers

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

8. 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.

9. Permit Renewal

Approximately six months prior to the expiration date of this permit, a notice regarding the renewal of this permit will be sent to the permittee's designated facility contact. If you are not contacted, please contact the following Ohio EPA District Office or local air agency which has jurisdiction in the area in which the facility is located:

Southeast District Office
2195 Front Street
Logan, OH 43138
(740) 385-8501

It is the permittee's responsibility to renew this permit even if no notice of its expiration is received.

Part II: Special Terms and Conditions

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
945 HP Caterpillar natural gas fired engine G 3512 LE, with Miratech IQS-22-10-H1 oxidation catalyst	OAC rule 3745-31-05(A)(3) PTI # 06-08147	Emissions shall not exceed: 4.17 pounds per hour (lbs/hr) and 18.3 tons per year (tpy) of nitrogen oxides (NOx); 0.38 lbs/hr and 1.7 tpy of carbon monoxide (CO); 0.63 lb/hr and 2.8 tpy of organic compounds (OC); and 2.0 tpy of particulate emissions (PE). The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(B), 3745-17-11(B)(5)(b) and 3745-17-07(A).
	OAC rule 3745-17-11(B)(5)(b)	PE shall not exceed 0.062 lb/million Btu actual heat input.
	OAC rule 3745-17-07(A)(1)	Visible emissions shall not exceed 20% opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-18-06(G)	Exempt. See Section A.2.a below.
	OAC rule 3745-21-08(B)	See Section A.2.b below.
	OAC rule 3745-23-06(B)	See Section A.2.c below.

2. Additional Terms and Conditions

2.a This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

2.b The permittee has satisfied 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 requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

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. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions 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.

2. Additional Terms and Conditions (continued)

2.c The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

On February 15, 2005, OAC rule 3745-23-06 was rescinded; therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the U.S. EPA approves the revision, the requirement to satisfy the "latest available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

B. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emissions limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

1.a Emissions Limitation:
Emissions shall not exceed 4.17 lbs/hr NOx.

Applicable Compliance Method:
If required, nitrogen oxides emissions shall be determined according to test Methods 1 - 4, and 7 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources".

1.b Emissions Limitation:
Emissions shall not exceed 18.3 tpy of NOx.

Applicable Compliance Method:
Compliance shall be demonstrated by multiplying the maximum hourly emission rate (4.17 lbs/hr) by the maximum annual hours of operation (8,760 hours) and then dividing by 2,000 lbs/ton.

1.c Emissions Limitation:
Emissions shall not exceed 0.38 lbs/hr of CO.

Applicable Compliance Method:
If required, carbon monoxide emissions shall be determined according to test Methods 1 - 4, and 10 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources".

1.d Emissions Limitation:
Emissions shall not exceed 1.7 tpy of CO.

Applicable Compliance Method:
Compliance shall be demonstrated by multiplying the maximum hourly emission rate (0.38 lbs/hr) by the maximum annual hours of operation (8,760 hours) and then dividing by 2,000 lbs/ton.

E. Testing Requirements (continued)

1.e Emission Limitation:
Emissions shall not exceed 0.63 lbs/hr of OC.

Applicable Compliance Method:
If required, organic compound emissions shall be determined according to test Methods 1 - 4, and 18, 25, or 25a as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources".

1.f Emission Limitation:
Emissions shall not exceed 2.8 tpy of OC.

Applicable Compliance Method:
Compliance shall be demonstrated by multiplying the maximum hourly emission rate (0.6 lbs/hr) by the maximum annual hours of operation (8,760 hours) and then dividing by 2,000 lbs/ton.

1.g Emission Limitation:
Particulate emissions shall not exceed 0.062 lb/million Btu of actual heat input.

Applicable Compliance Method:
Compliance shall be based upon an emission factor of 0.029 lb/million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-2 (10/96).

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

1.h Emissions Limitation:
Emissions shall not exceed 2.0 ton PE per year.

Applicable Compliance Method:
Compliance shall be determined by multiplying the PE emission limitation of 0.062 lb/million Btu of actual heat input by the maximum heat input of P002 (7.3 million Btu/hr) and by the maximum annual hours of operation (8,760 hours) and then dividing by 2,000 lbs/ton.

1.i Emissions Limitation:
Visible particulate emissions shall not exceed 20% opacity as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, visible particulate emissions shall be determined according to test Method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 2002.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.