



Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

7/19/2012

Mr. Dan Rapp
LIEBERT CORP
975 Pittsburgh Dr.
Delaware, OH 43015

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0121019629
Permit Number: P0082353
Permit Type: Renewal
County: Delaware

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
Yes	SYNTHETIC MINOR TO AVOID TITLE V
Yes	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

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. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director 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, made payable to "Ohio Treasurer Josh Mandel," 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 Ohio EPA DAPC, Central District Office at (614)728-3778 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: Ohio EPA-CDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
LIEBERT CORP**

Facility ID:	0121019629
Permit Number:	P0082353
Permit Type:	Renewal
Issued:	7/19/2012
Effective:	7/19/2012
Expiration:	7/19/2017



Division of Air Pollution Control
Permit-to-Install and Operate
for
LIEBERT CORP

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Authorization

Facility ID: 0121019629
Application Number(s): A0012638, A0012639, A0012641
Permit Number: P0082353
Permit Description: Renewal FEPTIO for diesel-fired engines and gasoline dispensing facility.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 7/19/2012
Effective Date: 7/19/2012
Expiration Date: 7/19/2017
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

LIEBERT CORP
975 PITTSBURGH DR
DELAWARE, OH 43015

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

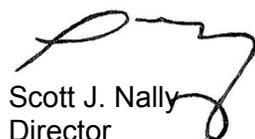
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

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


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0082353

Permit Description: Renewal FEPTIO for diesel-fired engines and gasoline dispensing facility.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	B003
Company Equipment ID:	Diesel Generator
Superseded Permit Number:	01-08922
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	B004
Company Equipment ID:	Diesel Generator
Superseded Permit Number:	01-08922
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	B005
Company Equipment ID:	Diesel Generator
Superseded Permit Number:	01-08922
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	G001
Company Equipment ID:	Gasoline Dispensing Facility
Superseded Permit Number:	01-08179
General Permit Category and Type:	Not Applicable

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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. 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 Ohio EPA DAPC, Central District Office 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 submitting¹ 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 emissions 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.

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

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 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.

B. Facility-Wide Terms and Conditions

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.

C. Emissions Unit Terms and Conditions



1. B003, Diesel Generator

Operations, Property and/or Equipment Description:

Stationary 416.25 hp (310.4 kW) Diesel-Fired Engine

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. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Row 1: OAC rule 3745-31-05(A)(3) | Emissions shall not exceed: 12.90 pounds per hour (lbs/hr) of nitrogen oxides (NOx); 2.78 lbs/hr of carbon monoxide (CO); 0.85 lb/hr of sulfur oxide (SOx); and 1.03 lb/hr of organic compounds (OC). See b)(2)a. and c)(1). The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-05(D), 3745-35-07(B), 3745-17-11(B)(5)(a) and 3745-17-07(A).



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-31-05(D) (synthetic minor to avoid Title V)	Emissions shall not exceed, as a 12 month rolling summation: 10.84 tons of NO _x 2.34 tons of CO 0.71 ton of SO _x 0.28 ton of particulate emissions (PE) 0.87 ton of OC See c)(2)
c.	OAC rule 3745-18-06(G)	See b)(2)b.
d.	OAC rule 3745-17-07(A)(1)	Visible emissions shall not exceed 20% opacity as a six minute average, except as provided by rule.
e.	OAC rule 3745-17-11(B)(5)(a)	PE from the engine exhaust shall not exceed 0.310 lb/MMBtu actual heat input.

(2) Additional Terms and Conditions

- a. The hourly emissions limitations for this emissions unit were established to reflect the potential to emit. Therefore, with the exception of the fuel oil analysis, it is not necessary to develop additional monitoring, record keeping, and/or reporting requirements to ensure compliance with these limits.
- b. OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MMBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 1.06 MMBtu/hr.

c) Operational Restrictions

- (1) The permittee shall only burn diesel fuel, containing no greater than 0.5% sulfur by weight, in this emissions unit.
- (2) The maximum number of operating hours for this emissions unit shall not exceed 1,680 hours based upon a rolling, 12-month summation.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the sulfur content of all fuels received for use in this emissions unit.
- (2) For each day during which the permittee burns a fuel other than diesel fuel containing no greater than 0.5% sulfur by weight in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.

- (3) The permittee shall maintain monthly records of the following information for this emissions unit:
- a. the monthly hours of operation;
 - b. the rolling, 12-month summation of the hours of operation, calculated by adding the current month's operating hours to the operating hours for the preceding eleven calendar months;
 - c. the rolling, 12-month summation of NO_x emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - d. the rolling, 12-month summation of CO emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - e. the rolling, 12-month summation of SO_x emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - f. the rolling, 12-month summation of PE emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e); and
 - g. the rolling, 12-month summation of OC emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e).
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services 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. each day when a fuel other than diesel fuel containing greater than 0.5% sulfur by weight was burned in this emissions unit;
 - b. 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 exceedance of the rolling, 12-month hours of operation limitation.
 - c. the probable cause of each deviation (excursion);
 - d. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - e. 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, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (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) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

12.90 lbs/hr of NO_x

Applicable Compliance Method:

$(416.25 \text{ hp}) \times (0.031 \text{ lbsNO}_x / \text{hp-hr}) = 12.90 \text{ lbsNO}_x/\text{hr}$.

Emission factor, 0.031 lbsNO_x x/ hp-hr (power output), is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.3, "Gasoline and Diesel Industrial Engines", Table 3.3-1, October 1996.

If required, compliance shall be determined in accordance with the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

b. Emissions Limitation:

2.78lbs/hr of CO

Applicable Compliance Method:

$(416.25\text{hp}) \times (0.00668 \text{ lbs CO} / \text{hp-hr}) = 2.78\text{lbs CO} / \text{hr}$

Emission factor, 0.00668 lbs CO / hp-hr (power output), is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.3, "Gasoline and Diesel Industrial Engines", Table 3.3-1, October 1996.

If required, compliance shall be determined in accordance with the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

c. Emissions Limitation:

0.71 lb/hr of SO_x

Applicable Compliance Method:

$$(416.25 \text{ hp}) \times (0.00205 \text{ lbs SO}_x / \text{ hp-hr}) = 0.71 \text{ lbSO}_x / \text{ hr}$$

Emission factor, 0.00205 lbsSO_x / hp-hr (power output), is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.3, "Gasoline and Diesel Industrial Engines", Table 3.3-1, October 1996.

If required, compliance shall be determined in accordance with the following testmethod: 40 CFR Part 60, Appendix A, Method 8. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

d. Emissions Limitation:

1.03 lb/hr of OC

Applicable Compliance Method:

$$(416.25\text{hp}) \times (0.00247 \text{ lbs OC/ hp-hr}) = 1.03 \text{ lb OC} / \text{ hr}$$

Emission factor, 0.00247 lbs OC/ hp-hr (power output), is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.3, "Gasoline and Diesel Industrial Engines", Table 3.3-1, October 1996.

If required, compliance shall be determined in accordance with the following testmethod: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

e. Emission Limitations:

Emissions shall not exceed, as a 12 month rolling summation:

10.84 tons NO_x;
2.34 tons CO;
0.71 ton SO_x; and
0.87 ton OC

Applicable Compliance Method:

Compliance with the rolling, 12-month summation for each emissions limitation, shall be determined by multiplying the total number of hours operated per rolling, 12-month period, as recorded in d)(3), by the associated hourly emissions rate identified in f)(1)a. through f)(1)d. above divided by 2000.

f. Emission Limitation:

Emissions shall not exceed, as a rolling, 12-month summation, 0.28 ton PE.

Applicable Compliance Method:

Compliance shall be determined by multiplying the total number of hours operated per rolling, 12-month period, as recorded in d)(3), by the maximum rated heat input of 1.06 MMBtu by 0.31 lb/MMBtu* divided by 2000.

* AP-42, Volume I, Fifth Edition, Section 3.3, "Gasoline and Diesel Industrial Engines", Table 3.3-1, October 1996.

g. Emission Limitation:

PE from the engine exhaust shall not exceed 0.310lb/MMBtu actual heat input.

Applicable Compliance Method:

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).

h. Emission Limitation:

Visible emissions shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures are specified in OAC rule 3745-17-03(B)(1).

g) Miscellaneous Requirements

(1) None.



2. B004, Diesel Generator

Operations, Property and/or Equipment Description:

Stationary 1145 hp (846 kW) Diesel-Fired Engine

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. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)	<p>Emissions shall not exceed:</p> <p>20.77 pounds per hour (lbs/hr) of nitrogen oxides (NO_x);</p> <p>6.30 lbs/hr of carbon monoxide (CO);</p> <p>4.63 lbs/hr of sulfur oxide (SO_x); and</p> <p>0.81 lbs/hr of organic compounds (OC).</p> <p>See b)(2)a. and c)(1)</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-05(D), 3745-35-07(B), 3745-17-11(B)(5)(a) and 3745-17-07(A).</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-31-05(D) (synthetic minor to avoid Title V)	Emissions shall not exceed, as a 12 month rolling summation: 17.45 tons of NO _x 5.29 tons of CO 3.89 tons of SO _x 0.15 ton of particulate emissions (PE) 0.68 tons of OC See c)(2)
c.	OAC rule 3745-18-06(G)	See b)(2)b.
d.	OAC rule 3745-17-07(A)(1)	Visible emissions shall not exceed 20% opacity as a six minute average, except as provided by rule.
e.	OAC rule 3745-17-11(B)(5)(b)	PE from the engine exhaust shall not exceed 0.062 lb/MMBtu actual heat input.

(2) Additional Terms and Conditions

- a. The hourly emissions limitations for this emissions unit were established to reflect the potential to emit. Therefore, with the exception of the fuel oil analysis, it is not necessary to develop additional monitoring, record keeping, and/or reporting requirements to ensure compliance with these limits.
- b. OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MMBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 2.89 MMBtu/hr.

c) Operational Restrictions

- (1) The permittee shall only burn diesel fuel, containing no greater than 0.5% sulfur by weight, in this emissions unit.
- (2) The maximum number of operating hours for this emissions unit shall not exceed 1,680 hours based upon a rolling, 12-month summation.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the sulfur content of all fuels received for use in this emissions unit.
- (2) For each day during which the permittee burns a fuel other than diesel fuel containing no greater than 0.5% sulfur by weight in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.

- (3) The permittee shall maintain monthly records of the following information for this emissions unit:
- a. the monthly hours of operation;
 - b. the rolling, 12-month summation of the hours of operation, calculated by adding the current month's operating hours to the operating hours for the preceding eleven calendar months;
 - c. the rolling, 12-month summation of NO_x emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - d. the rolling, 12-month summation of CO emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - e. the rolling, 12-month summation of SO_x emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - f. the rolling, 12-month summation of PE emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e); and
 - g. the rolling, 12-month summation of OC emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e).

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services 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. each day when a fuel other than diesel fuel containing greater than 0.5% sulfur by weight was burned in this emissions unit;
 - b. 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 exceedance of the rolling, 12-month hours of operation limitation.
 - c. the probable cause of each deviation (excursion);
 - d. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - e. 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, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (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) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

20.77 lbs/hr of NO_x

Applicable Compliance Method:

$(1,145 \text{ hp}) \times (8.23 \text{ grams NO}_x / \text{bhp-hr}) \times (1 \text{ lb} / 453.6 \text{ grams}) = 20.77 \text{ lbs NO}_x / \text{hr}$

Emission factor, 8.23 grams NO_x /bhp-hr (power output), is obtained from manufactures data, Cummins Power Generation, 60 Hz Diesel Generator Set (750DFHA), Exhaust Emission Data Sheet.

If required, compliance shall be determined in accordance with the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

b. Emissions Limitation:

6.30lbs/hr of CO

Applicable Compliance Method:

$(1,145 \text{ hp}) \times (0.0055 \text{ lbs CO} / \text{hp-hr}) = 6.30 \text{ lbs CO} / \text{hr}$

Emission factor, 0.0055 lbs CO/ hp-hr, is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.4, "Large Stationary diesel and All Stationary Dual-fuel Engines", Table 3.4-1, October 1996.

If required, compliance shall be determined in accordance with the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

c. Emissions Limitation:

4.63lbs/hr of SO_x

Applicable Compliance Method:

$$(1,145 \text{ hp}) \times (0.00809 \text{ lbs SO}_x / \text{hp-hr})(0.5\%S) = 4.63 \text{ lbs SO}_x / \text{hr}$$

Emission factor 0.00809 lbsSO_x/hp-hr times the sulfur content of the diesel fuel (0.5 %) is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.4, "Large Stationary diesel and All Stationary Dual-fuel Engines", Table 3.4-1, October 1996.

If required, compliance shall be determined in accordance with the following testmethod: 40 CFR Part 60, Appendix A, Method 8. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

d. Emissions Limitation:

0.81lbs/hr of OC

Applicable Compliance Method:

$$(1,145 \text{ hp}) \times (0.000705 \text{ lbs OC} / \text{hp-hr}) = 0.81 \text{ lbs OC} / \text{hr}$$

Emission factor, 0.000705 lbs OC / hp-hr, is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.4, "Large Stationary diesel and All Stationary Dual-fuel Engines", Table 3.4-1, October 1996.

If required, compliance shall be determined in accordance with the following testmethod: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

e. Emission Limitations:

Emissions shall not exceed, as a 12 month rolling summation:

17.45 tons NO_x;
5.29 tons CO;
3.89 tons SO_x; and
0.68 tons OC

Applicable Compliance Method:

Compliance with the rolling, 12-month summation for each emissions limitation, shall be determined by multiplying the total number of hours operated per rolling, 12-month period, as recorded in d)(3), by the associated hourly emissions rate identified in f)(1)a. through f)(1)d. above divided by 2000.

f. Emission Limitation:

Emissions shall not exceed, as a rolling, 12-month summation, 0.15 ton PE.

Applicable Compliance Method:

Compliance shall be determined by multiplying the total number of hours operated per rolling, 12-month period, as recorded in d)(3), by the maximum rated heat input of 2.89 MMBtu by 0.062 lb/MMBtu* divided by 2000.

* AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

g. Emission Limitation:

PE from the engine exhaust shall not exceed 0.062lb/MMBtu actual heat input.

Applicable Compliance Method:

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).

h. Emission Limitation:

Visible emissions shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures are specified in OAC rule 3745-17-03(B)(1).

g) Miscellaneous Requirements

(1) None.



3. B005, Diesel Generator

Operations, Property and/or Equipment Description:

Stationary 2304 hp (1750 kW) Diesel-Fired Engine

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. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Row 1: OAC rule 3745-31-05(A)(3) and Emissions shall not exceed: 39.47 pounds per hour (lbs/hr) of nitrogen oxides (NOx); 12.67 lbs/hr of carbon monoxide (CO); 9.32 lbs/hr of sulfur oxide (SOx); and 1.62 lbs/hr of organic compounds (OC). See b)(2)a. and c)(1). The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-05(D), 3745-35-07(B), 3745-17-11(B)(5)(a) and 3745-17-07(A).



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-31-05(D) (synthetic minor to avoid Title V)	Emissions shall not exceed, as a 12 month rolling summation: 33.15 tons of NO _x 10.64 tons of CO 7.83 tons of SO _x 0.31 ton of particulate emissions (PE) 1.36 ton of OC See c)(2)
c.	OAC rule 3745-18-06(G)	See b)(2)b.
d.	OAC rule 3745-17-07(A)(1)	Visible emissions shall not exceed 20% opacity as a six minute average, except as provided by rule.
e.	OAC rule 3745-17-11(B)(5)(b)	PE from the engine exhaust shall not exceed 0.062 lb/MMBtu actual heat input.

(2) Additional Terms and Conditions

- a. The hourly emissions limitations for this emissions unit were established to reflect the potential to emit. Therefore, with the exception of the fuel oil analysis, it is not necessary to develop additional monitoring, record keeping, and/or reporting requirements to ensure compliance with these limits.
- b. OAC rule 3745-18-06(B) exempts stationary internal combustion engines which have rated heat input capacities equal to, or less than, 10 MMBtu/hr from the sulfur dioxide emission limit in OAC rule 3745-18-06(G). This emissions unit has a rated heat input of 5.98 MMBtu/hr.

c) Operational Restrictions

- (1) The permittee shall only burn diesel fuel, containing no greater than 0.5% sulfur by weight, in this emissions unit.
- (2) The maximum number of operating hours for this emissions unit shall not exceed 1,680 hours based upon a rolling, 12-month summation.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the sulfur content of all fuels received for use in this emissions unit.
- (2) For each day during which the permittee burns a fuel other than diesel fuel containing no greater than 0.5% sulfur by weight in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.

- (3) The permittee shall maintain monthly records of the following information for this emissions unit:
- a. the monthly hours of operation;
 - b. the rolling, 12-month summation of the hours of operation, calculated by adding the current month's operating hours to the operating hours for the preceding eleven calendar months;
 - c. the rolling, 12-month summation of NO_x emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - d. the rolling, 12-month summation of CO emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - e. the rolling, 12-month summation of SO_x emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e);
 - f. the rolling, 12-month summation of PE emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e); and
 - g. the rolling, 12-month summation of OC emissions, calculated by multiplying d)(3)b. above by the appropriate emissions factor identified in f)(1)(e).

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services 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. each day when a fuel other than diesel fuel containing greater than 0.5% sulfur by weight was burned in this emissions unit;
 - b. 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 exceedance of the rolling, 12-month hours of operation limitation;
 - ii. any exceedance of the rolling, 12-month NO_x emissions limitation;
 - iii. any exceedance of the rolling, 12-month CO emissions limitation;
 - iv. any exceedance of the rolling, 12-month SO_x emissions limitation;
 - v. any exceedance of the rolling, 12-month PE emissions limitation; and



- vi. any exceedance of the rolling, 12-month OC emissions limitation.
- c. the probable cause of each deviation (excursion);
- d. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- e. 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, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (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) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

39.47 lbs/hr of NO_x

Applicable Compliance Method:

$$(2,304\text{hp}) \times (7.77 \text{ grams NO}_x / \text{bhp-hr}) \times (1 \text{ lb} / 453.6 \text{ grams}) = 39.47 \text{ lbs NO}_x / \text{hr}$$

Emission factor, 7.77 grams NO_x /bhp-hr (power output), is obtained from manufactures data, Caterpillar, Diesel Generator Set, Standby 2000 ekW / 2500 kVA, Technical Data table, April 2002.

If required, compliance shall be determined in accordance with the following test method: 40 CFR Part 60, Appendix A, Method 7. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

b. Emissions Limitation:

12.67lbs/hr of CO

Applicable Compliance Method:

$$(2,304\text{hp}) \times (0.0055 \text{ lbs CO} / \text{hp-hr}) = 12.67 \text{ lbs CO} / \text{hr}$$

Emission factor, 0.0055 lbs CO/ hp-hr, is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.4, "Large Stationary diesel and All Stationary Dual-fuel Engines", Table 3.4-1, October 1996.

If required, compliance shall be determined in accordance with the following test method: 40 CFR Part 60, Appendix A, Method 10. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

c. Emissions Limitation:

9.32lbs/hr of SO_x

Applicable Compliance Method:

$$(2,304\text{hp}) \times (0.00809 \text{ lbs SO}_x / \text{hp-hr})(0.5\%S) = 9.32\text{lbsSO}_x / \text{hr}$$

Emission factor 0.00809 lbsSO_x/hp-hr times the sulfur content of the diesel fuel (0.5 %) is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.4, "Large Stationary diesel and All Stationary Dual-fuel Engines", Table 3.4-1, October 1996.

If required, compliance shall be determined in accordance with the following test method: 40 CFR Part 60, Appendix A, Method 8. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

d. Emissions Limitation:

1.62lbs/hr of OC

Applicable Compliance Method:

$$(2,304 \text{ hp}) \times (0.000705 \text{ lbs OC} / \text{hp-hr}) = 1.62\text{lbs OC} / \text{hr}$$

Emission factor, 0.000705 lbs OC/ hp-hr, is obtained from USEPA's AP-42, Volume I, Fifth Edition, Section 3.4, "Large Stationary diesel and All Stationary Dual-fuel Engines", Table 3.4-1, October 1996.

If required, compliance shall be determined in accordance with the following test method: 40 CFR Part 60, Appendix A, Method 25A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA Central District Office.

e. Emission Limitations:

Emissions shall not exceed, as a 12 month rolling summation:

33.15 tons NO_x;
10.64 tons CO;
7.83 ton SO_x; and
1.36 ton OC

Applicable Compliance Method:

Compliance with the rolling, 12-month summation for each emissions limitation, shall be determined by multiplying the total number of hours operated per rolling, 12-month period, as recorded in d)(3), by the associated hourly emissions rate identified in f)(1)a. through f)(1)d. above divided by 2000.

f. Emission Limitation:

Emissions shall not exceed, as a rolling, 12-month summation, 0.3 ton PE.

Applicable Compliance Method:

Compliance shall be determined by multiplying the total number of hours operated per rolling, 12-month period, as recorded in d)(3), by the maximum rated heat input of 6.7 MMBtu by 0.062 lb/MMBtu* divided by 2000.

* AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

g. Emission Limitation:

PE from the engine exhaust shall not exceed 0.062lb/MMBtu actual heat input.

Applicable Compliance Method:

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).

h. Emission Limitation:

Visible emissions shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures are specified in OAC rule 3745-17-03(B)(1).

g) Miscellaneous Requirements

(1) None.



4. G001, Gasoline Dispensing Facility

Operations, Property and/or Equipment Description:

Gasoline Dispensing Facility - 10,000 gallon underground gasoline storage tank with two dispensers

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. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Table with 2 columns: Applicable Rules/Requirements, Applicable Emissions Limitations/Control Measures. Row a: OAC rule 3745-31-05(A)(3), Volatile organic compound (VOC) emissions shall not exceed 3.25 tons per year (TPY). Row b: OAC rule 3745-21-09(R), Use of submerged fill and Stage I vapor control with a 90% control efficiency for VOC emissions.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The permittee shall comply with the following operational restrictions for the Stage I vapor control system:

a. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of gasoline;

- b. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers;
 - c. There shall be no leaks in the vapor lines or liquid lines during the transfer of gasoline;
 - d. The transfer of gasoline from a delivery vessel to a stationary storage tank shall be conducted by use of submerged fill into the storage tank. The submerged fill pipe(s) are to be installed so they are within six (6) inches of the bottom of the storage tank;
 - e. All fill caps shall be "in place" and clamped during normal storage conditions; and
 - f. The permittee shall repair within 15 days any leak from the vapor balance system or vapor control system which is employed to meet the requirements of paragraph (R)(1) of OAC rule 3745-21-09 when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.
- d) **Monitoring and/or Recordkeeping Requirements**
- (1) The permittee shall maintain records of the results of any leak checks, including, at a minimum, the following information:
 - a. date of inspection;
 - b. findings (may indicate no leaks discovered or location, nature, and severity of each leak);
 - c. leak determination method;
 - d. corrective action (date each leak repaired and reasons for any repair interval in excess of 15 calendar days); and
 - e. inspector's name and signature.
 - (2) The permittee shall maintain records of the annual gasoline and diesel throughputs for the facility.
- e) **Reporting Requirements**
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services 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.
- f) **Testing Requirements**
- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation:

VOC emissions shall not exceed 3.25 TPY.

Applicable Compliance Method:

Emission rates (factors) are expressed in pounds (lbs) of organic compounds per 1000 gallons of gasoline throughput. Emission factors are for VOC as well as total organic compound (OC) emissions, because the methane and ethane content of gasoline is negligible.

i. Emission factors for gasoline storage tank filling and dispensing operations:

- (a) Gasoline dispensing facility has submerged tank filling for gasoline storage tanks: OC emission factor = 20.0 lbs OC/1000 gallons;
- (b) Gasoline dispensing facility has submerged tank filling with Stage I vapor control for gasoline storage tanks: OC emission factor = 13.0 lbs OC/1000 gallons; and
- (c) Gasoline dispensing facility has submerged tank filling with Stage I vapor control for gasoline storage tanks and Stage II vapor control for vehicle refueling: OC emission factor = 3.1 lbs OC/1000 gallons.

Gasoline emission factors are from USEPA publication AP-42, Fifth Edition, Table 5.2-7.

ii. Emission factors for diesel, kerosene, and used oil tank filling operations:

- (a) Gasoline dispensing facility has submerged tank filling for diesel, kerosene, and used oil tank filling operations: OC emission factor = 0.027 lb OC/1000 gallons.

This emission factor is the SCC emission factor for transfer operations from diesel storage tanks. It is assumed that the same emission factor applies to kerosene and used oil transfer operations.

g) Miscellaneous Requirements

- (1) None.