

Facility ID: 1576031913 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit B001](#)
- [Go to Part II for Emissions Unit F001](#)
- [Go to Part II for Emissions Unit G001](#)
- [Go to Part II for Emissions Unit P001](#)
- [Go to Part II for Emissions Unit P002](#)
- [Go to Part II for Emissions Unit P003](#)

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Facility ID: 1576031913 Emissions Unit ID: B001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

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.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
B001 - 12.5 mmBtu/hr natural gas-fired heat exchanger.	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) shall not exceed 0.25 lb/hr and 1.1 tons/year.
		The carbon monoxide (CO) emissions shall not exceed 1.05 lbs/hr and 4.6 tons/year.
		The nitrogen oxide (NOx) emissions shall not exceed 1.25 lbs/hr and 5.48 tons/year.
		The volatile organic compounds (VOC) shall not exceed 0.07 lb/hr and 0.31 ton/yr.
		The sulfur dioxide (SO2) emissions shall not exceed 0.01 lb/hr and 0.04 ton/yr.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and rule 3745-17-10(B)(1).
	OAC rule 3745-17-07(A)(1)	OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-10(B)(1)	The PE shall not exceed 0.020 lb/mmBtu of actual heat input.
	OAC rule 3745-18-06(A)	Exempt pursuant to OAC rule 3745-18-06(A) when burning natural gas
	OAC rule 3745-21-08(B)	See Section A.2.a. below.
See Section A.2.a. below.	See Section A.2.a. below.	
40 CFR 60 Subpart Dc	See Section A.2.b. below.	

2. **Additional Terms and Conditions**
 - (a) The design of the emissions unit and the technology associated with the current operating practices satisfy the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively.
As long as only natural gas fuel is burned, this emissions unit is not subject to the emission limits listed in 40 CFR Part 60, Subpart Dc.

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 emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emissions Limitation:

Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Methods:

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

Emissions Limitation:

The PE shall not exceed 0.020 lb/mmBtu of actual heat input, 0.25 lb/hr and 1.1 tons/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 1.9 lbs of particulates/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.0119 mm cu. ft./hr) and dividing by the emissions unit's total heat input capacity (12.5 mmBtu/hr). Compliance with the hourly emission limitation shall be determined by multiplying 1.9 lbs of particulates/mm cu. ft. by 0.0119 mm cu. ft./hr. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing natural gas.

Emissions Limitation:

CO emissions shall not exceed 1.05 lbs/hr and 4.6 tons/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 84 lbs of CO/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.0119 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10 while firing natural gas.

Emissions Limitation:

NOx emissions shall not exceed 1.25 lbs/hr and 5.48 tons/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 100 lbs of NOx/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.0119 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

Emissions Limitation:

SO2 emissions shall not exceed 0.01 lb/hr and 0.04 ton/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 0.6 lb of SO2/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.0119 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

Emissions Limitation:

VOC emissions shall not exceed 0.07 lb/hr and 0.31 ton/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 5.5 lbs of VOC/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.0119 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

F. Miscellaneous Requirements

- 1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1576031913 Emissions Unit ID: F001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

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.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - unpaved roadways and parking areas (see Section A.2.b)	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) shall not exceed 6.5 tons/yr. There shall be no visible particulate fugitive emissions except for 3 minutes during any 60-minute period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. (See Sections A.2.b through A.2.d below.)
	OAC rule 3745-17-07(B)(5)	See Section A.2.e below.
	OAC rule 3745-17-08(B)	See Section A.2.f below.

2. Additional Terms and Conditions

- (a) The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:
 - unpaved roadways:
all
 - unpaved parking areas:
all

The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with chemical dust suppressants and water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (B)(11) of OAC rule 3745-17-07, the requirements of OAC rule 3745-17-07(B)(5) do not apply to the fugitive emissions

from this emissions unit.

Since this emissions unit is not located in an Appendix A area, pursuant to paragraph (A)(1) of OAC rule 3745-17-08, the requirements of OAC rule 3745-17-08(B) do not apply to the fugitive emissions from this emissions unit.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:
- unpaved roadways and parking areas:
all
 - minimum inspection frequency:
weekly
2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the Canton local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
- the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - the dates the control measures were implemented; and
 - on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:
- each week during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - each instance when a control measure that was to be implemented as a result of an inspection was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation:
The particulate emissions (PE) shall not exceed 6.5 tons/yr.

Applicable Compliance Method:

Compliance with this emission limitation for the unpaved roadways and parking areas identified above shall be determined by using the emission factor for unpaved roadways as stated in AP-42, 5th Edition, September 1998, Chapter 13.2.2, Equation (2). This equation will provide the emission factor for particulate matter in pounds per vehicle mile traveled. This emission factor is then multiplied by the total annual vehicle miles traveled and divided by 2000 pounds to obtain the total annual uncontrolled PE emissions (in tons per year).

Emissions Limitation:

There shall be no visible particulate fugitive emissions except for 3 minutes during any 60-minute period.

Applicable Compliance Method:

Compliance with the emission limitation for the unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources,") as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1576031913 Emissions Unit ID: G001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

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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.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
G001 - Gasoline Dispensing Facility One 2,000 gallon gasoline storage tank and one 2,000 gallon diesel storage tank.	OAC rule 3745-31-05(A)(3)	The volatile organic compound (VOC) emissions shall not exceed 0.65 ton/year. Best Available Technology (BAT) is Stage I vapor control - 90% control efficiency for VOC for gasoline storage tanks and submerged fill for gasoline and diesel storage tanks.
	OAC rule 3745-21-09(R)	See section B.1. below. Exempt because throughput is less than 120,000 gallon/year.

2. **Additional Terms and Conditions**
 - (a) None

B. 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 of propane, as determined under paragraph (K) of OAC rule 3745-21-10.

C. Monitoring and/or Record Keeping 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, 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 throughput for the facility and determine the annual VOC emission rate. (See section E.1.a, which explains how to calculate annual VOC emissions).

D. Reporting Requirements

1. Any leak from the vapor balance system or vapor control system that is not repaired within 15 days after identification shall be reported to the Canton local air agency within 30 days after the repair is completed.
2. The permittee shall submit a deviation (excursion) report if the annual VOC emissions from this facility exceed 0.65 ton/yr.

E. Testing Requirements

1. Compliance with the annual volatile organic compound (VOC) emission limit in Section A.1 of these terms and conditions shall be calculated as the sum of the VOC emissions from all gasoline storage tank filling and dispensing operations, and, if applicable, diesel, kerosene, and used oil tank filling operations at the gasoline dispensing facility (unless otherwise exempted pursuant to OAC rule 3745-31-03). This calculation shall be based on the actual gasoline, diesel, kerosene, and used oil throughputs for the facility using the calculation factors below.
Emissions Limitation:
0.65 ton VOC/year.

Applicable Compliance Method:

Multiply the appropriate emission factor below by the gallons of gasoline, diesel, kerosene, or used oil dispensed per year and divide by 2,000 lbs/ton. Repeat this calculation for each material dispensed at the facility and sum the results to yield the total annual VOC emission rate.

(Emission rates (factors) are expressed in pounds (lbs) of organic compounds per 1,000 gallons of gasoline throughput. Emission factors are for VOC as well as total organic compound (OC) emissions because the methane and ethane content of gas is negligible.)

- i. Since this gasoline dispensing facility has submerged tank filling with Stage I vapor control for gasoline storage tanks, the emission factor for gasoline storage tank filling and dispensing operations = 13.0 lbs VOC/1,000 gallons. (Gasoline emission factors are from USEPA publication AP-42, Fifth Edition, table 5.2-7).
- ii. The emission factor for diesel, kerosene, and used oil tank filling operations when the facility has submerged tank filling = 0.027 lb VOC/1,000 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.)

F. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1576031913 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

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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.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P001 - continuous potato chip fryer with no burner and oil mist eliminator; PC 2100	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) shall not exceed 0.74 lb/hr and 3.24 tons/yr.
		The volatile organic compound (VOC) emissions shall not exceed 0.02 lb/hr and 0.09 ton/yr.
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A). Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

OAC rule 3745-17-11

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

(a) None

B. **Operational Restrictions**

1. The permittee shall operate the oil mist eliminator whenever this emissions unit is in operation.

C. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall maintain daily records that document any time periods when the oil mist eliminator system was not in service when the emissions unit was in operation.

D. **Reporting Requirements**

1. The permittee shall notify the Canton local air agency in writing of any daily record showing that the oil mist eliminator was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Canton local air agency within 30 days after the event occurs.

E. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emissions Limitation:

Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Methods:

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

Emissions Limitation:

The PE shall not exceed 0.74 lb/hr and 3.24 tons/year.

Applicable Compliance Methods:

The emission factor is 0.7 lb PE/ton of chips with the oil mist eliminator. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 9.13.3.1, Table 9.13.3-2 (1/95). The maximum production is 1.05 tons chip/hr. Compliance with the hourly emission limitation shall be determined by multiplying the emission factor of 0.7 lb PE/ton of chips x 1.05 tons chips/hr.

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing natural gas.

Emissions Limitation:

The VOC emissions shall not exceed 0.02 lb/hr and 0.09 ton/year.

Applicable Compliance Methods:

The emission factor is 0.02 lb VOC/ton of chips with the oil mist eliminator. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 9.13.3.1, Table 9.13.3-3 (1/95). The maximum production is 1.05 tons chip/hr. Compliance with the hourly emission limitation shall be determined by multiplying the emission factor of 0.02 lb PE/ton of chips x 1.05 tons chips/hr.

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 1576031913 Emissions Unit ID: P002 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

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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.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P002 - continuous potato chip fryer with 6 mmBtu/hr natural gas fired burner and no controls; PC #6	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) shall not exceed 0.58 lb/hr and 2.54 tons/yr.
		The nitrogen oxide (NOx) emissions shall not exceed 0.6 lb/hr and 2.63 tons/yr.
		The carbon monoxide (CO) emissions shall not exceed 0.5 lb/hr and 2.19 tons/yr.
		The sulfur dioxide (SO2) emissions shall not exceed 0.004 lb/hr and 0.02 ton/yr.
	OAC rule 3745-17-07(A)(1)	The volatile organic compound (VOC) emissions shall not exceed 0.04 lb/hr and 0.18 ton/yr.
	OAC rule 3745-17-11	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A). Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

(a) None

B. Operational Restrictions

1. The permittee shall employ only natural gas as fuel in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. None

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 emission unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

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

Emissions Limitation:
The PE shall not exceed 0.58 lb/hr and 2.54 tons/year.

Applicable Compliance Methods:
There are two sources of PE emissions. One is from the combustion of natural gas and the other is from oil mist coming from the fryer.

When firing natural gas, compliance shall be determined by multiplying an emission factor of 1.9 lbs of particulates/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.006 mm cu. ft./hr) and dividing by the emissions unit's total heat input capacity (6 mmBtu/hr). Compliance with the hourly emission limitation shall be determined by multiplying 1.9 lbs of particulates/mm cu. ft. by 0.006 mm cu. ft./hr. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

The emission factor is 1.6 lbs PE/ton of chips. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 9.13.3.1, Table 9.13.3-2 (1/95). The maximum production is 0.354 ton chip/hr. Compliance with the hourly emission limitation shall be determined by multiplying the emission factor of 1.6 lbs PE/ton of chips x 0.354 ton chips/hr.

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing natural gas.

Emissions Limitation:

The CO emissions shall not exceed 0.5 lb/hr and 2.19 tons/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 84 lbs of CO/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.006 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10 while firing natural gas.

Emissions Limitation:

NOx emissions shall not exceed 0.6 lb/hr and 2.63 tons/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 100 lbs of NOx/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.006 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

Emissions Limitation:

SO2 emissions shall not exceed 0.004 lb/hr and 0.02 ton/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 0.6 lb of SO2/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.006 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

Emissions Limitation:

VOC emissions shall not exceed 0.04 lb/hr and 0.18 ton/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 5.5 lbs of VOC/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.006 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

The emission factor is 0.02 lb VOC/ton of chips with the oil mist eliminator. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 9.13.3.1, Table 9.13.3-3 (1/95). The maximum production is 0.354 ton chip/hr. Compliance with the hourly emission limitation shall be determined by multiplying the emission factor of 0.02 lb VOC/ton of chips x 0.354 ton chips/hr.

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

F. Miscellaneous Requirements

1. None

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1576031913 Emissions Unit ID: P003 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

Part II - Special Terms and Conditions

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.

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P003 - continuous potato chip fryer with 7 mmBtu/hr natural gas fired burner and no controls; PC #7	OAC rule 3745-31-05(A)(3)	The particulate emissions (PE) shall not exceed 0.49 lb/hr and 2.15 tons/yr. The nitrogen oxide (NOx) emissions shall not exceed 0.7 lb/hr and 3.07 tons/yr. The carbon monoxide (CO) emissions shall not exceed 0.59 lb/hr and 2.58 tons/yr. The sulfur dioxide (SO2) emissions shall not exceed 0.004 lb/hr and 0.02 ton/yr. The volatile organic compound (VOC) emissions shall not exceed 0.05 lb/hr and 0.22 ton/yr.
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A). Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

- 1. The permittee shall employ only natural gas as fuel in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

- 1. None

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 emission unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

- 1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
Emissions Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Methods:

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

Emissions Limitation:

The PE shall not exceed 0.49 lb/hr and 2.15 tons/year.

Applicable Compliance Methods:

There are two sources of PE emissions. One is from the combustion of natural gas and the other is from oil mist coming from the fryer.

When firing natural gas, compliance shall be determined by multiplying an emission factor of 1.9 lbs of particulates/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.007 mm cu. ft./hr) and dividing by the emissions unit's total heat input capacity (6 mmBtu/hr). Compliance with the hourly emission limitation shall be determined by multiplying 1.9 lbs of particulates/mm cu. ft. by 0.007 mm cu. ft./hr. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

The emission factor is 1.6 lbs PE/ton of chips. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 9.13.3.1, Table 9.13.3-2 (1/95). The maximum production is 0.354 ton chip/hr. Compliance with the hourly emission limitation shall be determined by multiplying the emission factor of 1.6 lbs PE/ton of chips x 0.302 ton chips/hr.

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR

Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing natural gas.

Emissions Limitation:

The PE shall not exceed 0.49 lb/hr and 2.15 tons/year.

Applicable Compliance Methods:

There are two sources of PE emissions. One is from the combustion of natural gas and the other is from oil mist coming from the fryer.

When firing natural gas, compliance shall be determined by multiplying an emission factor of 1.9 lbs of particulates/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.007 mm cu. ft./hr) and dividing by the emissions unit's total heat input capacity (6 mmBtu/hr). Compliance with the hourly emission limitation shall be determined by multiplying 1.9 lbs of particulates/mm cu. ft. by 0.007 mm cu. ft./hr. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

The emission factor is 1.6 lbs PE/ton of chips. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 9.13.3.1, Table 9.13.3-2 (1/95). The maximum production is 0.354 ton chip/hr. Compliance with the hourly emission limitation shall be determined by multiplying the emission factor of 1.6 lbs PE/ton of chips x 0.302 ton chips/hr.

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing natural gas.

Emissions Limitation:

NOx emissions shall not exceed 0.7 lb/hr and 3.07 tons/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 100 lbs of NOx/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.006 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

Emissions Limitation:

NOx emissions shall not exceed 0.7 lb/hr and 3.07 tons/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 100 lbs of NOx/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.006 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1 (7/98).

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

Emissions Limitation:

VOC emissions shall not exceed 0.05 lb/hr and 0.22 ton/year.

Applicable Compliance Methods:

When firing natural gas, compliance shall be determined by multiplying an emission factor of 5.5 lbs of VOC/mm cu. ft. by the emissions unit's maximum hourly natural gas firing rate (0.006 mm cu. ft./hr). The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98).

The emission factor is 0.02 lb VOC/ton of chips with the oil mist eliminator. The emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 9.13.3.1, Table 9.13.3-3 (1/95). The maximum production is 0.302 ton chip/hr. Compliance with the hourly emission limitation shall be determined by multiplying the emission factor of 0.02 lb VOC/ton of chips x 0.302 ton chips/hr.

Compliance with the annual emission limit shall be determined by multiplying the above- calculated hourly emission rate by 8,760 hours per year and multiplying the result by the conversion factor of 1.0 ton/2000 lbs.

If required, the permittee shall demonstrate compliance with the lbs/hr emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7 while firing natural gas.

F. Miscellaneous Requirements

1. None