

Facility ID: 1318118416 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 P001](#)

[Go to Part II for Emissions Unit P002](#)

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

Facility ID: 1318118416 Emissions Unit ID: P001 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>
P001 - Thermal coffee roaster 1 controlled by a cyclone and thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 13-04381 issued 11/26/2004)	Particulate emissions (PE) from this emissions unit shall not exceed 0.09 lb PE/hour and 0.4 ton PE/year.
		Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 0.04 lb VOC/hour and 0.2 ton VOC/year.
		Carbon monoxide (CO) emissions from this emissions unit shall not exceed 0.42 lb CO/hour and 1.9 ton CO/year.
		Opacity restriction (see A.2.a)
	OAC rule 3745-17-07(A)(1)	The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The particulate emission limitation specified by this rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-08(B)	See A.2.c below.

2. **Additional Terms and Conditions**
 - (a) Visible particulate emissions from the exhaust stack(s) for this emissions unit shall not exceed 5% opacity as a 6-minute average. The hourly and annual emission limits are established at the emissions unit's potential to emit; therefore, monitoring, record keeping, and reporting are not needed for the emission limits. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The minimum combustion temperature within the thermal incinerator, when the emissions unit is in operation, shall not be less than 1100 degrees Fahrenheit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the combustion temperature within the thermal incinerator when the emissions unit is in operation. The temperature of the thermal incinerator shall be checked and recorded at least once per day while the emissions unit is in operation.

D. Reporting Requirements

1. The permittee shall submit the deviation (excursion) reports in accordance with the General Terms and Conditions of this permit.

2. The permittee shall submit quarterly deviation (excursion) reports to the Cleveland Division of Air Quality which identify each day during which the combustion temperature within the thermal incinerator, while the emissions unit is in operation, does not comply with the minimum temperature limitation specified above.

E. Testing Requirements

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

Emissions Limitation:
PE from this emissions unit shall not exceed 0.09 lb PE/hr.

Applicable Compliance Method:
Compliance with the hourly PE emission limitation shall be determined using the emission factor for coffee roasting operations in AP-42, Chapter 9.13.2 (Coffee Roasting), Fifth Edition, dated 9/1995. The controlled emission factor, 0.12 lb PE/ton for coffee roasting, shall be multiplied by the maximum process weight rate in tons/hour.

If required, compliance shall be determined through performance testing using U.S. EPA Methods 1-5.
Emissions Limitation:
PE from this emissions unit shall not exceed 0.4 ton PE/yr.

Applicable Compliance Method:
The annual emission limitation was established by multiplying the hourly emissions rate by 8760 hours of operation per year and dividing by 2000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.
Emissions Limitation:
VOC emissions from this emissions unit shall not exceed 0.04 lb VOC/hr.

Applicable Compliance Method:
Compliance with the hourly VOC emission limitation shall be determined using the emission factor for coffee roasting operations in AP-42, Chapter 9.13.2 (Coffee Roasting), Fifth Edition, dated 9/1995. The controlled emission factor, 0.047 lb VOC/ton for coffee roasting, shall be multiplied by the maximum process weight rate in tons/hour.

If required, compliance shall be determined through performance testing using U.S. EPA Methods 1-4 and 25 or 25A.
Emissions Limitation:
VOC emissions from this emissions unit shall not exceed 0.02 ton VOC/yr.

Applicable Compliance Method:
The annual emission limitation was established by multiplying the hourly emissions rate by 8760 hours of operation per year and dividing by 2000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.
Emissions Limitation:
CO emissions from this emissions unit shall not exceed 0.42 lb CO/hour.

Applicable Compliance Method:
Compliance with the hourly CO emission limitation shall be determined using the emission factor for coffee roasting operations in AP-42, Chapter 9.13.2 (Coffee Roasting), Fifth Edition, dated 9/1995. The controlled emission factor, 0.55 lb CO/ton for coffee roasting, shall be multiplied by the maximum process weight rate in tons/hour.

If required, compliance shall be determined through performance testing using U.S. EPA Methods 1-4 and Method 10.
Emissions Limitation:
CO emissions from this emissions unit shall not exceed 1.9 ton CO/year.

Applicable Compliance Method:
The annual emission limitation was established by multiplying the hourly emissions rate by 8760 hours of operation per year and dividing by 2000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.
Emission Limitation:
Visible PE from the exhaust stack(s) for this emissions unit shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through the visible emissions 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).

F. Miscellaneous Requirements

1. The operation of this emissions unit shall not cause a nuisance in accordance with OAC rule 3745-15-07.

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Facility ID: 1318118416 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 Thermal coffee roaster 2 controlled by a cyclone and thermal incinerator	OAC rule 3745-31-05(A)(3) (PTI 13-04381 issued 11/26/2004)	Particulate emissions (PE) from this emissions unit shall not exceed 0.09 lb PE/hour and 0.4 ton PE/year. Volatile organic compound (VOC) emissions from this emissions unit shall not exceed 0.04 lb VOC/hour and 0.2 ton VOC/year. Carbon monoxide (CO) emissions from this emissions unit shall not exceed 0.42 lb CO/hour and 1.9 ton CO/year.
	OAC rule 3745-17-07(A)(1)	Opacity restriction (see A.2.a) The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The particulate emission limitation specified by this rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-08(B)	See A.2.c below.

2. Additional Terms and Conditions

- (a) Visible particulate emissions from the exhaust stack(s) for this emissions unit shall not exceed 5% opacity as a 6-minute average.
The hourly and annual emission limits are established at the emissions unit's potential to emit; therefore, monitoring, record keeping, and reporting are not needed for the emission limits.
The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The minimum combustion temperature within the thermal incinerator, when the emissions unit is in operation, shall not be less than 1100 degrees Fahrenheit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the combustion temperature within the thermal incinerator when the emissions unit is in operation. The temperature of the thermal incinerator shall be checked and recorded at least once per day while the emissions unit is in operation.

D. Reporting Requirements

1. The permittee shall submit the deviation (excursion) reports in accordance with the General Terms and Conditions of this permit.
2. The permittee shall submit quarterly deviation (excursion) reports to the Cleveland Division of Air Quality which identify each day during which the combustion temperature within the thermal incinerator, while the emissions unit is in operation, does not comply with the minimum temperature limitation specified above.

E. Testing Requirements

1. Compliance with the emissions limitation(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emissions Limitation:
PE from this emissions unit shall not exceed 0.09 lb PE/hr.

Applicable Compliance Method:
Compliance with the hourly PE emission limitation shall be determined using the emission factor for coffee roasting operations in AP-42, Chapter 9.13.2 (Coffee Roasting), Fifth Edition, dated 9/1995. The controlled emission factor, 0.12 lb PE/ton for coffee roasting, shall be multiplied by the maximum process weight rate in tons/hour.

If required, compliance shall be determined through performance testing using U.S. EPA Methods 1-5.
Emissions Limitation:

PE from this emissions unit shall not exceed 0.4 ton PE/yr.

Applicable Compliance Method:

The annual emission limitation was established by multiplying the hourly emissions rate by 8760 hours of operation per year and dividing by 2000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.

Emissions Limitation:

VOC emissions from this emissions unit shall not exceed 0.04 lb VOC/hr.

Applicable Compliance Method:

Compliance with the hourly VOC emission limitation shall be determined using the emission factor for coffee roasting operations in AP-42, Chapter 9.13.2 (Coffee Roasting), Fifth Edition, dated 9/1995. The controlled emission factor, 0.047 lb VOC/ton for coffee roasting, shall be multiplied by the maximum process weight rate in tons/hour.

If required, compliance shall be determined through performance testing using U.S. EPA Methods 1-4 and 25 or 25A.

Emissions Limitation:

VOC emissions from this emissions unit shall not exceed 0.02 ton VOC/yr.

Applicable Compliance Method:

The annual emission limitation was established by multiplying the hourly emissions rate by 8760 hours of operation per year and dividing by 2000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.

Emissions Limitation:

CO emissions from this emissions unit shall not exceed 0.42 lb CO/hour.

Applicable Compliance Method:

Compliance with the hourly CO emission limitation shall be determined using the emission factor for coffee roasting operations in AP-42, Chapter 9.13.2 (Coffee Roasting), Fifth Edition, dated 9/1995. The controlled emission factor, 0.55 lb CO/ton for coffee roasting, shall be multiplied by the maximum process weight rate in tons/hour.

If required, compliance shall be determined through performance testing using U.S. EPA Methods 1-4 and Method 10.

Emissions Limitation:

CO emissions from this emissions unit shall not exceed 1.9 ton CO/year.

Applicable Compliance Method:

The annual emission limitation was established by multiplying the hourly emissions rate by 8760 hours of operation per year and dividing by 2000 pounds per ton. Therefore, compliance with the annual emission limitation shall be assumed provided compliance is maintained with the pounds per hour limitation.

Emission Limitation:

Visible PE from the exhaust stack(s) for this emissions unit shall not exceed 5% opacity as a 6-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through the visible emissions 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).

F. Miscellaneous Requirements

1. The operation of this emissions unit shall not cause a nuisance in accordance with OAC rule 3745-15-07.