

Facility ID: 0278080052 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 B004](#)
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Facility ID: 0278080052 Emissions Unit ID: B004 Issuance type: Final State Permit To Operate

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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>
61.8 mmBtu/hr Cleaver Brooks, natural gas fired boiler (Boiler #3)	OAC rule 3745-31-05(A)(3) PTI No. 02-9013	0.020 lb particulate emissions (PE) per MMBtu heat input and 5.42 tons per year PE
		0.14 lb nitrogen oxides (NOx) per MMBtu heat input and 38.0 tons per year NOx
		0.035 lb carbon monoxide (CO) per MMBtu heat input and 9.5 tons per year CO
	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	The emission limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06	See A.2a.

2. Additional Terms and Conditions

- (a) This emissions unit is exempt from the SO2 emission limitations specified in paragraphs (D), (F), and (G) of OAC rule 3745-18-06 because natural gas is the only fuel burned.

B. Operational Restrictions

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

C. Monitoring and/or Record Keeping Requirements

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

D. Reporting Requirements

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

E. Testing Requirements

1. Compliance with the emissions limitation(s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 Emission Limitation -
 0.020 lb PE per MMBtu of heat input and 5.42 tpy PE

Applicable Compliance Method -
 Multiply the particulate emissions factor of 1.9 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.)

Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation -
0.14 lb NOx per MMBtu of heat input and 38.0 tpy NOx

Applicable Compliance Method -
Multiply the NOx emission factor of 140 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.)

Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation -
0.035 lb CO per MMBtu of heat input and 9.5 tpy CO

Applicable Compliance Method -
Multiply the CO emission factor of 35 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.)

Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation -
20% opacity as a six-minute average, except as provided by rule

Applicable Compliance Method -
OAC rule 3745-17-03(B)(1), if required.

F. Miscellaneous Requirements

- 1. None

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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>
14.9 mmBtu/hr Keeler, natural gas fired boiler (Boiler #1-A)	OAC rule 3745-31-05(A)(3) PTI No. 02-9013	0.020 lb particulate emissions (PE) per MMBtu heat input and 1.3 tons per year PE
		0.14 lb nitrogen oxides (NOx) per MMBtu heat input and 9.2 tons per year NOx
		0.035 lb carbon monoxide (CO) per MMBtu heat input and 2.3 tons per year CO
	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	The emission limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06	See A.2.a.

- 2. **Additional Terms and Conditions**
 - (a) This emissions unit is exempt from the SO2 emission limitations specified in paragraphs (D), (F), and (G) of OAC rule 3745-18-06 because natural gas is the only fuel burned.

B. Operational Restrictions

1. The permittee shall combust only natural gas in this emissions unit.
- C. Monitoring and/or Record Keeping Requirements**
1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- D. Reporting Requirements**
1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- E. Testing Requirements**
1. Compliance with the emissions limitation(s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation -
0.020 lb PE per MMBtu of heat input and 1.3 tpy PE

Applicable Compliance Method -
Multiply the particulate emissions factor of 1.9 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.)

Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation -
0.14 lb NOx per MMBtu of heat input and 9.2 tpy NOx

Applicable Compliance Method -
Multiply the NOx emission factor of 140 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.)

Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation -
0.035 lb CO per MMBtu of heat input and 2.3 tpy CO

Applicable Compliance Method -
Multiply the CO emission factor of 35 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.)

Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton.

Emission Limitation -
20% opacity as a six-minute average, except as provided by rule

Applicable Compliance Method -
OAC rule 3745-17-03(B)(1), if required.
- F. Miscellaneous Requirements**
1. None

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Facility ID: 0278080052 Emissions Unit ID: B009 Issuance type: Final State Permit To Operate

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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.

Applicable Emissions Limitations/Control

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Measures</u>
14.9 mmBtu/hr Keeler, natural gas fired boiler (Boiler #1-B)	OAC rule 3745-31-05(A)(3) PTI No. 02-9013	0.020 lb particulate emissions (PE) per MMBtu heat input and 1.3 tons per year PE 0.14 lb nitrogen oxides (NOx) per MMBtu heat input and 9.2 tons per year NOx 0.035 lb carbon monoxide (CO) per MMBtu heat input and 2.3 tons per year CO
	OAC rule 3745-17-07	20% opacity as a six-minute average, except as provided by rule
	OAC rule 3745-17-10	The emission limitation specified by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06	See A.2.a.
2. Additional Terms and Conditions		
(a) This emissions unit is exempt from the SO ₂ emission limitations specified in paragraphs (D), (F), and (G) of OAC rule 3745-18-06 because natural gas is the only fuel burned.		
B. Operational Restrictions		
1. The permittee shall combust only natural gas in this emissions unit.		
C. Monitoring and/or Record Keeping Requirements		
1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.		
D. Reporting Requirements		
1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.		
E. Testing Requirements		
1. Compliance with the emissions limitation(s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s): Emission Limitation - 0.020 lb PE per MMBtu of heat input and 1.3 tpy PE Applicable Compliance Method - Multiply the particulate emissions factor of 1.9 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.) Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton. Emission Limitation - 0.14 lb NOx per MMBtu of heat input and 9.2 tpy NOx Applicable Compliance Method - Multiply the NOx emission factor of 140 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.) Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton. Emission Limitation - 0.035 lb CO per MMBtu of heat input and 2.3 tpy CO Applicable Compliance Method - Multiply the CO emission factor of 35 pounds per million cubic feet of natural gas combusted by the inverse of the heat content of the natural gas, in Btu per cubic foot, as supplied by the gas supplier. (The emission factor is from AP - 42, Table 1.4 -1.) Annual emissions shall be determined by multiplying the emission rate determined above in lb/mmBtu x the rated capacity of the emissions unit in mmBtu/hr x 8760 hrs/yr and dividing by 2000 lbs/ton. Emission Limitation - 20% opacity as a six-minute average, except as provided by rule Applicable Compliance Method - OAC rule 3745-17-03(B)(1), if required.		
F. Miscellaneous Requirements		
1. None		