

Facility ID: 1652100011 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 P015](#)

[Go to Part II for Emissions Unit P016](#)

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

Facility ID: 1652100011 Emissions Unit ID: P015 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> |
|---|--------------------------------------|---|
| Binder Burnout Oven #3 | PTI #16-1545 | 0.001 lb/hr sulfur dioxide 0.14 lb/hr nitrogen oxides 0.03 lb/hr carbon monoxide 37.4 lbs/day volatile organic compounds |
| | OAC 3745-17-07 | |
| | OAC 3745-17-11 | 0.018 lb/hr particulate matter |
| | OAC 3745-18-06 | |

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

B. Operational Restrictions

1. The oven shall only be fired with natural gas.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of all preventive maintenance activities, inspections, and repairs involving this emissions unit.

D. Reporting Requirements

1. The permittee shall submit, within 180 days of the effective date of this permit, a preventive maintenance program for this binder burnout oven which shall include, as a minimum, the following:
 - a. a description of the parameters related to the efficient operation of the oven;
 - b. an inspection schedule (i.e., weekly, monthly, quarterly) that includes a detailed description of inspection procedures and items inspected;
 - c. a typical parts replacement schedule;
 - d. a current spare parts inventory, along with procedures for maintaining an adequate inventory;
 - e. a description of the training provided to in-house personnel on the operation, inspection, and repair of the oven; and
 - f. the substantive details of any long term preventive maintenance or repair contracts awarded to outside contractors.
2. The permittee shall report, within 30 days of occurrence, any changes in oven cycle, parameters related to the efficient operation of the oven, and type of materials supplied to the oven that deviate from the conditions present at the April 1, 1994 emission testing of binder burnout oven #1.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in

accordance with the following methods:
Emission Limitation:

0.018 lb/hr particulate matter

Applicable Compliance Method:

Multiply the particulate emissions factor of 11.9 pounds of particulate emissions per million cubic feet by the maximum million cubic feet of natural gas fired per hour. Also, emission tests may be required in the future pursuant to OAC rule 3745-17-03(B)(10).
Emission Limitation:

0.001 lb/hr sulfur dioxide

Applicable Compliance Method:

Multiply the sulfur dioxide emissions factor of 0.6 pound of sulfur dioxide emissions per million cubic feet of natural gas by the maximum million cubic feet of natural gas fired per hour.
Emission Limitation:

0.14 lb/hr nitrogen oxides

Applicable Compliance Method:

Multiply the nitrogen oxides emissions factor of 100 pounds of nitrogen oxides emissions per million cubic feet by the maximum million cubic feet of natural gas fired per hour.
Emission Limitation:

0.03 lb/hr carbon monoxide

Applicable Compliance Method:

Multiply the carbon monoxide emissions factor of 21 pounds of carbon monoxide emissions per million cubic feet by the maximum million cubic feet of natural gas fired per hour.
Emission Limitation:

37.4 lbs/day volatile organic compounds

Applicable Compliance Method:

Emission tests may be required in the future in accordance with the procedures and requirements in Methods 1-4, 18 and 25 of 40 CFR Part 60, Appendix A. The need for emission tests will be determined through facility inspections and/or a significant change in oven operations.

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> |
|---|--------------------------------------|---|
| Binder Burnout Oven #4 | PTI #16-1545 | 0.001 lb/hr sulfur dioxide 0.14 lb/hr nitrogen oxides 0.03 lb/hr carbon monoxide 37.4 lbs/day volatile organic compounds |

OAC 3745-17-07

0.018 lb/hr particulate matter

OAC 3745-17-11

OAC 3745-18-06

2. Additional Terms and Conditions

(a) None

B. Operational Restrictions

1. The oven shall only be fired with natural gas.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain records of all preventive maintenance activities, inspections, and repairs involving this emissions unit.

D. Reporting Requirements

1. The permittee shall submit, within 180 days of the effective date of this permit, a preventive maintenance program for this binder burnout oven which shall include, as a minimum, the following:

- a. a description of the parameters related to the efficient operation of the oven;
- b. an inspection schedule (i.e., weekly, monthly, quarterly) that includes a detailed description of inspection procedures and items inspected;
- c. a typical parts replacement schedule;
- d. a current spare parts inventory, along with procedures for maintaining an adequate inventory;
- e. a description of the training provided to in-house personnel on the operation, inspection, and repair of the oven; and
- f. the substantive details of any long term preventive maintenance or repair contracts awarded to outside contractors.

2. The permittee shall report, within 30 days of occurrence, any changes in oven cycle, parameters related to the efficient operation of the oven, and type of materials supplied to the oven that deviate from the conditions present at the April 1, 1994 emission testing of binder burnout oven #1.

E. Testing Requirements

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

Emission Limitation:

0.018 lb/hr particulate matter

Applicable Compliance Method:

Multiply the particulate emissions factor of 11.9 pounds of particulate emissions per million cubic feet by the maximum million cubic feet of natural gas fired per hour. Also, emission tests may be required in the future pursuant to OAC rule 3745-17-03(B)(10).

Emission Limitation:

0.001 lb/hr sulfur dioxide

Applicable Compliance Method:

Multiply the sulfur dioxide emissions factor of 0.6 pound of sulfur dioxide emissions per million cubic feet by the maximum million cubic feet of natural gas fired per hour.

Emission Limitation:

0.14 lb/hr nitrogen oxides

Applicable Compliance Method:

Multiply the nitrogen oxides emissions factor of 100 pounds of nitrogen oxides emissions per million cubic feet by the maximum million cubic feet of natural gas fired per hour.

Emission Limitation:

0.03 lb/hr carbon monoxide

Applicable Compliance Method:

Multiply the carbon monoxide emissions factor of 21 pounds of carbon monoxide emissions per million cubic feet by the maximum million cubic feet of natural gas fired per hour.

Emission Limitation:

37.4 lbs/day volatile organic compounds

Applicable Compliance Method:

Emission tests may be required in the future in accordance with the procedures and requirements in Methods 1-4, 18 and 25 of 40 CFR Part 60, Appendix A. The need for emission tests will be determined through facility

inspections and/or a significant change in oven operations.

F. **Miscellaneous Requirements**

1. None