

Facility ID: 0536010028 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.

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Facility ID: 0536010028 Emissions Unit ID: B001 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>
4.801 MMBTU/hr Natural gas and Wood Fired Boiler	OAC rule 3745-17-10(B)(1)	0.02 lb PE per MMBTU Heat Input , when natural gas is employed as a fuel.
	OAC rule 3745-17-10(C)(2)	0.60 lbs PE per MMBTU Heat Input , when wood is employed as a fuel.
	OAC rule 3745-17-07(A)	The Visible PE from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
		(See Section 2.a.)

2. Additional Terms and Conditions

- (a) Except as otherwise provided in paragraphs (A)(2) and (A)(3) of OAC rule 3745-17-07, visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average with the following exception: the permittee may cause or allow the discharge into the ambient air from any stack associated with this emissions unit, for not more than 6 consecutive minutes in any 60 minutes, air contaminants of a shade or density not greater than 27 percent opacity, as a 6-minute average.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. None

D. Reporting Requirements

1. None

E. Testing Requirements

1. Compliance with the specified emissions limitations in Section A.1. of this permit shall be demonstrated in accordance with the following methods:
 Emission Limitation:
 Particulate emissions of 0.02 lb PE per MMBTU heat input.
 Applicable Compliance Method:
 OAC 3745-17-10(B)(1), which limits the particulate emissions to 0.02 lbs per MMBTU, for gaseous fuel burning equipment.
 If required, the permittee shall demonstrate compliance with allowable emission limitation above based on the results of emission testing conducted in accordance with the following Methods 1 - 5 of 40 CFR Part 60, Appendix A.
 Emission Limitation:

Compliance with the 0.60 lb PE per MMBTU heat input, when wood is employed as a fuel, emission limitation may be determined as follows:

Applicable Compliance Method:

OAC 3745-17-10(C)(2) Figure I, curve P-2, which limits the particulate emissions to 0.60 lbs per MMBTU, for gaseous fuel burning equipment.

If required, the permittee shall demonstrate compliance with allowable emission limitation above based on the results of emission testing conducted in accordance with the following Methods 1 - 5 of 40 CFR Part 60, Appendix A.

Emission limitations:

The Visible PE from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

(See Section 2.a.)

Compliance shall be determined through 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).
OAC 3745-17-07(C)

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0536010028 Emissions Unit ID: R003 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>
Wood Spray Booth- R003 with dry filters	OAC rule 3745-21-07(G)(2)	The organic compound (OC) emissions on days when photochemically reactive material (PRM) employed shall not exceed 8 lbs/hr nor 40 lbs/day.
	OAC 3745-17-11(B)(3) Figure II curve P-3	The particulate emissions from this emissions unit from the overspray shall not exceed 2.0 lbs/hr.
	OAC rule 3745-17-07(A)	The Visible PE from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

(See Section 2.a.)

- 2. **Additional Terms and Conditions**
 - (a) Except as otherwise provided in paragraphs (A)(2) and (A)(3) of OAC rule 3745-17-07, visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average with the following exception: the permittee may cause or allow the discharge into the ambient air from any stack associated with this emissions unit, for not more than 6 consecutive minutes in any 60 minutes, air contaminants of a shade or density not greater than 27 percent opacity, as a 6-minute average.

B. Operational Restrictions

- 1. None

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information for each day that photochemically reactive material* are employed in this emissions unit:

- a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).
- [Note: OAC rule 2745-21-01(C)(5) "Photochemically reactive material" means any liquid organic material with an aggregate of more than twenty percent of its total volume composed of the chemical compounds classified below or which exceed any of the following individual percentage composition limitations, referred to the total volume of liquid:

- (a) A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic type of unsaturation except perchloroethylene: five percent;
- (b) A combination of aromatic hydrocarbons with eight or more carbon atoms to the molecule except ethylbenzene: eight percent;
- (c) A combination of ethylbenzene, ketones having branched hydrocarbon structures, trichloroethylene or toluene: twenty percent.

Whenever any organic material or any constituent of an organic material may be classified from its chemical structure into more than one of the above groups of organic compounds, it shall be considered as a member of the most reactive chemical group, that is, that group having the least allowable percent of the total volume of liquid.]

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the specified emissions limitations in Section A.1. of this permit shall be demonstrated in accordance with the following methods:
Emission Limitation:

The organic compound (OC) emissions of 8 lbs/hr nor 40 lbs/day on days when photochemically reactive material (PRM) employed .

Applicable Compliance Method:

Compliance with the above OC emission limitations shall be determined by the record keeping in Section C.1.f. of these T&C's.
Emission Limitation:

The particulate emissions 2.0 lbs/hr.

Applicable Compliance Method:

Compliance with the emission limitation may be determined as follows:

OAC 3745-17-11(B)(3) Figure II curve P-3 limits the allowable emissions to at least 2.0 lbs per hour for process emissions units which have an uncontrolled particulate emission rate of 10 lbs per hour or greater. The potential uncontrolled particulate emissions from this emissions unit is estimated at 0.74 lbs/hr.

If required, the permittee shall demonstrate compliance with allowable emission limitation above based on the results of emission testing conducted in accordance with the following Methods 1 - 5 of 40 CFR Part 60, Appendix A.
Visible particulate emissions from the roof vent(s) shall not exceed 20% percent opacity as a six-minute average.

Applicable Compliance Method

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).

F. Miscellaneous Requirements

1. None

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Facility ID: 0536010028 Emissions Unit ID: R004 Issuance type: Final State Permit To Operate

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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>
Wood Spray Booth- R004 with dry filters	OAC rule 3745-21-07(G)(2) OAC 3745-17-11(B)(3) Figure II curve P-3 OAC rule 3745-17-07(A)	The organic compound (OC) emissions on days when photochemically reactive material (PRM) employed shall not exceed 8 lbs/hr nor 40 lbs/day. The particulate emissions from this emissions unit from the overspray shall not exceed 2.0 lbs/hr. The Visible PE from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule. (See Section 2.a.)

2. **Additional Terms and Conditions**
 - (a) Except as otherwise provided in paragraphs (A)(2) and (A)(3) of OAC rule 3745-17-07, visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average with the following exception: the permittee may cause or allow the discharge into the ambient air from any stack associated with this emissions unit, for not more than 6 consecutive minutes in any 60 minutes, air contaminants of a shade or density not greater than 27 percent opacity, as a 6-minute average.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day that photochemically reactive material* are employed in this emissions unit:
 - a. the company identification for each coating and photochemically reactive cleanup material employed;
 - b. the number of gallons of each coating and photochemically reactive cleanup material employed;
 - c. the organic compound content of each coating and photochemically reactive cleanup material, in pounds per gallon;
 - d. for each day during which a photochemically reactive material is employed, the total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day;
 - e. for each day during which a photochemically reactive material is employed, the total number of hours the emissions unit was in operation; and
 - f. for each day during which a photochemically reactive material is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (d)/(e), in pounds per hour (average).

[Note: OAC rule 2745-21-01(C)(5) "Photochemically reactive material" means any liquid organic material with an aggregate of more than twenty percent of its total volume composed of the chemical compounds classified below or which exceed any of the following individual percentage composition limitations, referred to the total volume of liquid:

 - (a) A combination of hydrocarbons, alcohols, aldehydes, esters, ethers or ketones having an olefinic or cyclo-olefinic type of unsaturation except perchloroethylene: five percent;
 - (b) A combination of aromatic hydrocarbons with eight or more carbon atoms to the molecule except ethylbenzene: eight percent;
 - (c) A combination of ethylbenzene, ketones having branched hydrocarbon structures, trichloroethylene or toluene: twenty percent.

Whenever any organic material or any constituent of an organic material may be classified from its chemical structure into more than one of the above groups of organic compounds, it shall be

considered as a member of the most reactive chemical group, that is, that group having the least allowable percent of the total volume of liquid.]

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include the following information:
 - a. for the days during which a photochemically reactive material was employed, an identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly organic compound emissions for each such day; and
 - b. for the days during which a photochemically reactive material was employed, an identification of each day during which the organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual organic compound emissions for each such day.

The quarterly deviation reports shall be submitted in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the specified emissions limitations in Section A.1. of this permit shall be demonstrated in accordance with the following methods:
Emission Limitation:

The organic compound (OC) emissions of 8 lbs/hr nor 40 lbs/day on days when photochemically reactive material (PRM) employed .

Applicable Compliance Method:

Compliance with the above OC emission limitations shall be determined by the record keeping in Section C.1.f. of these T&C's.

Emission Limitation:

The particulate emissions 2.0 lbs/hr.

Applicable Compliance Method:

Compliance with the emission limitation may be determined as follows:

OAC 3745-17-11(B)(3) Figure II curve P-3 limits the allowable emissions to at least 2.0 lbs per hour for process emissions units which have an uncontrolled particulate emission rate of 10 lbs per hour or greater. The potential uncontrolled particulate emissions from this emissions unit is estimated at 0.74 lbs/hr.

If required, the permittee shall demonstrate compliance with allowable emission limitation above based on the results of emission testing conducted in accordance with the following Methods 1 - 5 of 40 CFR Part 60, Appendix A.

Visible particulate emissions from the roof vent(s) shall not exceed 20% percent opacity as a six-minute average.

Applicable Compliance Method

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).

F. Miscellaneous Requirements

1. None