

Facility ID: 1431483454 Issuance type: Final State Permit To Operate

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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.

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

Facility ID: 1431483454 Emissions Unit ID: R002 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 and Metal Products Paint Booth	OAC rule 3745-31-05 See F.1.	See A.2. below.
	OAC rule 3745-17-07(A) See F.1.	Visible particulate matter (PM) emissions shall not exceed 20% percent opacity, as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11(A)(1) See F.1.	Particulate emissions shall not exceed 0.551 lb/hr and 2.41 TPY.
	OAC rule 3745-21-07(G)(2) See F.1.	See A.2.2.a. below.
	OAC rule 3745-21-09(U)(1) See F.1.	None - exempt pursuant to OAC rule 3745-21-09(U)(2)(f)(ii). (See A.2.2.b. and c. below.)

2. Additional Terms and Conditions

- (a) On any day when coating wood products and employing photochemically reactive materials [as defined in OAC rule 3745-21-01(C)(5)] organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day.
When coating metal products OC emissions shall not exceed the following:
 - Coatings 70.0 lbs/day
 - Cleanup 14.4 lbs/day
 The total combined OC emissions from emissions units R001 and R002, for all coatings and cleanup materials employed, shall not exceed 105 lbs/day and 10.6 tons/year.

B. Operational Restrictions

1. The total combined OC emissions from emissions units R001 and R002, for all coatings and cleanup materials employed, shall not exceed 105 lbs/day and 10.6 tons/year.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information when coating wood products and employing any photochemically reactive materials (coating and/or cleanup material) during the day for said products:
 - a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and photochemically reactive cleanup material employed.
 - c. The number of gallons of each non-photochemically reactive cleanup material employed.
 - d. The OC content of each coating and cleanup material employed, in lbs/gallon.
 - e. The OC emissions from each coating and photochemically reactive cleanup material employed, i.e., (b)(d), in pounds.
 - f. The total OC emissions from all coatings and photochemically reactive cleanup materials, i.e., the sum of (e) for all coatings and photochemically reactive cleanup materials employed, in pounds.
 - g. The total number of hours the emissions unit was in operation.

- h. The hourly OC emission rate, i.e., (f)/(g), in pounds per hour (average).
 - i. The OC emissions from all non-photochemically reactive cleanup materials employed, i.e., the sum of (c)(d) for all such materials, in pounds.
 - j. The total OC emissions from this emissions unit, i.e., (f) + (i), in pounds.
 - k. The total gallons of all cleanup materials employed.
2. The permittee shall maintain daily records of the following information when coating wood products and not employing any photochemically reactive materials (coating and/or cleanup material) during the day for said products:
- a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.
 - c. The OC content of each coating and cleanup material employed, in lbs/gallon.
 - d. The OC emissions from each coating and cleanup material employed, i.e., (b)(c), in pounds.
 - e. The total OC emissions from this emissions unit, i.e., the sum of (d) for all coatings and cleanup materials employed, in pounds.
 - f. The total gallons of all cleanup materials employed.
3. The permittee shall maintain daily records of the following information when coating metal products:
- a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.
 - c. The OC content of each coating and cleanup material employed, in pounds per gallon.
 - d. The OC emissions from each coating and cleanup material employed, i.e., (b)(c), in pounds.
 - e. The OC emissions from all coatings, i.e., the sum of (d) for all coatings employed, in pounds.
 - f. The OC emissions from all cleanup materials, i.e., the sum of (d) for all cleanup materials employed, in pounds.
 - g. The total OC emissions from this emissions unit, i.e., (e) + (f), in pounds.
 - h. The total gallons of all cleanup materials employed.
4. The permittee shall maintain daily records of the total OC emissions from emission units R001 and R002, i.e., the sum of C.1.j., C.2.e. and C.3.g. above, in pounds.
- D. Reporting Requirements**
1. The permittee shall submit deviation (excursion) reports which include the following information on days when coating wood products and employing any photochemically reactive materials:
- a. An identification of each hour during which the average OC emission rate from the coatings and photochemically reactive cleanup materials exceeded 8 lbs/hr, and the actual average OC emission rate for each such day.
 - b. An identification of each day during which the OC emissions from the coatings and photochemically reactive cleanup materials exceeded 40 lbs/day, and the actual OC emissions for each such day.
2. The permittee shall submit deviation (excursion) reports which include the following information:
- a. An identification of each day in which the OC content of any cleanup material exceeded 7.2 lbs/gallon, and the actual OC content of each cleanup material employed.
 - b. An identification of each day in which the total cleanup material usage exceeded 2 gallons/day, and the actual total cleanup material usage for each such day.
3. The permittee shall submit deviation (excursion) reports which include the following information on days when coating metal products:
- a. An identification of each day during which the OC emissions from the coatings exceeded 70 lbs/day, and the actual OC emissions from the coatings for each such day.
 - b. An identification of each day during which the OC emissions from the cleanup materials exceeded 14.4 lbs/day, and the actual OC emissions from the cleanup materials for each such day.
4. The permittee shall submit deviation (excursion) reports which include an identification of each day in which the OC emissions from emission units R001 and R002 exceeded 105 lbs/day, and the actual OC emissions from emission units R001 and R002 for each such day.
5. The permittee shall submit annual reports which summarize the total gallons of cleanup materials employed and the total OC emissions in tons from emissions units R001 and R002. These reports shall be submitted by February 15th of each year and shall cover the previous calendar year.
- E. Testing Requirements**

1. The OC content of all coatings and/or cleanup materials shall be determined by USEPA Method 24. If, pursuant to section 4.3 of Method 24, 40 CFR Part 60, Appendix A, an owner or operator determines that Method 24 cannot be used for a particular coating or cleanup material, the permittee shall so notify the Administrator of the USEPA and shall use formulation data for that coating or cleanup material to demonstrate compliance until the USEPA provides alternative analytical procedures or alternative precision statements for Method 24.
2. Compliance with the OC emission limitations in section A.2.a of this permit shall be determined by the record keeping requirements in section C.1. of this permit.
3. Compliance with the OC emission limitations in section A.2.b. of this permit shall be determined by the record keeping requirements in section C.3. of this permit.
4. Compliance with the daily OC emission limit in section A.2.c. of this permit shall be determined by the record keeping requirement in section C.1. - C.4. of this permit.
5. Compliance with the cleanup material usage limit shall be demonstrated by the record keeping requirements in sections C.1. - C.3. of this permit.
6. Compliance with the visible PM emission limit in section A.1. of this permit shall be determined in accordance with the method and procedures in OAC rule 3745-17-03(B)(3).
7. Emission Limitation-
0.551 lb/hr particulate

Applicable Compliance Method-
To determine the actual worst case emission rate for particulate matter, the following equation shall be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} \times (1-TE) \times (1-CE)$$

where,

$$E = \text{particulate matter emissions rate (lbs/hr)}$$

$$TE = \text{transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used}$$

$$CE = \text{control efficiency of the control equipment}$$

F. **Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in the permit to install number 14-4329 as issued on 05/28/97:

Part II: Special Terms and Conditions, A-E.