

Facility ID: 1431340131 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.

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

Facility ID: 1431340131 Emissions Unit ID: P008 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>
batching process, with cyclone	OAC rule 3745-31-05 (PTI 14-2589)	0.4 lb/hr of particulate emissions (PE) 1.75 TPY of PE
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-07(A)(1)	See A.2. Visible PE from any stack shall not exceed 20% percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(1)	The PE limitation specified by this rule is less stringent than the hourly emission limitation established pursuant to OAC rule 3745-31-05.

2. Additional Terms and Conditions

- (a) The hourly emission limitation specified above is based upon the emissions unit's potential to emit. Therefore, no hourly records are required to determine compliance with this limit. The particulate emissions from this emissions unit shall be vented to a high efficiency cyclone with an overall (capture and control) efficiency of 99 % by weight.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

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

determined in accordance with the following methods:

Emission Limitation:

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

Applicable Compliance Method:

Compliance with the visible particulate emission limitation shall be determined in accordance with the test method specified in OAC rule 3745-17-03(B)(1).

Emission Limitation:

0.4 lb/hr of PE, 1.75 TPY of PE

Applicable Compliance Method:

The permittee shall determine compliance with the hourly PE limitation based upon either the results of emission testing conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A, or use of the following formula:

$$PE \text{ (lbs/hr)} = 20 \text{ lbs of PE/ton of product} * \text{ maximum tons of product/hr} \times (1 - 0.99^{**})$$

Compliance with the annual emission limitation is ensured as long as compliance with the hourly emission limitation is maintained (the annual emission limitation was calculated by multiplying the hourly emission limitation by 8760 and dividing by 2000).

* This is an emission factor from AP-42, Fifth Edition, Vol. 1, Table 6.4-1 (paint manufacturing), 5/83 (reformatted 1/95) (however, this emission factor shall be revised based on the results of the most recent emission testing that demonstrated the emissions unit was in compliance (see Section E.2)).

** The overall control efficiency is estimated to be 99% (however, this control efficiency shall be revised based on the results of the most recent emission testing that demonstrated the emissions unit was in compliance (see Section E.2)).

Emission Limitation:

99% overall control efficiency, by weight, for PE

Applicable Compliance Method:

Compliance with the overall PE control efficiency limitation shall be determined in accordance with the methods identified in Section E.2 of this permit.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 2.5 years after issuance of this and within 6 months prior to expiration of this permit.

b. The emission testing shall be conducted to demonstrate compliance with the control efficiency limitation of not less than 99%, by weight, for PE and the hourly PE limitation.

c. The following test methods shall be employed to demonstrate compliance with the allowable PE emission rate and control efficiency:

Methods 1-5 of 40 CFR, Part 60, Appendix A

The control efficiency (i.e., the percent reduction in PE between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in 40 CFR, Part 60, Appendix A or the approved alternative test protocol approved on October 25, 1995. The overall control system efficiency for PE shall be the product of the capture efficiency and the removal efficiency of the cyclone. The capture efficiency shall be determined using the test methods specified in 40 CFR, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency as specified in the USEPA Guidelines for Determining Capture Efficiency, dated January 9, 1995. Ohio EPA will consider the request, including an evaluation of the applicability.

3. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time (s) and date(s) of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Hamilton County Department of Environmental Services' refusal to accept the results of the emission tests.

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the tests, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

F. Miscellaneous Requirements

1. None