Facility ID: 0228000194 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: 0228000194 Emissions Unit ID: P004 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P004 - Mixer No. 1056 manufacturing of thermosetting bulk molding compound controlled by a 3,900 ACFM dust collector (baghouse)	OAC rule 3745-17-07 (A)	The limits based on this applicable rule are less stringent than the limits established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-21-07 (G) (2)	The hourly limit based on this applicable rule is less stringent than the hourly limit established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-31-05 (A)(3) PTI No. 02-14756	0.32 pound per hour and 1.40 tons per year of VOC emissions 0.312 pound per hour and 1.37 tons per year of particulate emissions Visible particulate emissions from the control device shall not exceed five percent (5%) opacity as a six-minute average.
	OAC rule 3745-17-11	The limits based on this applicable rule are less stringent than the limits established pursuant to OAC rule 3745-31-05 (A)(3).

2. **Additional Terms and Conditions**

   (a) The permittee shall use a shaking type dust collector with timer, which shall automatically cause the shaking of the dust collector, to control the particulate emissions generated from operating of this emissions unit. All particulate emissions from this emissions unit shall be vented to the dust collector.

B. **Operational Restrictions**

1. None

C. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall properly operate and maintain the timer in the dust collector to automatically shake and clean the dust collector while the emissions unit is in operation. The timer shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall check the timer on a weekly basis.

2. The permittee shall perform weekly 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 operation log:

   a. the color of the emissions;

   b. whether the emissions are representative of normal operations;

   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. the total duration of any visible emission incident; and

e. any corrective actions taken to eliminate the visible emissions.

3. The permittee shall record the following information for this emissions unit each month:

a. The name and identification number of each material employed in this emissions unit.

b. Amount of each material used, including cleanup materials, defined as "AM", in pounds per month.

c. The total operating hours for the month, defined as "OT", in hours per month.

d. The total material usage, including cleanup material, for this emissions unit, defined as "TM", in tons per month. "TM" shall be calculated as follows:

TM = the sum, from i = 1 to i = n of (AM)i, and divided by 2000 pounds per ton

where,
i = subscript denoting an individual material used in this emissions unit
n = the total number of different materials used in this emissions unit

e. The average hourly VOC emissions from this emissions unit, "Hvoc", in pounds per hour, shall be calculated as follows:

Hvoc = (TM)(EF)/(OT)

where,
EF = emission factor, in pounds VOC emissions per ton of material usage, determined by the most recent stack test

D. **Reporting Requirements**

1. The permittee shall submit semiannual written reports which (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 Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit deviation (excursion) report that identify each month during which the average hourly VOC emissions exceeded 0.32 pound, and the actual average hourly VOC emissions for each such month.

3. All deviation (excursion) reports shall be submitted in accordance with section B.3 of the General Terms and Conditions.

E. **Testing Requirements**

1. Compliance with the emission limitation in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation: 0.312 lb/hr of particulates

Applicable Compliance Method:
Compliance shall be determined in accordance with the test methods and procedures in Method 5 of 40 CFR Part 60, Appendix A, if required by Ohio EPA.

b. Emissions Limitation: 0.32 lb/hr of VOC

Applicable Compliance Method:
Compliance shall be determined based upon record keeping requirements specified in section C.3 of these terms and conditions. Also, compliance shall be in accordance with the test methods and procedures in section E.2 of these terms and conditions.

c. Emission Limitation:
1.37 tons/yr of particulates, and
1.40 tons/yr of VOC

Applicable Compliance Method:
The tons per year limitations were developed by multiplying the pound per hour limitations by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds per ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitations.

d. Emission Limitation: 5% opacity as 6-minute average

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03 (B)(1) using the test methods and procedures specified in U.S. EPA Reference Method 9.

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 with 3 months after issuance of the permit and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable hourly mass emission rate for VOC and determine an emission factor for VOC emissions.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for VOC, Method 25 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved test methods may

be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. 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 test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), 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 test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

F. **Miscellaneous Requirements**

1. None