

Facility ID: 1409040837 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: 1409040837 Emissions Unit ID: P013 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>
30 hp high speed disperser with fabric filter	OAC rule 3745-31-05 (PTI 14-4305)	0.08 lb of particulate emissions (PE)/hr 0.073 ton per year (TPY) of PE 7.3 TPY of OC
	OAC rule 3745-21-07(G)(2)	8 lbs of organic compound (OC)/hr 40 lbs of OC/day
	OAC rule 3745-17-07(A)(1)	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 hourly PE limitation established by this rule is less stringent than that established pursuant to OAC rule 3745-31-05.

2. **Additional Terms and Conditions**
  - (a) This emissions unit shall be equipped with a fabric filter and tightly-fitted covers. The hourly PE limitation specified in Section A.1 is based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with this limitation.

**B. Operational Restrictions**

1. The usage of organic solvents in this emissions unit shall not exceed 800 pounds per hour, 4,000 pounds per day or 730 tons per year.

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

1. The permittee shall maintain daily records listing the following information for this emissions unit:
  - a. the total amount of material produced, in tons;
  - b. the total amount of organic solvents employed, in pounds;
  - c. the total number of hours the emissions unit was in operation; and
  - d. the average hourly amount of organic solvents employed (b/c), in pounds (average).
2. The permittee shall maintain annual records of the following information for this emissions unit:
  - a. the total amount of material produced, in tons (summation of C.1.a for the calendar year);
  - b. the total amount of organic solvents employed, in tons (summation of C.1.b for the calendar year and divided by 2,000);
  - c. the total PE for the calendar year, in tons [(a) x maximum solids content of the material (0.50) x emission factor (0.01 lb of PE/ton of product) x one minus the fractional control efficiency of the fabric filter (0.99)].

**D. Reporting Requirements**

1. This permittee shall submit deviation (excursion) reports that identify any day in which the hourly or daily organic solvent usage restrictions specified in Section B.1 of this permit were exceeded. These reports shall be submitted to the Hamilton County Department of Environmental Services within 30 days after any such

exceedance occurs.

2. The permittee shall submit annual reports that summarize the actual annual organic solvent usage and the total PE for the calendar year for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

**E. Testing Requirements**

1. Compliance with the PE limitations, OC emission limitations, visible particulate emission limitation and material usage restriction specified in Sections A.1 and B.1 shall be determined in accordance with the following methods:

Emission Limitation: 0.08 lb of PE/hr

Applicable Compliance Method: The hourly PE limitation is based on the emissions unit's potential to emit and compliance with this limitation has been determined by employing the following equation:

$$E(h) = P(h) \times Y \times EF \times (1 - CE)$$

where:

E(h) = hourly PE rate, in lbs of PE/hr;

P(h) = maximum hourly production rate (1,600 lbs/hr);

Y = maximum solids content of mixed material (0.50);

EF = emission factor (0.01 lb of PE/ton of product) from AP-42, Chapter 6.4, 5th Edition (revised 5/83); and

CE = control efficiency of the fabric filter (0.99).

Emission Limitation: 0.073 TPY of PE

Applicable Compliance Method: Compliance with the annual PE limitation shall be determined by the record keeping performed pursuant to Section C.2.

Emission Limitation : 8 lbs of OC/hr

Applicable Compliance Method: Compliance with the hourly OC emission limitation is ensured if compliance with the hourly organic solvent usage restriction is maintained (the hourly OC emission limitation was calculated by multiplying the maximum hourly organic solvent usage rate (800 lbs/hr) by an emission factor of 1 lb of OC/100 lbs of OC used\*).

\* This emission factor is based on information supplied by the permittee.

Emission Limitation: 40 lbs of OC/day

Applicable Compliance Method: Compliance with the daily OC emission limitation is ensured if compliance is maintained with the daily organic solvent usage restriction (the daily OC emission limitation was calculated by multiplying the maximum daily organic solvent usage rate (4,000 lbs/day) by an emission factor of 1 lb of OC/100 lbs of OC used\*).

\* This emission factor is based on information supplied by the permittee.

Emission Limitation: 7.3 TPY of OC

Applicable Compliance Method: Compliance with the annual OC emission limitation is ensured as long as compliance with the daily OC emission limitation is maintained.

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

Applicable Compliance Method: Compliance with the visible PE limitation shall be determined by the method specified in 40 CFR, Part 60, Appendix A, Test Method 9 pursuant to OAC rule 3745-17-03(B)(1).

Organic Solvent Usage Restriction: 800 lbs/hr of organic solvents; 4,000 lbs/day of organic solvents; 730 TPY of organic solvents

Applicable Compliance Method: Compliance with the hourly and daily solvent usage restrictions shall be determined by the record keeping performed in Section C.1. Compliance with the annual solvent usage restriction shall be determined by the record keeping performed in Section C.2. In addition, compliance with the annual organic solvent usage restriction is ensured while compliance is maintained with the daily organic solvent usage restriction.

**F. Miscellaneous Requirements**

1. None