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: P002 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
50 hp high speed disperser with fabric filter	OAC rule 3745-31-05(A)(3) (PTI 14-3385)	0.103 lb of particulate emissions (PE)/hr 0.45 ton per year (TPY) of PE 8 lbs of organic compound (OC) emissions/hr 40 lbs of OC emissions/day 7.3 TPY of OC emissions See Sections A.2 and B.2 below.
	OAC rule 3745-21-07(G)(2)	The OC emission limitations specified by this rule are equal to or less stringent than those established pursuant to OAC rule 3745-31-05(A)(3).
	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 specified by this rule is less stringent than that established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

   (a) The hourly and annual PE limitations specified in Section A.1 are based upon the emissions unit's potential to emit. Therefore, no hourly or annual records are required to demonstrate compliance with these emission limitations.
   This emissions unit shall be equipped with a fabric filter and tightly-fitted covers for control of PE and OC emissions.

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 of the following information for this emissions unit:

   a. the total amount of organic solvents employed, in pounds;

   b. the total number of hours the emissions unit was in operation; and

   c. the average hourly amount of organic solvent employed (a/b), in pounds (average).

2. The permittee shall maintain annual records of the total amount of organic solvents employed in this emissions unit, in tons (summation of C.1.a for the calendar year and divided by 2,000 lbs/ton).

3. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack serving this emissions unit. The presence or absence of any visible PE shall be noted in an operations log. If visible PE are observed, the permittee shall also note the following in the operations 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 PE incident; and
e. any corrective actions taken to minimize or eliminate the visible PE.

If visible PE are present, a visible PE incident has occurred. The observer does not have to document the exact start and end times for the visible PE incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible PE incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible PE were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible PE.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify any day in which the hourly or daily organic solvent usage restriction specified in Section B.1 was 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, in tons, for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible PE were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible PE. 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 PE limitations, OC emission limitations, visible PE limitation and material usage restrictions specified in Sections A.1 and B.1 shall be determined in accordance with the following methods:
Emission Limitation: 8 lbs of OC emissions/hr

Applicable Compliance Method: Compliance with the hourly OC emission limitation is ensured if compliance is maintained with the hourly organic solvent usage restriction [the hourly OC emission limitation was calculated by multiplying the maximum hourly organic solvent usage (800 lbs/hr) by an emission factor of 1 lb of OC emissions/100 lbs of organic solvent used (i.e., 0.01) from AP-42, Chapter 6.4, 5th Edition (revised 5/83)].
Emission Limitation: 40 lbs of OC emissions/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 emissions/100 lbs of organic solvent used (i.e., 0.01) from AP-42, Chapter 6.4, 5th Edition (revised 5/83)].
Emission Limitation: 7.3 TPY of OC emissions

Applicable Compliance Method: Compliance with the annual OC emission limitation is ensured if compliance is maintained with the daily OC emission limitation.
Emission Limitation: 0.103 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 emission limitation has been determined by employing the following equation:

E(h) = P(h) x Y x EF x (1 - CE)

where:

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

P(h) = maximum hourly production rate (1,620 lbs/hr);

Y = maximum solids content of mixed material (0.638);

EF = emission factor of 1 lb of PE/100 lb of product used (i.e., 0.01) from AP-42, Chapter 6.4, 5th Edition (revised 5/83); and

CE = fractional control efficiency of the fabric filter (0.99).
Emission Limitation: 0.45 TPY of PE

Applicable Compliance Method: The annual PE limitation is based on the emissions unit's potential to emit and is calculated by multiplying the hourly PE limitation (0.103 lb of PE/hr) by 8,760 hrs/year, and dividing by 2,000 lbs/ton.
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 Restrictions: 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 if compliance is maintained with the daily organic solvent usage restriction.

F. **Miscellaneous Requirements**

1. None