

Facility ID: 1431111828 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: 143111828 Emissions Unit ID: P801 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>
2,000-gallon reactor vessel	OAC rule 3745-31-05(A)(3) (PTI 14-2841)	0.92 lb of organic compounds (OC) emissions/hour* 4.01 tons per year (TPY) of OC emissions* 0.000012 lb of acid mist emissions/hour* 0.000051 TPY of acid mist emissions*
	40 CFR, Part 60, Subpart VV OAC rule 3745-17-07(A)(1)	* The hourly and annual OC and acid mist emission limitations specified above 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. See Section A.2.a below. Visible particulate emissions (PE) from any stack shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(1) OAC rule 3745-21-07(G)(2)	0.551 lb of PE/hr The hourly OC emission limitation specified by this rule is less stringent than the hourly OC emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-09(DD)	See Section A.2.a below.

2. Additional Terms and Conditions

- (a) The permittee shall develop and implement a leak detection and repair program for the process unit that will comply with the requirements of 40 CFR, Part 60, Subpart VV and OAC rule 3745-21-09(DD).

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall comply with the monitoring and record keeping requirements of 40 CFR, Part 60, Subpart VV and OAC rule 3745-21-09(DD).

D. Reporting Requirements

1. The permittee shall submit semiannual reports to the Hamilton County Department of Environmental Services that contain the information outlined in 40 CFR, Part 60, Subpart VV and OAC rule 3745-21-09(DD). The reports shall be submitted by February 1 and August 1 of each year and shall cover the previous six calendar months (July through December and January through June, respectively).

E. Testing Requirements

1. Compliance with the PE, OC and acid mist emission limitations, and the visible PE limitation specified in Section A.1 shall be determined in accordance with the following methods:
OC Emission Limitations: 0.92 lb of OC emissions/hour; 4.01 TPY of OC emissions

Applicable Compliance Method: The hourly OC emission limitation is based upon the emissions unit's potential to emit and was established by multiplying the emission factor of 9.15 lbs of OC emissions/batch* by 1 batch/10 hours. The annual OC emission limitation represents the emission unit's potential to emit and was established by multiplying the hourly OC emission rate (0.92 lb of OC emissions/hour) by 8,760 hours/year and dividing by 2,000 lbs/ton.

* emission factor as supplied by the permittee

Acid Mist Emission Limitations: 0.000012 lb of acid mist emissions/hr; 0.000051 TPY of acid mist emissions

Applicable Compliance Method: The hourly acid mist emission limitation is based upon the emission unit's potential to emit and was established by multiplying the emission factor of 0.00012 lb of acid mist emissions/batch* by 1 batch/10 hours. The annual acid mist emission limitation represents the emission unit's potential to emit and was established by multiplying the hourly acid mist emission rate (0.000012 lb of acid mist emissions/hour) by 8,760 hours/year and dividing by 2,000 lbs/ton.

* emission factor as supplied by the permittee

PE Limitation: 0.551 lb of PE/hour

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR, Part 60, Appendix A, Test Methods 1 through 5 and 26, and the procedures specified in OAC rule 3745-17-03(B)(10).

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

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

F. **Miscellaneous Requirements**

1. None