

Facility ID: 0868030048 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: 0868030048 Emissions Unit ID: P011 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>
wastewater sludge dryer, with cyclonic scrubber control	OAC rule 3745-31-05(A)(3) PTI 08-03685	1.0 lb/hour and 4.38 TPY particulates Visible emissions shall not exceed 5% opacity, as a six-minute average
	40 CFR Part 61 Subpart E OAC rule 3745-17-07(A) OAC rule 3745-17-11(B)(1)	The requirements of this rule also include compliance with the requirements of 40 CFR Part 61 Subpart E. 0.0004 gram mercury per 24-hour period The emission limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The pressure drop across the scrubber shall be continuously maintained at a value of not less than 8 inches of water at all times while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain daily records of the following information:
 - a. sludge charging rate, kg/day;
 - b. dry sludge output from the dryer, kg/day; and,
 - c. weight fraction of solids in the wet sludge.
2. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the scrubber while the emissions unit is in operation. The monitoring devices and any recorders shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
3. The permittee shall collect and record the following information each day:
 - a. The pressure drop across the scrubber, in inches of water, on a daily basis.
 - b. The operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

D. Reporting Requirements

1. The permittee shall submit annual reports to the Director (the appropriate Ohio EPA District Office or local air agency) which summarize the sludge charging rate, dry sludge output, and weight fraction of solids in the wet sludge for the year. The report shall be submitted by January 15th and shall cover the previous twelve calendar months.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the static pressure drop across the scrubber was not maintained at or above the required levels. These quarterly deviation reports shall be submitted in accordance with paragraph 3 of the General Terms and Conditions.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - Emission Limitation -
1.0 lb/hour particulates
 - Applicable Compliance Method
Compliance shall be determined by multiplying the maximum dryer capacity (4 pounds/hour) by the baghouse control efficiency of 80% (1 - 0.80). If required, compliance shall be based upon stack testing in accordance with OAC rule 3745-17-03(B)(10).
 - Emission Limitation -
4.38 TPY particulates
 - Applicable Compliance Method -
The 4.38 TPY limitation was developed by multiplying the 1.0 lb/hour limitation by the maximum operating schedule of 8,70 hours/year, and dividing by 2,000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - Emission Limitation -
5% opacity, as a six-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 methods and procedures specified in USEPA Reference Method 9.
 - Emission Limitation -
0.0004 gram mercury per 24-hour period
 - Applicable Compliance Method -
In accordance with 40 CFR Part 61, and paragraph 61.54 of Subpart E, the permittee performed sludge sampling and analysis to determine mercury emissions as specified in USEPA Reference Method 105. The results demonstrated mercury emissions to be 220 micrograms per 24-hour period. If required, compliance shall be based on sludge sampling and analysis using the methods and procedures specified in USEPA Reference Method 105.

F. Miscellaneous Requirements

1. None