

Facility ID: 1431260066 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: 1431260066 Emissions Unit ID: P009 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>
sand thermal reclamation unit	OAC rule 3745-31-05(A)(3) (PTI 14-05126)	0.003 lb PM/hr, 0.01 TPY PM 0.003 lb PM10/hr, 0.01 TPY PM10 3.2 lbs NOx/hr, 9.6 TPY NOx 0.72 lb VOC/hr, 2.2 TPY VOC 24.4 lbs CO/hr, 73.2 TPY CO

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).

See A.2.

OAC rule 3745-17-07(A)(1)
Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

OAC rule 3745-17-11
The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrate by compliance with the visible particulate emissions limitation, emissions limits, hours of operation limit and the use of a fabric filter. The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 6000 hours.
2. The pressure drop across the fabric filter shall be maintained within the range of 2.0 - 4.0 inches water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendation's, instructions, and operating manual(s). The permittee shall record the pressure drop across the fabric filter on a daily basis.
2. The permittee shall maintain monthly records of the operating hours for this emissions unit.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term B.2.
2. The permittee shall submit annual reports which specify the total CO emissions from this emissions unit for the previous calendar year. The report shall be submitted by January 31 of each year.
3. The permittee shall submit an annual report which summarizes the total annual operating hours for this emissions unit for the previous calendar year. The report shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitations outlined in this permit for CO, NOx and VOC shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI 14-05126 submitted March 19, 2001.
2. Compliance with the visible particulate limitation shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
3. Compliance with the pressure drop limitation in term B.2. shall be demonstrated by the record keeping in term C.1.
4. **Emission Limitation:**

0.003 lbs PM/PM10/hr, 0.01 tons per year PM/PM10

Applicable Compliance Method:

Compliance with the above PM/PM10 emissions limitations shall be determined by using the following equations:

lbs PM/PM10/hr = (A) X (B) X (C) X (D) X .0005
tons PM/PM 10/yr = (A) X (B) X (C) X (D) X .0005 (E) X .0005

Where,

A = fines collected (pounds)
B = control efficiency
C = sand in (pounds)
D = hourly capacity (tons/hr)
E = operating hours
5. Compliance with the hours of operation limitation in term B.1 shall be demonstrated by the record keeping in term C.2.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.