

Facility ID: 1409040950 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: 1409040950 Emissions Unit ID: F004 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>
F004-Grinder # 4	OAC rule 3745-31-05(A)(3) (PTI 14-05931)	Particulate emissions (PE) and particulate matter emissions 10 microns and less in diameter (PM10) shall not exceed 3.8 pounds per hour and 4.7 tons per year. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1).
	OAC rule 3745-17-07(B)(1)	See section B.1. Visible particulate emissions from fugitive dust shall not exceed twenty percent opacity as a three-minute average.
	OAC rule 3745-17-08	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 demonstrated by the mass and visible emission limitations, process throughput limitation and the use of a fabric filter with an overall control efficiency of 95.5 percent.
The hourly emission limitations outlined above are based on the emissions unit's potential to emit (PTE). Therefore, no hourly records and reports are required to demonstrate compliance with these limitations.

B. Operational Restrictions

1. The permittee shall not process more than 5000 steel slabs per year in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the number of steel slabs processed in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit an annual report to the Hamilton County Department of Environmental Services which identifies the total number of steel slabs processed in this emissions unit for the previous calendar year. This report shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitations:

Particulate emissions (PE) and particulate matter emissions 10 microns and less in diameter (PM10) shall not exceed 3.8 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the maximum hourly PE production rate by the PE control efficiency, $[84 \text{ lbs/hr}(1-0.96) + 84 \text{ lbs/hr}(0.96)(1-0.995)]$, as provided in Permit to Install application 14-05931 as received on March 15, 2007. PM10 emissions are assumed to be equivalent to the PE emission rate.

b. Emission Limitations:

Particulate emissions (PE) and particulate matter emissions 10 microns and less in diameter (PM10) shall not exceed 4.7 TPY.

Applicable Compliance Method:

The 4.7 TPY limitation was developed by multiplying the maximum annual allowable throughput of steel slabs by the controlled emission rate of 1.88 lbs of PE-PM10/slab, as provided in Permit to Install application 14-05931 as received on March 15, 2007.

$5000 \text{ slabs/year} \times 1.88 \text{ lbs of PE-PM10/slab} \times \text{ton}/2000 \text{ lb} = 4.7 \text{ TPY PE-PM10.}$

c. Emissions Limitation

Visible particulate emissions from fugitive dust shall not exceed twenty percent opacity as a three-minute average.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the applicable modifications listed in paragraphs (B)(3)(a) through (B)(3)(e) of OAC rule 3745-17-03.

2. Compliance with the production limitation in section B.1 shall be demonstrated by the recordkeeping in section C.1.

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.