

Facility ID: 0125040206 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: 0125040206 Emissions Unit ID: P901 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**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>
Zimmerman 5000 bu/hr (140 ton/hr) grain dryer	OAC 3745-31-05 (PTI 01-6698)	6.0 lbs PM10/hr* 4.1 lbs NOx/hr* 1.0 lb CO/hr*
		No visible particulate emissions while dryer is in operation
		* See A.2.a
	40 CFR part 60, subpart DD	See A.2.b
	OAC rules 3745-17-08(B) and 3745-17-07(B)	Less stringent than the above limitations.

**2. Additional Terms and Conditions**

- (a) The emission limitations in section A.1 were established during the development of the permit to install to reflect potential to emit. Therefore, it is not necessary to develop recordkeeping and reporting requirements or compliance methods for these limitations.  
The diameter of the column plate perforation in the dryer shall not exceed 2.4mm (0.094 inch).

**B. Operational Restrictions**

1. None

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall maintain the following monthly records on site, and shall make these records available to Ohio EPA upon request:
  - a. the amount of grain dried (bushels); and
  - b. the number of hours the dryer operated.

**D. Reporting Requirements**

1. None

**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 -  
6.0 lbs PM10/hr  
  
Applicable Compliance Method -  
Compliance shall be demonstrated through calculations using the AP-42 emission factor for grain drying (from Section 9.9.1, Fifth Ed.) and the maximum hourly grain throughput (140 tons/hr), using an AP-42 correction factor for mixed-grains of 1.95 (AP-42 emissions factor is for wheat -- other grains have higher potential emissions):  
  
 $(0.022 \text{ lb PM10/ton}) \times (140 \text{ tons/hr}) \times (1.95) = 6.0 \text{ lbs PM10/hr}$   
Emission Limitation -

4.1 lbs NOx/hr

Applicable Compliance Method -

Compliance shall be demonstrated through calculations using the AP-42 emission factor for natural gas combustion (from Section 1.4, Fifth Ed.) and the maximum hourly gas usage (31 MMBtu), using a heat content for natural gas of 1050 MMBtu/cu.ft.:

$(140 \text{ lbs NOx/MMcu.ft.}) \times (31 \text{ MMBtu}) \times (1 \text{ cu.ft./1050 MMBtu}) = 4.1 \text{ lbs NOx/hr}$

Emission Limitation -

1.0 lb CO/hr

Applicable Compliance Method -

Compliance shall be demonstrated through calculations using the AP-42 emission factor for natural gas combustion (from Section 1.4, Fifth Ed.) and the maximum hourly gas usage (31 MMBtu), using a heat content for natural gas of 1050 MMBtu/cu.ft.:

$(35 \text{ lbs CO/MMcu.ft.}) \times (31 \text{ MMBtu}) \times (1 \text{ cu.ft./1050 MMBtu}) = 1.0 \text{ lbs CO/hr}$

Emission Limitation -

No visible particulate emissions while dryer is in operation.

Applicable Compliance Method -

Method 22 of 40 CFR Part 60, Appendix A, as specified in OAC rule 3745-17-03(B)(4).

F. **Miscellaneous Requirements**

1. None