Facility ID: 0285000002 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: 0285000002 Emissions Unit ID: F005 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
pet food/horse feed extrusion/drying		
hammermill, with baghouse	OAC rule 3745-31-05(A)(3) (PTI 02-18898)	0.01 grain/dscf, 0.3 lb/hr, and 1.4 TPY of particulate emissions (PE)
extruder, with cyclone	OAC rule 3745-31-05(A)(3) (PTI 02-18898)	0.03 grain/dscf, 0.20 lb/hr, and 0.9 TPY of PE
dryer, with cyclone	OAC rule 3745-31-05(A)(3) (PTI 02-18898)	0.03 grain/dscf, 3.4 lbs/hr, and 14.8 TPY of PE
Geelen cooler, with cyclone	OAC rule 3745-31-05(A)(3) (PTI 02-18898)	0.03 grain/dscf, 4.14 lbs/hr, and 18.1 TPY of PE
hammermill, with baghouse; extruder, with cyclone; dryer, with cyclone; and Geelen cooler, with cyclone	OAC rule 3745-17-07(A)(1)	Visible emissions from any stack serving this emissions unit shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(1)	The emission limitation established in this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

   (a) None

B. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to minimize or eliminate the visible emissions.

   If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

D. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate

emissions were observed from any stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Ohio EPA Northeast District Office) by January 31 and July 31 of each year and shall cover the previous six-month period.

E. **Testing Requirements**

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods.
Emission limitation for hammermill, with baghouse:
0.01 grain/dscf, 0.3 lb/hr, and 1.4 TPY of PE

Applicable Compliance Method:
Stack testing in accordance with OAC rule 3745-17-03(B)(10), if requested.

The hourly and annual allowable emission limitations were created using the following equations:

lbs PE/hr = (3,600 cf/min)(60 min/hour)(0.01 grain/cf)(lb/7,000 grains)

tons PE/yr = (lbs/hour)(8,760 hours/year)(ton/2,000 lbs)
Emission limitation for extruder, with cyclone:
0.03 grain/dscf, 0.20 lb/hr, and 0.9 TPY of particulate emissions (PE)

Applicable Compliance Method:
Stack testing in accordance with OAC rule 3745-17-03(B)(10), if requested.

The hourly and annual allowable emission limitations were created using the following equations:

lbs PE/hr = (785 cf/min)(60 min/hour)(0.03 grain/cf)(lb/7,000 grains)

tons PE/yr = (lbs/hour)(8,760 hours/year)(ton/2,000 lbs)
Emission limitation for dryer, with cyclone:
0.03 grain/dscf, 3.4 lbs/hr, and 14.8 TPY of particulate emissions (PE)

Applicable Compliance Method:
Stack testing in accordance with OAC rule 3745-17-03(B)(10), if requested.

The hourly and annual allowable emission limitations were created using the following equations:

lbs PE/hr = (20,000 cf/min)(60 min/hour)(0.03 grain/cf)(460 + 70/460 + 348)(lb/7,000 grains)

tons PE/yr = (lbs/hour)(8,760 hours/year)(ton/2,000 lbs)
Emission limitation for Geelen cooler, with cyclone:
0.03 grain/dscf, 4.14 lbs/hr, and 18.1 TPY of PE

Applicable Compliance Method:
Stack testing in accordance with OAC rule 3745-17-03(B)(10), if requested.

The hourly and annual allowable emission limitations were created using the following equations:

lbs PE/hr = (17,000 cf/min)(60 min/hr)(0.03 grain/cf)(460 + 70/460 +100)(lb/7,000 grains)

tons PE/yr = (lbs/hour)(8,760 hours/year)(ton/2,000 lbs)
Emission Limitation from each stack:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.

Applicable Compliance Method:
Visible emissions observations in accordance with OAC rule 3745-17-03(B)(1), if requested.

F. **Miscellaneous Requirements**

1. None