

Facility ID: 0339010005 Issuance type: Title V Final Permit

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 III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. Emergency Action Plans: This facility has one or more emissions units that emit more than 0.25 ton/day of criteria pollutants and is subject to the emergency action plan provisions in accordance with OAC rule 3745-25-03. The permittee shall comply with the emergency action plan provisions as detailed in Engineering Guide #64.

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b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

eclipse process heater, Ohio EPA emissions unit B004; natural gas-fired steam generator, Ohio EPA emissions unit B007; meal grinding, Ohio EPA emissions unit P010; bulk kaolin receiving system, Ohio EPA emissions unit P072; promosoil dump tank, Ohio EPA emissions unit T005; ethanol receipt tank, Ohio EPA emissions unit T006; lagoon, Ohio EPA emissions unit Z001; chiller, Ohio EPA emissions unit Z002; elevator bin vents, Ohio EPA emissions unit Z003; stand-by diesel fire pump #1, Ohio EPA emissions unit Z004; stand-by diesel fire pump #2, Ohio EPA emissions unit Z005; stand-by diesel power generator, Ohio EPA emissions unit Z006; diesel storage tank, Ohio EPA emissions unit Z007; gasoline storage tank, Ohio EPA emissions unit Z008; brine maker - salt unloader, Ohio EPA emissions unit Z009; sulfuric acid storage tank, Ohio EPA emissions unit Z010; phosphoric acid storage tank, Ohio EPA emissions unit Z011; caustic storage tank, Ohio EPA emissions unit Z012; west deodorizer geka, Ohio EPA emissions unit Z015; and reject toaster, Ohio EPA emissions unit Z016.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install (PTI) for the emissions unit.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: B005 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
32 mmBtu/hour, natural gas-fired boiler	OAC rule 3745-17-10(B)	0.020 pound particulate emissions (PE)/mmBtu of actual heat input
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent emissions opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.16 pound nitrogen oxides (NOx)/mmBtu of actual heat input
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-10(B) and 3745-17-07(A).

2. Additional Terms and Conditions

- a. This emissions unit was installed prior to June 9, 1989 and, therefore, is not subject to 40 CFR Part 60, Subpart Dc.
- b. Since natural gas is the only fuel fired in this emissions unit, OAC rule Chapter 3745-18 is not applicable. Hence, there is no SO₂ limitation established for this emissions unit.

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II. Operational Restrictions

1. The permittee shall burn only natural gas as fuel in this emissions unit.

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitations in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:
0.020 pound PE/mmBtu of actual heat input

Applicable Compliance Method:
The permittee may demonstrate compliance with the limitation above by multiplying an emission factor of 1.9 lbs PE (filterable)/mm cu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (mm cu. ft./hr) and dividing by the emissions unit's maximum heat input capacity (mmBtu/hr).

If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with the methods specified in OAC 3745-17-03(B)(9).
 - b. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - c. Emission Limitation:
0.16 pound NO_x/mmBtu of actual heat input

Applicable Compliance Method:
The permittee may demonstrate compliance by multiplying the maximum hourly natural gas combustion rate (mm cu. ft/hr) by the AP-42 emission factor from Table 1.4-1 (revised 7/98) of 100 pounds NO_x/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: B005 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: B008 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
100 mmBtu/hour, natural gas-fired boiler	40 CFR Part 60, Subpart Dc	none (See Section A.II.1.)
	OAC rule 3745-17-10(B)	See Section A.I.2.a.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-7241)	0.0048 pound particulate emissions (PE)/mmBtu of actual heat input (0.48 pound/hour)
		0.038 pound carbon monoxide (CO)/mmBtu of actual heat input (3.81 pounds/hour)
		0.14 pound nitrogen oxides (NOx)/mmBtu of actual heat input (14.0 pounds/hour)
		0.0006 pound sulfur dioxide (SO2)/mmBtu of actual heat input (0.051 pound/hour)
		0.0016 pound organic compounds (OC)/mmBtu of actual heat input (0.16 pound/hour)
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- b. Since natural gas is the only fuel fired in this emissions unit, OAC rule Chapter 3745-18 is not applicable. Hence, there is no SO2 limitation established for this emissions unit.
- c. The permittee shall properly operate and maintain low-NOx burners on this emissions unit.

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II. Operational Restrictions

1. The permittee shall burn only natural gas as fuel in this emissions unit.

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III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
 - Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise

provided by rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

- b. **Emission Limitation:**
0.0048 pound PE/mmBtu of actual heat input (0.48 pound PE/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the pound PE/mmBtu allowable limitation by multiplying an emission factor of 1.9 lbs PE (filterable)/mm cu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (mm cu. ft./hr) and dividing by the emissions unit's maximum heat input capacity (mmBtu/hr).

The permittee shall demonstrate compliance with the pound PE/hour allowable limitation by multiplying an emission factor of 1.9 lbs PE (filterable)/mm cu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (mm cu. ft./hr).

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

- c. **Emission Limitation:**
0.038 pound CO/mmBtu of actual heat input (3.81 pounds CO/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the pound CO/mmBtu emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-1 (revised 3/98) of 84 pounds CO/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

The permittee shall demonstrate compliance with the pound CO/hour emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-1 (revised 3/98) of 84 pounds CO/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 4 and 10, which are located in 40 CFR, Part 60, Appendix A.

- d. **Emission Limitation:**
0.14 pound NOx/mmBtu of actual heat input (14 pounds NOx/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the pound NOx/mmBtu emission limitation by multiplying the maximum hourly natural gas combustion rate (mmcu. ft./hr) by the AP-42 emission factor from Table 1.4-1 (revised 3/98) of 100 pounds NOx/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

The permittee may demonstrate compliance with the pounds NOx/hour emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-1 (revised 3/98) of 100 pounds NOx/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

- e. **Emission Limitation:**
0.0006 pound sulfur dioxide/mmBtu of actual heat input (0.051 pound sulfur dioxide/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the pound SO₂/mmBtu emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 0.6 pound SO₂/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

The permittee may demonstrate compliance with the pound SO₂/hour emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 0.6 pound SO₂/mm cu. ft. of natural gas.

If required, the test method to be employed to demonstrate compliance with the emission limitations above shall be Method 6, which is located in 40 CFR, Part 60, Appendix A.

- f. **Emission Limitation:**
0.0016 pound OC/mmBtu of actual heat input (0.16 pound OC/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the pound OC/mmBtu emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 11 pounds OC/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

The permittee shall demonstrate compliance with the pound OC/hour emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table

1.4-2 (revised 3/98) of 11 pounds OC/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitation shall be Methods 18, 25 or 25A (as appropriate), which are located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: B008 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

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V. **Testing Requirements**

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: B010 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
natural gas-fired boiler (91.2 mmBtu/hour), with number 2 fuel oil as backup (86.9 mmBtu/hour)	40 CFR, Part 60, Subpart Dc	when number 2 fuel oil is combusted: 0.50 pound sulfur dioxide (SO2)/mmBtu of actual heat input Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except for one six-minute period per hour during which visible emissions shall not exceed 27 percent opacity. See Section A.I.2.a. Refer to Section A.I.2.b. when natural gas is employed, visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule. when firing natural gas: 0.014 pound particulate emissions (PE)/mmBtu of actual heat input (1.25 pound/hour); 0.0006 pound SO2/mmBtu of actual heat input (0.055 pound/hour); 0.140 pound NOx/mmBtu of actual heat input (12.8 pounds/hour); 0.134 pound CO/mmBtu of actual heat input (12.2 pounds/hour), 53.4 tons/year; and 0.0071 pound VOC/mmBtu of actual heat input (0.65 pound/hour). when firing number 2 fuel oil: 0.016 pound PE/mmBtu of actual heat input (1.40 pound/hour), 6.13 tons/year; 0.161 pound NOx/mmBtu of actual heat input (14.0 pounds/hour), 61.3 tons/year; 0.136 pound CO/mmBtu of actual heat input (11.8 pounds/hour); and 0.0136 pound OC/mmBtu of actual heat input (1.18 pounds/hour), 5.17 tons/year. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart Dc.
	OAC rule 3745-18-06(D)	
	OAC rule 3745-17-10(B)	
	OAC rule 3745-17-07(A)	
	OAC rule 3745-31-05 (PTI No. 03-11260)	

2. Additional Terms and Conditions

- a. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart Dc.

- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The CO, PE, NOx, and OC tons/year emission limitations represent the emissions unit's potentials to emit and are established for PTI purposes only. Therefore, no record keeping and/or reporting requirements are necessary to ensure compliance with these limitations.

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II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number 2 fuel oil in this emissions unit.
2. As an alternative to complying with the limitation of 0.50 pound SO₂/mmBtu of actual heat input (when combusting number 2 fuel oil), the permittee may opt to combust number 2 fuel oil, which contains no greater than 0.5 percent sulfur, by weight, in this emissions unit.
3. The quality of the oil burned in this emissions unit shall either comply with the 0.5 percent sulfur, by weight, restriction in Section A.II.2 of the terms and conditions of this permit or the quality of oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.50 lb SO₂/mmBtu of actual heat input.

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III. Monitoring and/or Record Keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

For each shipment of oil, the permittee shall obtain a fuel supplier certification which includes the following information:

- a. the name of the oil supplier; and
 - b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Part 60, section 60.41c.
2. The permittee shall maintain records of the following information each month for this emissions unit:
 - a. the weight percent of sulfur in each shipment of oil;
 - b. the sulfur dioxide emission rate, in pounds sulfur dioxide/mmBtu, calculated in accordance with the provisions of OAC rule 3745-18-04(F)(2), for each shipment of oil received that exceeded 0.5 weight percent of sulfur;
 - c. the quantity of natural gas burned, in cu. ft;
 - d. the quantity of number 2 fuel oil burned, in gallons; and
 - e. copies of the analytical results provided by the permittee or oil supplier for each shipment of oil.
 3. For each day during which the permittee burns a fuel other than natural gas and/or number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any monthly record which shows a deviation of the allowable sulfur dioxide limitation of 0.50 lb SO₂/mmBtu of actual heat input or the restriction of the 0.5 percent sulfur content. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

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V. **Testing Requirements**

1. When the permittee burns number 2 fuel oil with a sulfur content exceeding 0.5 percent by weight, the permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 60 days after the initial use of number 2 fuel oil with a sulfur content exceeding 0.5 percent by weight.
 - b. The emission testing shall be conducted to demonstrate compliance with the sulfur dioxide emission limitation (0.50 pound/mmBtu heat input) and the visible emission limitation.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s):

SO₂ : Method 6, 40 CFR, Part 60, Appendix A
VE : Method 9, 40 CFR, Part 60, Appendix A
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA district office or local air agency.
2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.
3. Compliance Methods Requirements: Compliance with the emission limitations in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:
 - a. Emission Limitation:

0.50 pound sulfur dioxide/mmBtu of actual heat input (when firing number 2 fuel oil)

Applicable Compliance Method:
Compliance shall be demonstrated through the record keeping requirements established in Section A.III of the terms and conditions of this permit.

If required, the test method to be employed to demonstrate compliance with the emission limitation above shall be Method 6, which is located in 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation:

Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except for one six-minute period per hour during which visible emissions shall not exceed 27 percent opacity (when firing number 2 fuel oil)

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitations shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.
 - c. Emission Limitation:

visible emissions shall not exceed 20 percent opacity, as a six-minute average (when combusting natural gas)

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.
 - d. Emission Limitation:

0.014 pound PE/mmBtu of actual heat input (1.25 pounds PE/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb PE/mmBtu allowable limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 1.9 pounds PE (filterable)/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

Compliance with the lbs PE/hour allowable limitation may be determined by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 1.9 pounds PE (filterable)/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

- e. Emission Limitation:
0.0006 pound SO₂/mmBtu of actual heat input (0.055 pound/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the lb SO₂/mmBtu allowable emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 0.6 pound SO₂/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

Compliance with the lbs SO₂/hour allowable emission limitation may be determined by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 0.6 pound SO₂/mm cu. ft. of natural gas.

If required, the method to be employed to demonstrate compliance with the allowable emission limitations above shall be Method 6, which is located in 40 CFR, Part 60, Appendix A.

- f. Emission Limitation:
0.140 pound NO_x/mmBtu of actual heat input (12.8 pounds/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the lb NO_x/mmBtu allowable emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 50 pounds NO_x/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

Compliance with the lbs NO_x/hour allowable emission limitation may be determined by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 50 pounds NO_x/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

- g. Emission Limitation:
0.134 pound CO/mmBtu of actual heat input (12.2 pounds/hour), 53.4 tons/year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the lb/mmBtu allowable emission limitation based on the an emission factor of 0.133 lb CO/mmBtu*. Compliance with the lbs/hour emission limitation shall be determined by multiplying the maximum hourly heat input rate (mmBtu/hr by the emission factor of 0.133 lb CO/mmBtu.

If required, the method to be employed to demonstrate compliance with the emission limitation shall be Method 10, which is located in 40 CFR Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

* This emission factor is based on information supplied by the manufacturer and was confirmed through emission testing of this emissions unit.

- h. Emission Limitation:
0.0071 pound OC/mmBtu of actual heat input (0.65 pound/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the lb OC/mmBtu allowable emission limitation based on an emission factor of 0.0071 lb OC/mmBtu of actual heat input*.

Compliance with the lbs OC/hour allowable emission limitation may be determined by multiplying the maximum hourly heat input rate (mmBtu/hr by an emission factor of 0.0071 lb OC/mmBtu of actual heat input*.

If required, the test methods to be employed to demonstrate compliance with the emission limitation shall be Methods 18, 25 or 25A (as appropriate), which are located in 40 CFR, Part 60, Appendix A.

* This emission factor is based on information supplied by the manufacturer and was confirmed through emission testing of this emissions unit.

- i. Emission Limitations:
0.016 pound PE/mmBtu of actual heat input (1.40 pounds PE/hour), 6.13 tons PE/year

Applicable Compliance Method:

The permittee may demonstrate compliance with lbs PE/mmBtu allowable limitation by multiplying the maximum number 2 fuel oil combustion rate (gallons/hour) by the AP-42 emission factor from Table

- 1.3-2 (revised 1/95) of 2 pounds PE/1000 gallons of number 2 fuel oil and dividing by the maximum heat input to the boiler (mmBtu/hr).

Compliance with lbs PE/hour allowable limitation may be determined by multiplying the maximum number 2 fuel oil combustion rate (gallons/hour) by the AP-42 emission factor from Table 1.3-2 (revised 1/95) of 2 pounds PE/1000 gallons of number 2 fuel oil

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

If required, the test methods to be employed to demonstrate compliance with the hourly and lb/mmBtu PE limitations above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

j. Emission Limitation:

0.161 pound NOx/mmBtu of actual heat input (14.0 pounds/hour), 61.3 tons/year

Applicable Compliance Method:

The permittee may demonstrate compliance with the lbs NOx/mmBtu allowable emission limitation by multiplying the maximum number 2 fuel oil combustion rate (gallons/hour) by the AP-42 emission factor from Table 1.3-2 (revised 1/95) of 20 pounds NOx/1000 gallons of no. 2 fuel oil and dividing by the maximum heat input to the boiler (mmBtu/hour).

Compliance with lbs NOx/hour allowable emission limitation may be determined by multiplying the maximum number 2 fuel oil combustion rate (gallons/hour) by the AP-42 emission factor from Table 1.3-2 (revised 1/95) of 20 pounds NOx/1000 gallons of no. 2 fuel oil.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

If required, the test methods to be employed to demonstrate compliance with the hourly and lbs/mmBtu NOx emission limitations above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

k. Emission Limitation:

0.136 pound CO/mmBtu of actual heat input (11.8 pounds/hour)

Applicable Compliance Method:

The permittee may demonstrate compliance with the lb CO/mmBtu allowable emission limitation based on the an emission factor of 0.136 lb OC/mmBtu*.

Compliance with the lbs OC/hour allowable emission limitation may be determined by multiplying the maximum hourly heat input rate (mmBtu/hr) by the emission factor of 0.136 lb CO/mmBtu.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 4 and 10, which are located in 40 CFR, Part 60, Appendix A.

* This emission factor is based on information supplied by the manufacturer and was confirmed through emission testing of this emissions unit.

l. Emission Limitations:

0.0136 pound OC/mmBtu of actual heat input (1.18 pounds/hour), 5.17 tons/year

Applicable Compliance Method:

The permittee may demonstrate compliance with the lb OC/mmBtu allowable emission limitation based on the an emission factor of 0.014 lb OC/mmBtu.*

Compliance with the lbs OC/hour allowable emission limitation above may be determined by multiplying the maximum hourly heat input rate (mmBtu/hr) by the emission factor of 0.014 lb OC/mmBtu.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

If required, the test methods to be employed to demonstrate compliance with the hourly and lb/mmBtu OC emission limitations above shall be Methods 18, 25 or 25A (as appropriate), which are located in 40 CFR, Part 60, Appendix A.

* This emission factor is based on information supplied by the manufacturer and was confirmed through emission testing of this emissions unit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: B010 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F002 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
column grain dryer	40 CFR, Part 60, Subpart DD	See Section A.I.2.a.
	OAC rule 3745-31-05 (PTI No. 03-3603)	2.88 pounds fugitive particulate emissions (PE)/hour
		The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart DD.
	OAC rule 3745-17-08(B)	none (See A.I.2.b.)
	OAC rule 3745-17-07(B)	none (See A.I.2.b.)

2. Additional Terms and Conditions

- a. The column plate perforations shall not exceed 0.094 inch.
- b. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- c. The 2.88 pounds fugitive PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with this limitation.

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
2.88 pounds fugitive PE/hour
 - Applicable Compliance Method:
Compliance may be determined as follows:
 - i. multiply the maximum hourly throughput (tons/hour) by the emission factor from AP-42, Table 9.9.1-1 (revised 5/98) of 0.22 pound PE/ton by a control factor of (1-.9);*
 - ii. multiply the maximum hourly natural gas combustion rate (mmcu. ft./hour) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 pounds PE (filterable)/mmcu. ft.; and
 - iii. sum i + ii.
- * The control efficiency of the perforations is assumed to be 90%.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: F002 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: F003 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
bean bowl #2	40 CFR, Part 60, Subpart DD	There shall be no visible fugitive emissions from the grain handling operations associated with bean bowl #2.
	OAC rule 3745-31-05 (PTI No. 03-3408)	See Section A.I.2.b.
	OAC rule 3745-17-08(B)	The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart DD.
	OAC rule 3745-17-07(B)	none (See A.I.2.a.) none (See A.I.2.a.)

2. Additional Terms and Conditions

- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart DD.

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II. Operational Restrictions

1. The permittee shall operate this emissions unit with a choke loader and a telescopic spout at all times.

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III. 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 fugitive dust emissions emanating from 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.

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IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive dust emissions were observed emanating from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
no visible fugitive emissions

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 22, which is located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: F003 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F004 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
column grain dryer	40 CFR, Part 60, Subpart DD OAC rule 3745-31-05 (PTI No. 03-6388)	See Section A.I.2.a. 2.04 pounds fugitive particulate emissions (PE)/hour 1.96 pounds nitrogen oxides (NOx)/hour There shall be no visible fugitive emissions from this emissions unit. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart DD.
	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See A.I.2.b.) none (See A.I.2.b.)

2. Additional Terms and Conditions

- a. The column plate perforations shall not exceed 0.094 inch.
- b. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- c. The 2.04 pounds fugitive PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.
- d. The 1.96 pounds NOx/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
2.04 pounds fugitive PE/hour

Applicable Compliance Method:
Compliance may be determined as follows:
 - i. multiply the maximum hourly throughput (tons/hour) by the emission factor from AP-42, Table 9.9.1-1 (revised 5/98) of 0.22 pound PE/ton by the a control factor of (1-0.9);*
 - ii. multiply the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 pounds PE (filterable)/mm cu. ft]; and
 - iii. sum i + ii.

* The control efficiency of the perforations is assumed to be 90%.
 - b. Emission Limitation:
1.96 pounds NOx/hour

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hour) by the emission factor from AP-42 Table, 1.4-1 (revised 7/98) of 100 pounds NOx/mm cu. ft.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.
 - c. Emission Limitation:
no visible fugitive emissions

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 22, which is located in 40 CFR, Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

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Facility ID: 0339010005 Emissions Unit ID: F004 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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> |
|---|---|--------------------------------------|--|
| 2. Additional Terms and Conditions | | | |
| 1. | None | | |

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F005 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
	truck and rail grain receiving stations (No. 3 grain dump) with partial enclosure and baghouse	OAC rule 3745-17-08(B)	none (See Section A.I.2.a.)
		OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. **Additional Terms and Conditions**

- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in

OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: F005 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F006 Issuance type: Title V Final Permit

A. **State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
truck grain receiving station (No. 1 truck dump) with partial enclosure, baghouse and use of choke flow	OAC rule 3745-17-08(B)	none (See Section A.I.2.a.)
	OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

- 2. **Additional Terms and Conditions**
 - a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: F006 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2.	Additional Terms and Conditions		
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F007 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
truck grain receiving station (No. 2 truck dump), with baghouse and use of choke flow	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.) none (See Section A.I.2.a.)

2. **Additional Terms and Conditions**

- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: F007 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F008 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
elevator rail loadout with partial enclosure and telescopic spout	OAC rule 3745-17-08(B)	none (See Section A.I.2.a.)
	OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: F008 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F009 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
---	--------------------------------------	--

- | | | | |
|--|--|------------------------|--|
| | elevator truck loadout with partial enclosure and telescopic spout | OAC rule 3745-17-08(B) | Measures
none (See Section A.I.2.a.) |
| | | OAC rule 3745-17-07(B) | none (See Section A.I.2.a.) |
2. **Additional Terms and Conditions**
- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

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Facility ID: 0339010005 Emissions Unit ID: F009 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
--	--	---	---

2. **Additional Terms and Conditions**

1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F010 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
column grain dryer	40 CFR, Part 60, Subpart DD OAC rule 3745-31-05 (PTI No. 03-1008)	none (See Section A.I.2.a.) The requirements established pursuant to this rule are equivalent to the requirements of 40 CFR, Part 60, Subpart DD.
	OAC rule 3745-17-08(B)	none (See Section A.I.2.b.)
	OAC rule 3745-17-07(B)	none (See Section A.I.2.b.)

2. Additional Terms and Conditions

- a. The column plate perforations shall not exceed 0.094 inch.
- b. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: F010 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F011 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
aeration of 32 grain storage silos	OAC rule 3745-31-05 (PTI No. 03-10637)	5.17 pounds fugitive particulate emissions (PE)/hour, 22.6 tons/year fugitive PE
		Visible fugitive emissions shall not exceed 20 percent opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	none (See A.I.2.a.)
	OAC rule 3745-17-07(B)	none (See A.I.2.a.)

2. Additional Terms and Conditions

- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- b. The 5.17 pounds PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

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II. Operational Restrictions

- 1. The permittee shall maintain the air velocities through each bin at or below 0.3 feet/second.

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
- a. Emission Limitations:
5.17 pounds fugitive PE/hour, 22.6 tons/year
- Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly limitation by multiplying the estimated outlet grain loading (0.003 grain/cubic foot) by the total maximum volumetric air flow rate (200,960 cubic feet/minute), dividing by 7000, and then multiplying by 60.
- As long as compliance with hourly emission limitation is maintained, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).
- b. Emission Limitation:
20 percent opacity, as a 3-minute average, except as otherwise provided by rule
- Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: F011 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F012 Issuance type: Title V Final Permit

A. **State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
truck meal loadout with partial enclosure and Redwing loader	OAC rule 3745-17-08(B)	none (See Section A.I.2.a.)
	OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. **Additional Terms and Conditions**

- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: F012 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F013 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
railcar meal loadout with partial enclosure and choke flow	OAC rule 3745-17-08(B)	none (See Section A.I.2.a.)
	OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. **Additional Terms and Conditions**

- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: F013 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: F014 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
bean bowl #1 with choke flow and enclosure	OAC rule 3745-17-08(B)	none (See Section A.I.2.a.)
	OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

- a. This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: F014 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P006 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
elevator house aspiration system, with 2 baghouses	OAC rule 3745-17-11(B)	100 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. **Additional Terms and Conditions**

- a. The permittee shall employ 2 baghouses to control all the PE from this emissions unit.

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- II. **Operational Restrictions**

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 8 inches of water while the emissions unit is in operation.

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- III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.

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- IV. **Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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- V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
100 pounds PE/hour

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (44,205 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the emission limitation shall be OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

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- VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

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Facility ID: 0339010005 Emissions Unit ID: P006 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P011 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
hull refining, with 2 baghouses	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-13045)	0.80 pound particulate emissions (PE)/hour, 3.50 tons/year PE
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ 2 baghouses (CEPREPA and CEPREPB) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.
2. 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 baghouses 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 and location of the emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouses serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and

conditions of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitations:
0.80 pound PE/hour, 3.50 tons/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (18,600 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the hourly allowable PE limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P011 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P013 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
bean flaking, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)	33.6 pounds particulate emissions (PE)/hour Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse to control all the PE from this emissions unit.

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of

time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
33.6 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (6,200 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P013 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P016 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
bean cleaning, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)	86.6 pounds particulate emissions (PE)/hour Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

- a. The permittee shall employ 2 baghouses (CEPREPA and CEPREPB) to control the PE from this emissions unit.

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II. **Operational Restrictions**

- 1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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

- 1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating

manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
86.6 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (19,600 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: P016 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P020 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
millfeed grinding, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-13045)	0.214 pound particulate emissions (PE)/hour, 0.94 ton PE/year

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

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse (CEPRPB) to control the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitations: 0.214 pound PE/hour, 0.94 ton/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation of 0.214 pound by multiplying the baghouse manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (5,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

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Facility ID: 0339010005 Emissions Unit ID: P020 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P021 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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primary dehulling, with baghouse

OAC rule 3745-17-11(B)
OAC rule 3745-17-07(A)

OAC rule 3745-31-05
(PTI No. 03-9532)

Measures

See Section A.I.2.b.
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
1.09 pounds PE/hour
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEPRPB) to control the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

- 1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

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IV. Reporting Requirements

- 1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. Testing Requirements

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation: 1.09 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the baghouse manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (25,400 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly emission limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P021 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P022 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
meal screening process, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)	13.2 pounds particulate emissions (PE)/hour Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP022) to control all the PE from this emissions unit.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
13.2 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (2,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).
 - b. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P022 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P023 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
meal transfer process, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)	15.4 pounds particulate emissions (PE)/hour Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP023) to control all the PE from this emissions unit.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation:
15.4 pounds PE/hour

Applicable Compliance Method:

The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (2,400 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).

- b. Emission Limitation:

Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P023 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P034 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
bean conditioning, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A)	2.79 pounds particulate emissions (PE)/hour Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEPREPB) to control all the PE from this emissions unit.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
 - 2.79 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (300 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).

- b. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P034 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P035 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
bean cracking, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9532)	0.08 pounds PE/hour
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEPRPB) to control the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of

time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation: 0.08 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the baghouse manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (1,800 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly emission limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P035 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P043 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
conventional hexane extraction operation, with 3 cyclones	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-21-07(G)	none (See Section A.II.1.)
	OAC rule 3745-31-05 (PTI No. 03-9532)	5.48 pounds of particulate emissions (PE)/hour
		67.6 tons of organic compounds (OC)/month combined with P051
		811.2 tons of OC/rolling, 12-month period combined with P051
		See Section A.I.2.d.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	40 CFR, Part 63, Subpart GGGG	0.2 gallon hexane/ton soybeans processed (based on a

rolling, 12-month weighted average)

See Section A.I.2.e.

2. Additional Terms and Conditions

- a. The permittee shall employ 3 cyclones (CEP043A, CEP043B and CEP043C) to control all the PE from the desolventizer toaster, dryer and cooler (DTDC) portions of this process.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The 5.48 pounds PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.
- d. Hexane consumption, i.e., the emission rates from the hexane extraction operations in emissions units P043 and P051 combined, shall be determined on a "mass balance" basis. Consumption, i.e., the emission rates, shall not exceed the following levels:
 - i. total hexane consumption in emissions units P043 and P051 combined shall not exceed 285,400 gallons (811.2 tons)/rolling, 12-month period;
 - ii. total hexane consumption in emissions units P043 and P051 combined shall not exceed 0.388 gallon/ton of crushed soybeans (0.00075 pound of hexane/pound of crushed soybeans from emissions unit P043 and 0.0035 pound of hexane/pound of crushed soybeans from emissions unit P051), based on a rolling, 6-month weighted average; and
 - iii. the short-term loss of hexane from emissions units P043 and P051 combined shall not exceed 67.6 tons/month.
- e. This emissions unit, which is an existing source in accordance with 40 CFR, Part 63, shall achieve compliance with the emission limitation of 0.2 gallon hexane/ton soybeans processed (specified by 40 CFR, Part 63, Subpart GGGG) by April 12, 2004.

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II. Operational Restrictions

1. The permittee shall not employ any liquid organic material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).
2. The pressure drop across each cyclone (CEP043A, CEP043B and CEP043C) shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.
3. In accordance with the provisions in 40 CFR, Part 63, Section 63.2852, the permittee shall develop a written startup, shutdown and malfunction (SSM) plan by the compliance date. The permittee shall implement the plan, when applicable. The permittee shall complete the SSM plan before the compliance date for this emissions unit. The permittee shall keep the SSM plan on-site and readily available as long as this emissions unit is operational. The SSM plan shall provide detailed procedures for operating and maintaining this emissions unit to minimize emissions during a qualifying SSM event for which the permittee chooses Section 63.2850(e)(2) malfunction period, or Section 63.2850(c)(2) or (d)(2) initial startup period. The SSM plan must specify a program of corrective action for malfunctioning process and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions. Some or all of the procedures may come from plans the permittee has developed for other purposes such as a Standard Operating Procedure manual or an Occupational Safety and Health Administration Process Safety Management plan. To qualify as a SSM plan, other such plans must meet all the applicable requirements of this NESHAP.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each cyclone while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each cyclone on a daily basis.
2. The permittee shall maintain the following information each month for this emissions unit:
 - a. the company identification of each liquid organic material employed; and
 - b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.
3. The permittee shall collect and record the following information on a monthly basis for emissions units P043 and P051, combined:
 - a. the total amount of hexane input* to the process (purchased), in pounds and gallons;

- b. the total quantity of soybeans weighed in the preparation process before the hexane extraction operation, in pounds and tons;
 - c. the weighted-average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [a/b];
 - d. the rolling, 6-month weighted average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [the sum of c for any 6-month period];
 - e. the rolling, 12-month total hexane consumption, in gallons;
 - f. all incidents of startup or shutdown of the emissions unit, including all amounts of hexane that are routinely added to the system or returned to the storage tanks due to startup or shutdown. This amount of hexane is process hexane that is present in the system during times of continuous operation, but will drain out of the system during shutdown and needs to be charged back into the system prior to startup. The amount of hexane used to "recharge" the system should not be interpreted as a "hexane loss" in calculating emission rates.;
 - g. dates of scheduled cleaning/maintenance; and
 - h. dates of any process upsets.

*Note: it is assumed that all of the hexane input into the process is emitted via point sources (mineral oil absorber and DTDC) and fugitive sources.
- 4. When this emissions unit has processed soybeans for 12 operating months following the compliance date in the MACT regulations, the permittee shall begin calculating the compliance ratio (which compares the actual HAP (n-hexane) loss to the allowable HAP (n-hexane) loss for the previous 12 operating months) by the end of each calendar month following an operating month (refer to A.III.1.a below) considering the following conditions and exclusions:
 - a. if the emissions unit processes any quantity of soybeans in a calendar month and the emissions unit is not operating under an initial startup period (subject to 40 CFR, Part 63, Section 63.2850(c)(2) or (d)(2)) or malfunction period (subject to 40 CFR, Part 63, Section 63.2850(e)(2)), then the permittee must categorize the month as an operating month;
 - b. the 12-month compliance ratio may include operating months occurring prior to the emissions unit shutdown and operating months that follow after the emissions unit resumes operation;
 - c. if the emissions unit shuts down and processes no soybeans for an entire calendar month, then the permittee must categorize the month as a nonoperating month, as defined in 40 CFR, Part 63, Section 63.2872 (exclude any nonoperating months from the compliance ratio determination);
 - d. if the emissions unit is subject to an initial startup period as defined in 40 CFR, Part 63, Section 63.2872, exclude from the compliance ratio determination any solvent (hexane) and soybean information recorded for the initial startup period;
 - e. if the emissions unit is subject to a malfunction period as defined in 40 CFR, Part 63, Section 63.2872, exclude from the compliance ratio determination any solvent (hexane) and soybean information recorded for the malfunction period;
 - f. the solvent (hexane) loss factor used to determine the compliance ratio may change each operating month depending on the tons of soybeans processed during all normal operating periods in a 12 operating month period; and
 - g. if the compliance ratio is less than or equal to 1.0, the emissions unit was in compliance with the HAP (n-hexane) emission requirements for the previous operating month.
- 5. By the compliance date in the MACT regulations, in accordance with 40 CFR, Part 63, Section 63.2851, the permittee shall develop and implement a plan for demonstrating compliance. In this plan, the permittee shall describe the procedures that will be followed in obtaining and recording data, and determining compliance under normal operations. The permittee shall complete the plan before the compliance date for this emissions unit and keep it on site and readily available as long as this emissions unit is operational. The plan shall include the following information:
 - a. the name and address of the owner or operator;
 - b. the physical address of the vegetable oil production process;
 - c. a detailed description of all methods of measurement the permittee will use to determine the solvent losses, HAP (n-hexane) content of solvent (hexane), and the tons of soybeans processed;
 - d. when each measurement will be made;
 - e. examples of each calculation the permittee will use to determine the compliance status (include examples of how the permittee will convert data measured with one parameter to other terms for use in compliance

- determination);
- f. example logs of how data will be recorded; and
 - g. a plan to ensure that the data continue to meet compliance demonstration needs.
6. For periods of normal operation (i.e., for each operating month), the permittee shall maintain the following records, beginning on the compliance date in the MACT regulations:
- a. determine and record the extraction solvent (hexane) loss, in gallons, from this emissions unit;
 - b. record the volume fraction of HAP (n-hexane) present at greater than 1 percent, by volume, and gallons of extraction solvent (hexane), in each shipment received;
 - c. determine and record the tons of soybeans processed by this emissions unit;
 - d. determine the weighted average volume fraction of HAP (n-hexane) in extraction solvent (hexane) received as described in 40 CFR, Part 63, Section 63.2854 by the end of the following calendar month; and
 - e. determine and record the actual solvent (hexane) loss, weighted average volume fraction HAP (n-hexane), soybeans processed and compliance ratio for each 12 operating months period as described in 40 CFR, Part 63, Section 63.2840 by the end of the following calendar month.
7. For initial startup periods subject to 40 CFR, Part 63, Section 63.2850(c)(2) or (d)(2), the permittee shall maintain the following records, beginning on the compliance date in the MACT regulations:
- a. the permittee shall operate and maintain this emissions unit in accordance with the SSM plan;
 - b. determine and record the extraction solvent (hexane) loss, in gallons, from this emissions unit; and
 - c. record the volume fraction of HAP (n-hexane) present at greater than 1 percent, by volume, and gallons of extraction solvent (hexane), in shipment received.
8. If this emissions unit processes any soybeans, the permittee shall record the following information, beginning on the compliance date in the MACT regulations:
- a. For the solvent (hexane) inventory, record the following information in accordance with the permittee's plan for demonstrating compliance:
 - i. dates that define each operating status period during a calendar month;
 - ii. the operating status of this emissions unit such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval;
 - iii. record the gallons of extraction solvent (hexane) in the inventory on the beginning and ending dates of each normal operating period;
 - iv. the gallons of all extraction solvent (hexane) received, purchased, and recovered during each calendar month;
 - v. all extraction solvent (hexane) inventory adjustments, additions or subtractions (the permittee must document the reason for the adjustment and justify the quantity of the adjustment);
 - vi. the total solvent (hexane) loss for each calendar month, regardless of this emissions unit's operating status; and
 - vii. the actual solvent (hexane) loss in gallons for each operating month.
 - b. For the weighted average volume fraction of HAP (n-hexane) in the extraction solvent, the permittee shall record the following information:
 - i. the gallons of extraction solvent (hexane) received in each delivery;
 - ii. the volume fraction of each HAP (n-hexane) exceeding 1 percent by volume in each delivery of extraction solvent (hexane); and
 - iii. the weighted average volume fraction of HAP (n-hexane) in extraction solvent (hexane) received since the end of the last operating month as determined in accordance with 40 CFR, Part 63, Section 63.2854 (b)(2).
 - c. Record the following information in accordance with the permittee's plan for demonstrating compliance:
 - i. the dates that define each operating status period (these dates must be the same as the dates entered for the extraction solvent (hexane) inventory);

- ii. the operating status of this emissions unit such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval;
 - iii. the soybean inventory on the beginning and ending dates of each normal operating period;
 - iv. the tons of soybeans received at this emissions unit during each normal operating period;
 - v. all soybean adjustments, additions or subtractions for normal operating period (the permittee shall document the reason for the adjustment and justify the quantity of the adjustment); and
 - vi. the tons of soybeans processed during each operating month.
- d. After this emissions unit has processed soybeans for 12 operating months, and the permittee is not operating during an initial startup period as described in 40 CFR, Part 63, Section 63.2850(c)(2) or (d)(2), or a malfunction period as described in Section 63.2850(e)(2), the permittee shall record the following information by the end of the calendar month following each operating month, beginning on the compliance date:
- i. the 12 operating months rolling sum of the actual solvent (hexane) loss in gallons as described in Section 63.2853(c);
 - ii. the weighted average volume fraction of HAP (n-hexane) in extraction solvent (hexane) received for the previous 12 operating months as described in Section 63.2854(b)(3);
 - iii. the 12 operating months rolling sum of soybeans processed at this emissions unit in tons as described in Section 63.2855(c);
 - iv. a determination of the compliance ratio (using the values from Sections 63.2853, 63.2854, 63.2855, and Table 1 of Section 63.2840, calculate the compliance ratio using Equation 2 of Section 63.2840); and
 - v. a statement of whether this emissions unit is in compliance with all of the requirements of 40 CFR, Part 63, Subpart GGGG. This includes a determination of whether the permittee has met all of the applicable requirements in Section 63.2850.
- e. For each SSM event subject to an initial startup period as described in 40 CFR, Part 63, Section 63.2850 (c)(2) or (d)(2), or a malfunction period as described in Section 63.2850(e)(2), the permittee shall record the following information by the end of the calendar month following each month in which the initial startup period or malfunction period occurred, beginning on the compliance date:
- i. a description and date of the SSM event, its duration, and reason it qualifies as an initial startup or malfunction;
 - ii. an estimate of the solvent (hexane) loss in gallons for the duration of the initial startup or malfunction period with supporting documentation; and
 - iii. a checklist or other mechanism to indicate whether the SSM plan was followed during the initial startup or malfunction period.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.2 of the terms and conditions of this permit.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying materials (i.e., photochemically reactive materials) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the date of the daily record indicating noncompliance.
3. The permittee shall submit quarterly deviation (excursion) reports for the following (for emissions units P043 and P051, combined):
 - a. any monthly record that shows an exceedance of the limitation of 285,400 gallons (811.2 tons) hexane/rolling, 12-month period;
 - b. any monthly record that shows an exceedance of the limitation of 0.388 gallon hexane/ton of crushed soybeans (0.00075 pound of hexane/pound of crushed soybeans from P043 and 0.0035 pound of hexane/pound of crushed soybeans from P051) based on a 6-month rolling, weighted average; and
 - c. any record that shows an exceedance of the monthly hexane limitation of 67.6 tons.
4. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
5. The permittee shall submit the initial notification for existing sources in accordance with 40 CFR, Part 63, Section 63.2860. This is a one-time notification submitted to the Director (the appropriate District Office or local air agency) no later than 120 days after the effective date of 40 CFR, Part 63, Subpart GGGG, which includes the following information:

- a. the name and address of the owner or operator;
 - b. the physical address of the vegetable oil production process;
 - c. identification of the relevant standard, such as the vegetable oil production NESHAP, and compliance date;
 - d. a brief description of the emissions unit including the types of listed oilseeds (e.g., soybeans) processed, nominal operating capacity, and type of desolventizer(s) used; and
 - e. a statement designating the emissions unit as a major source of HAP (n-hexane) or a demonstration that the emissions unit meets the definition of an area source. An area source is an emissions unit that is not a major source and is not collocated within a plant site with other emissions units that are individually or collectively a major source.
6. The permittee shall submit the initial notification for significant modifications to existing or new sources prior to any such modification (refer to 40 CFR, Part 63, Section 63.2860).
7. The permittee shall submit a notification of compliance status for the MACT regulations once compliance is achieved in accordance with 40 CFR, Part 63, Section 63.2860. The permittee shall submit a notification of compliance status report to the Director (appropriate District Office or local air agency) no later than 60 days after determining the initial 12 operating months compliance ratio. If the emissions unit is an existing source, the permittee should submit this notification no later than 50 calendar months after the effective date of these NESHAP (36 calendar months for compliance, 12 operating months to record data, and 2 calendar months to complete the report). If the emissions unit is a new or reconstructed source, the notification of compliance status is generally due no later than 20 calendar months after initial startup (6 calendar months for the initial startup period, 12 operating months to record data, and 2 calendar months to complete the report). The notification of compliance status must contain the following information:
- a. the name and address of the owner or operator;
 - b. the physical address of the vegetable oil production process;
 - c. each listed oilseed type (e.g., soybeans) processed during the 12 calendar months period covered by the report;
 - d. each HAP (n-hexane) identified under Section 63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent (hexane) received during the 12 calendar months period covered by the report;
 - e. a statement designating the emissions unit as a major source of HAP (n-hexane) or a demonstration that the emissions unit qualifies as an area source (an area source is an emissions unit that is not a major source and is not collocated within a plant site with other emissions units that are individually or collectively a major source); and
 - f. a compliance certification to indicate whether the emissions unit was in compliance for each compliance determination made during the 12 calendar months period covered by the report. For each such compliance determination, the permittee must include a certification of the following information:
 - i. the permittee is following the procedures described in the plan for demonstrating compliance; and
 - ii. the compliance ratio is less than or equal to 1.00.
8. Beginning on the compliance date in the MACT regulations, the permittee shall submit deviation notification reports for each compliance determination the permittee makes in which the compliance ratio exceeds 1.00 as determined in 40 CFR, Part 63, Section 63.2840(c). The permittee shall submit the deviation report by the end of the month following the calendar month in which the permittee determined the deviation. The deviation notification report must include the following items:
- a. the name and address of the owner or operator;
 - b. the physical address of the vegetable oil production process;
 - c. each listed oilseed type (e.g., soybeans) processed during the 12 operating months period for which the permittee determined the deviation;
 - d. the compliance ratio comprising the deviation. The permittee may reduce the frequency of submission of the deviation notification report if the agency responsible for this NESHAP does not object as provided in Section 63.10(e)(3)(iii).
9. Beginning on the compliance date in the MACT regulations, the permittee shall submit periodic startup, shutdown and malfunction (SSM) reports in accordance with 40 CFR, Part 63, Section 63.2861(c). If the permittee chooses to operate this emissions unit under an initial startup period subject to Section 63.2850 (c)(2) or (d)(2) or a malfunction period subject to Section 63.2850(e)(2), the permittee must submit a

periodic SSM report by the end of the calendar month following each month in which the initial startup period or malfunction period occurred. The periodic SSM report must include the following information:

- a. the name, title, and signature of the facility's responsible official who is certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the emissions unit's SSM plan;
 - b. a description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial startup period or malfunction period; and
 - c. an estimate of the solvent (hexane) loss during the initial startup or malfunction period with supporting documentation.
10. Beginning on the compliance date in the MACT regulations, the permittee shall submit immediate SSM reports in accordance with 40 CFR, Part 63, Section 63.2861(d). If the permittee handles a SSM during an initial startup period subject to Section 63.2850(c)(2) or (d)(2) or a malfunction period subject to Section 63.2850(e)(2) differently from procedures in the SSM plan, then the permittee must submit an immediate SSM report. Immediate SSM reports consist of a telephone call or facsimile transmission to the Director (appropriate District Office or local air agency) within 2 working days after starting actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event. The letter must include the following information:
- a. the name, title, and signature of a facility's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the emissions unit's SSM plan;
 - b. a description and date of the SSM event, its duration, and reason it qualifies as a SSM; and
 - c. an estimate of the solvent (hexane) loss for the duration of the SSM event with supporting documentation.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
5.48 pounds PE/hour

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation in accordance with the methods specified in OAC rule 3745-17-03(B)(10).
 - c. Emission Limitations:
67.6 tons OC (hexane)/month, 811.2 tons/rolling 12-month period

Applicable Compliance Method:
The permittee shall demonstrate compliance with these emission limitations based upon the record keeping required in Section A.III.3 of the terms and conditions of this permit.
 - d. Emission Limitation:
0.388 gallon hexane/ton crushed soybeans, based on a 6-month rolling, weighted average

Applicable Compliance Method:
The permittee shall demonstrate compliance with the OC emission limitation of 0.388 gallon/ton of crushed soybeans based upon the record keeping required in Section A.III.3 of the terms and conditions of this permit.
 - e. Emission Limitation:
0.20 gallon hexane/ton crushed soybeans, based on a 12-month rolling, weighted average

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hexane emission limitation above based upon the record keeping required in Section A.III of the terms and conditions of this permit.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P043 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1. None			

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P050 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
Centrolex process	OAC rule 3745-21-07(G) OAC rule 3745-31-05 (PTI No. 03-3111)	none (See Section A.II.1.) 55.0 pounds organic compounds (OC)/hour

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. The permittee shall not employ any material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain the following information each month for this emissions unit:
 - a. the company identification of each liquid organic material employed; and
 - b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.
2. The permittee shall maintain daily records of the following information for this emissions unit:
 - a. the amount of OC employed in this emissions unit (the input rate of OC into the process), in pounds;
 - b. the amount of OC, in pounds, that gets entrained in the wastewater and, therefore, is not emitted by this emissions unit;
 - c. the amount of OC, in pounds, that is removed from this emissions unit and incinerated, and whether or not the incineration was performed on site or off site;
 - d. the OC emissions from the process [2.a - (2.b + 2.c)], in pounds;
 - e. the number of hours the emissions unit was in operation; and
 - f. the average hourly OC emission rate from this operation [2.d/2.e], in pounds/hour (average).

[OC emissions shall be determined by performing a material balance around the process. OC emissions are calculated from inventory control, by subtracting known non-air losses from replacement acetone purchases. Known non-air losses include captured acetone waste material, OC in material incinerated for disposal, and measured losses to process wastewater.]

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying materials (i.e., photochemically reactive materials) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the date of the daily record indicating noncompliance.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the hourly OC emission limitation of 55 pounds. All quarterly reports shall be submitted in accordance with paragraph

A.1.c of the General Terms and Conditions of this permit.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 Emission Limitation:
 55.0 pounds OC/hour

 Applicable Compliance Method:
 The permittee shall demonstrate compliance with the hourly allowable OC emission limitation based upon the record keeping specified in Section A.III.2 of the terms and conditions of this permit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P050 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P051 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
specialty soybean extraction operation, with 2 baghouses and condensor/absorber	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-21-07(G)	none (See Section A.II.1.)
	OAC rule 3745-31-05 (PTI No. 03-13045)	2.3 pounds particulate emissions (PE)/hour hexane emissions: 67.6 tons of organic compounds (OC)/month (combined with P043) 811.2 tons of OC/rolling, 12-month period (combined with P043) ethanol emissions: 46.0 tons OC/month (combined with P060) 552.0 tons OC/rolling, 12-month period (combined with P060)
	40 CFR, Part 63, Subpart GGGG	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A). 0.2 gallon hexane/ton soybeans processed (based on a rolling, 12-month weighted average) See Section A.I.2.e.

2. **Additional Terms and Conditions**

- a. The permittee shall employ 3 baghouses (CEPREPA, CEPREPB and CEP051A) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. Hexane consumption, i.e., the emission rates from the hexane extraction operations in emissions units P043 and P051 combined, shall be determined on a "mass balance" basis. Consumption, i.e., the emission rates, shall not exceed the following levels:

- i. total hexane consumption in emissions units P043 and P051 combined shall not exceed 285,400 gallons (811.2 tons)/rolling, 12-month period;
 - ii. total hexane consumption in emissions units P043 and P051 combined shall not exceed 0.388 gallon/ton of crushed soybeans (0.00075 pound of hexane/pound of crushed soybeans from emissions unit P043 and 0.0035 pound of hexane/pound of crushed soybeans from emissions unit P051), based on a rolling, 6-month weighted average; and
 - iii. the short-term loss of hexane from emissions units P043 and P051 combined shall not exceed 67.6 tons/month.

- d. Ethanol consumption, i.e., emission rates from the ethanol extraction operations in emissions units P051 and P060 combined, shall be determined on a "mass balance" basis. Consumption, i.e., emission rates, shall not exceed the following levels:
 - i. total ethanol consumption in emissions units P051 and P060 combined shall not exceed 152,302 gallons (552.0 tons)/rolling, 12-month period;
 - ii. ethanol consumption in emission units P051 and P060 combined shall not exceed 0.012 pounds per pound of white flakes (0.0011 pound of alcohol per pound of white flakes from P051 and 0.011 pound of alcohol per pound of white flakes from P060), based on a 6-month rolling weighted average; and
 - iii. the short-term loss of ethanol from emissions units P051 and P060 combined shall not exceed 46.0 tons/month.

- e. This emissions unit, which is an existing source in accordance with 40 CFR, Part 63, shall achieve compliance with the emission limitation of 0.2 gallon hexane/ton soybeans processed (specified by 40 CFR, Part 63, Subpart GGGG) by April 12, 2004.

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II. Operational Restrictions

1. The permittee shall not employ any material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).
2. The pressure drop across each baghouse (CEPREPA, CEPREP B and CEP051A) shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.
3. In accordance with the provisions in 40 CFR, Part 63, Section 63.2852, the permittee shall develop a written startup, shutdown and malfunction (SSM) plan by the compliance date. The permittee shall implement the plan, when applicable. The permittee shall complete the SSM plan before the compliance date for this emissions unit. The permittee shall keep the SSM plan on-site and readily available as long as this emissions unit is operational. The SSM plan shall provide detailed procedures for operating and maintaining this emissions unit to minimize emissions during a qualifying SSM event for which the permittee chooses Section 63.2850(e)(2) malfunction period, or Section 63.2850(c)(2) or (d)(2) initial startup period. The SSM plan must specify a program of corrective action for malfunctioning process and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions. Some or all of the procedures may come from plans the permittee has developed for other purposes such as a Standard Operating Procedure manual or an Occupational Safety and Health Administration Process Safety Management plan. To qualify as a SSM plan, other such plans must meet all the applicable requirements of this NESHAP.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.
2. The permittee shall maintain the following information each month for this emissions unit:
 - a. the company identification of each liquid organic material employed; and
 - b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.
3. The permittee shall collect and record the following information on a monthly basis for emissions units P043 and P051, combined:
 - a. the total amount of hexane input* to the process (purchased), in pounds and gallons;
 - b. the total quantity of soybeans weighed in the preparation process before the hexane extraction operation, in pounds and tons;
 - c. the weighted-average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [a/b];

- d. the rolling, 6-month weighted average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [the sum of c for any 6-month period];
- e. the rolling, 12-month total hexane consumption, in gallons;
- f. all incidents of startup or shutdown of the emissions unit, including all amounts of hexane that are routinely added to the system or returned to the storage tanks due to startup or shutdown. This amount of hexane is process hexane that is present in the system during times of continuous operation, but will drain out of the system during shutdown and needs to be charged back into the system prior to startup. The amount of hexane used to "recharge" the system should not be interpreted as a "hexane loss" in calculating emission rates.;
- g. dates of scheduled cleaning/maintenance; and
- h. dates of any process upsets.
- *Note: it is assumed that all of the hexane input into the process is emitted via point sources (mineral oil absorber and DTDC) and fugitive sources.
4. The permittee shall collect and record the following information on a monthly basis for emissions units P051 and P060, combined:
- a. the total amount of ethanol input* to the process (purchased), in pounds and gallons;
- b. the total quantity of soybeans weighed in the preparation process before the specialty extraction operation, in pounds and tons;
- c. the weighted-average ethanol loss rate, in gallons of ethanol/ton of crushed soybeans, and in pounds ethanol/pound crushed soybeans [a/b];
- d. the rolling, 6-month weighted average ethanol loss rate, in gallons of ethanol/ton of crushed soybeans, and in pounds ethanol/pound crushed soybeans [the sum of c for any 6-month period];
- e. the rolling, 12-month total ethanol consumption, in gallons;
- f. all incidents of startup or shutdown of the emissions unit, including all amounts of ethanol that are routinely added to the system or returned to the storage tanks due to startup or shutdown. This amount of ethanol is process ethanol that is present in the system during times of continuous operation, but will drain out of the system during shutdown and needs to be charged back into the system prior to startup. The amount of ethanol used to "recharge" the system should not be interpreted as a "ethanol loss" in calculating emission rates;
- g. dates of scheduled cleaning/maintenance; and
- h. dates of any process upsets.
- *Note: it is assumed that all of the ethanol input into the process is emitted via point and fugitive sources.
5. When this emissions unit has processed soybeans for 12 operating months following the compliance date in the MACT regulations, the permittee shall begin calculating the compliance ratio (which compares the actual HAP (n-hexane) loss to the allowable HAP (n-hexane) loss for the previous 12 operating months) by the end of each calendar month following an operating month (refer to A.III.1.a below) considering the following conditions and exclusions:
- a. if the emissions unit processes any quantity of soybeans in a calendar month and the emissions unit is not operating under an initial startup period (subject to 40 CFR, Part 63, Section 63.2850(c)(2) or (d)(2)) or malfunction period (subject to 40 CFR, Part 63, Section 63.2850(e)(2)), then the permittee must categorize the month as an operating month;
- b. the 12-month compliance ratio may include operating months occurring prior to the emissions unit shutdown and operating months that follow after the emissions unit resumes operation;
- c. if the emissions unit shuts down and processes no soybeans for an entire calendar month, then the permittee must categorize the month as a nonoperating month, as defined in 40 CFR, Part 63, Section 63.2872 (exclude any nonoperating months from the compliance ratio determination);
- d. if the emissions unit is subject to an initial startup period as defined in 40 CFR, Part 63, Section 63.2872, exclude from the compliance ratio determination any solvent (hexane) and soybean information recorded for the initial startup period;
- e. if the emissions unit is subject to a malfunction period as defined in 40 CFR, Part 63, Section 63.2872, exclude from the compliance ratio determination any solvent (hexane) and soybean information recorded for the malfunction period;
- f. the solvent (hexane) loss factor used to determine the compliance ratio may change each operating month depending on the tons of soybeans processed during all normal operating periods in a 12 operating month period; and
- g. if the compliance ratio is less than or equal to 1.0, the emissions unit was in compliance with the HAP (n-hexane) emission requirements for the previous operating month.

6. By the compliance date in the MACT regulations, in accordance with 40 CFR, Part 63, Section 63.2851, the permittee shall develop and implement a plan for demonstrating compliance. In this plan, the permittee shall describe the procedures that will be followed in obtaining and recording data, and determining compliance under normal operations. The permittee shall complete the plan before the compliance date for this emissions unit and keep it on site and readily available as long as this emissions unit is operational. The plan shall include the following information:
 - a. the name and address of the owner or operator;
 - b. the physical address of the vegetable oil production process;
 - c. a detailed description of all methods of measurement the permittee will use to determine the solvent losses, HAP (n-hexane) content of solvent (hexane), and the tons of soybeans processed;
 - d. when each measurement will be made;
 - e. examples of each calculation the permittee will use to determine the compliance status (include examples of how the permittee will convert data measured with one parameter to other terms for use in compliance determination);
 - f. example logs of how data will be recorded; and
 - g. a plan to ensure that the data continue to meet compliance demonstration needs.
7. For periods of normal operation (i.e., for each operating month), the permittee shall maintain the following records, beginning on the compliance date in the MACT regulations:
 - a. determine and record the extraction solvent (hexane) loss, in gallons, from this emissions unit;
 - b. record the volume fraction of HAP (n-hexane) present at greater than 1 percent, by volume, and gallons of extraction solvent (hexane), in each shipment received;
 - c. determine and record the tons of soybeans processed by this emissions unit;
 - d. determine the weighted average volume fraction of HAP (n-hexane) in extraction solvent (hexane) received as described in 40 CFR, Part 63, Section 63.2854 by the end of the following calendar month; and
 - e. determine and record the actual solvent (hexane) loss, weighted average volume fraction HAP (n-hexane), soybeans processed and compliance ratio for each 12 operating months period as described in 40 CFR, Part 63, Section 63.2840 by the end of the following calendar month.
8. For initial startup periods subject to 40 CFR, Part 63, Section 63.2850(c)(2) or (d)(2), the permittee shall maintain the following records, beginning on the compliance date in the MACT regulations:
 - a. the permittee shall operate and maintain this emissions unit in accordance with the SSM plan;
 - b. determine and record the extraction solvent (hexane) loss, in gallons, from this emissions unit; and
 - c. record the volume fraction of HAP (n-hexane) present at greater than 1 percent, by volume, and gallons of extraction solvent (hexane), in shipment received.
9. If this emissions unit processes any soybeans, the permittee shall record the following information, beginning on the compliance date in the MACT regulations:
 - a. For the solvent (hexane) inventory, record the following information in accordance with the permittee's plan for demonstrating compliance:
 - i. dates that define each operating status period during a calendar month;
 - ii. the operating status of this emissions unit such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval;
 - iii. record the gallons of extraction solvent (hexane) in the inventory on the beginning and ending dates of each normal operating period;
 - iv. the gallons of all extraction solvent (hexane) received, purchased, and recovered during each calendar month;
 - v. all extraction solvent (hexane) inventory adjustments, additions or subtractions (the permittee must document the reason for the adjustment and justify the quantity of the adjustment);
 - vi. the total solvent (hexane) loss for each calendar month, regardless of this emissions unit's operating status; and

- vii. the actual solvent (hexane) loss in gallons for each operating month.
- b. For the weighted average volume fraction of HAP (n-hexane) in the extraction solvent, the permittee shall record the following information:
 - i. the gallons of extraction solvent (hexane) received in each delivery;
 - ii. the volume fraction of each HAP (n-hexane) exceeding 1 percent by volume in each delivery of extraction solvent (hexane); and
 - iii. the weighted average volume fraction of HAP (n-hexane) in extraction solvent (hexane) received since the end of the last operating month as determined in accordance with 40 CFR, Part 63, Section 63.2854 (b)(2).
 - c. Record the following information in accordance with the permittee's plan for demonstrating compliance:
 - i. the dates that define each operating status period (these dates must be the same as the dates entered for the extraction solvent (hexane) inventory);
 - ii. the operating status of this emissions unit such as normal operation, nonoperating, initial startup period, malfunction period, or exempt operation for each recorded time interval;
 - iii. the soybean inventory on the beginning and ending dates of each normal operating period;
 - iv. the tons of soybeans received at this emissions unit during each normal operating period;
 - v. all soybean adjustments, additions or subtractions for normal operating periods (the permittee shall document the reason for the adjustment and justify the quantity of the adjustment); and
 - vi. the tons of soybeans processed during each operating month.
 - d. After this emissions unit has processed soybeans for 12 operating months, and the permittee is not operating during an initial startup period as described in 40 CFR, Part 63, Section 63.2850(c)(2) or (d)(2), or a malfunction period as described in Section 63.2850(e)(2), the permittee shall record the following information by the end of the calendar month following each operating month, beginning on the compliance date:
 - i. the 12 operating months rolling sum of the actual solvent (hexane) loss in gallons as described in Section 63.2853(c);
 - ii. the weighted average volume fraction of HAP (n-hexane) in extraction solvent (hexane) received for the previous 12 operating months as described in Section 63.2854(b)(3);
 - iii. the 12 operating months rolling sum of soybeans processed at this emissions unit in tons as described in Section 63.2855(c);
 - iv. a determination of the compliance ratio (using the values from Sections 63.2853, 63.2854, 63.2855, and Table 1 of Section 63.2840, calculate the compliance ratio using Equation 2 of Section 63.2840); and
 - v. a statement of whether this emissions unit is in compliance with all of the requirements of 40 CFR, Part 63, Subpart GGGG. This includes a determination of whether the permittee has met all of the applicable requirements in Section 63.2850.
 - e. For each SSM event subject to an initial startup period as described in 40 CFR, Part 63, Section 63.2850 (c)(2) or (d)(2), or a malfunction period as described in Section 63.2850(e)(2), the permittee shall record the following information by the end of the calendar month following each month in which the initial startup period or malfunction period occurred, beginning on the compliance date:
 - i. a description and date of the SSM event, its duration, and reason it qualifies as an initial startup or malfunction;
 - ii. an estimate of the solvent (hexane) loss in gallons for the duration of the initial startup or malfunction period with supporting documentation; and
 - iii. a checklist or other mechanism to indicate whether the SSM plan was followed during the initial startup or malfunction period.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified in section A.II.2 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying materials (i.e., photochemically reactive materials)

- in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the date of the daily record indicating noncompliance.
3. The permittee shall submit quarterly deviation (excursion) reports for the following (for emissions units P043 and P051, combined):
 - a. any monthly record that shows an exceedance of the limitation of 285,400 gallons (811.2 tons) hexane/rolling 12-month period;
 - b. any monthly record that shows an exceedance of the limitation of 0.388 gallon hexane/ton of crushed soybeans (0.00075 pound of hexane/pound of crushed soybeans from P043 and 0.0035 pound of hexane/pound of crushed soybeans from P051) based on a 6-month rolling, weighted average; and
 - c. any monthly record that shows any exceedance of the limitation of 67.6 tons hexane/month.
 4. The permittee shall submit quarterly deviation reports for the following (for emissions units P051 and P060, combined):
 - a. any monthly record that shows an exceedance of the limitation of 152,302 gallons (552.0 tons)/rolling 12-month period; and
 - b. any monthly record that shows an exceedance of the limitation of 0.012 pounds per pound of white flakes (0.0011 pound of alcohol per pound of white flakes from P051 and 0.011 pound of alcohol per pound of white flakes from P060), based on a 6-month rolling weighted average; and
 - c. any monthly record that shows any exceedance of the limitation of 46.0 tons/month.
 5. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
 6. The permittee shall submit the initial notification for existing sources in accordance with 40 CFR, Part 63, Section 63.2860. This is a one-time notification submitted to the Director (the appropriate District Office or local air agency) no later than 120 days after the effective date of 40 CFR, Part 63, Subpart GGGG, which includes the following information:
 - a. the name and address of the owner or operator;
 - b. the physical address of the vegetable oil production process;
 - c. identification of the relevant standard, such as the vegetable oil production NESHAP, and compliance date;
 - d. a brief description of the emissions unit including the types of listed oilseeds (e.g., soybeans) processed, nominal operating capacity, and type of desolventizer(s) used; and
 - e. a statement designating the emissions unit as a major source of HAP (n-hexane) or a demonstration that the emissions unit meets the definition of an area source. An area source is an emissions unit that is not a major source and is not collocated within a plant site with other emissions units that are individually or collectively a major source.
 7. The permittee shall submit the initial notification for significant modifications to existing or new sources prior to any such modification (refer to 40 CFR, Part 63, Section 63.2860).
 8. The permittee shall submit a notification of compliance status for the MACT regulations once compliance is achieved in accordance with 40 CFR, Part 63, Section 63.2860. The permittee shall submit a notification of compliance status report to the Director (appropriate District Office or local air agency) no later than 60 days after determining the initial 12 operating months compliance ratio. If the emissions unit is an existing source, the permittee should submit this notification no later than 50 calendar months after the effective date of these NESHAP (36 calendar months for compliance, 12 operating months to record data, and 2 calendar months to complete the report). If the emissions unit is a new or reconstructed source, the notification of compliance status is generally due no later than 20 calendar months after initial startup (6 calendar months for the initial startup period, 12 operating months to record data, and 2 calendar months to complete the report). The notification of compliance status must contain the following information:
 - a. the name and address of the owner or operator;
 - b. the physical address of the vegetable oil production process;
 - c. each listed oilseed type (e.g., soybeans) processed during the previous 12 operating months;
 - d. each HAP (n-hexane) identified under Section 63.2854(a) as being present in concentrations greater than 1 percent by volume in each delivery of solvent (hexane) received during the 12 operating months period used for the initial compliance determination;
 - e. a statement designating the emissions unit as a major source of HAP (n-hexane) or a demonstration that the emissions unit qualifies as an area source (an area source is a source that is not a major source and is not collocated within a plant site with other emissions units that are individually or collectively a major source) and;

documentation.

12. Beginning on the compliance date in the MACT regulations, the permittee shall submit immediate SSM reports in accordance with 40 CFR, Part 63, Section 63.2861(d). If the permittee handles a SSM during an initial startup period subject to Section 63.2850(c)(2) or (d)(2) or a malfunction period subject to Section 63.2850(e)(2) differently from procedures in the SSM plan, then the permittee must submit an immediate SSM report. Immediate SSM reports consist of a telephone call or facsimile transmission to the Director (appropriate District Office or local air agency) within 2 working days after starting actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event. The letter must include the following information:
 - a. the name, title, and signature of a facility's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the emissions unit's SSM plan;
 - b. a description and date of the SSM event, its duration, and reason it qualifies as a SSM; and
 - c. an estimate of the solvent (hexane) loss for the duration of the SSM event with supporting documentation.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
2.30 pounds PE/hour

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation in accordance with the methods specified in OAC rule 3745-17-03(B)(10).

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).
 - c. Emission Limitations:
85.0 tons hexane/month, 811.2 tons hexane/rolling, 12-month period

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitations above based upon the record keeping required in Section A.III.4 of the terms and conditions of this permit.
 - d. Emission Limitation:
0.388 gallon hexane/ton crushed soybeans, based on a rolling, 6-month weighted average (combined with P043)

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitation above based upon the record keeping required in Section A.III.4.
 - e. Emission Limitation:
0.0035 pound of hexane/pound of crushed soybeans (for emissions unit P051)

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation based upon the record keeping required in Section A.III.4 of the terms and conditions of this permit.
 - f. Emission Limitation:
0.0011 pound of ethanol per pound of white flakes (for emissions unit P051)

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hexane emission limitation of 0.388 gallon/ton crushed soybeans based upon the record keeping required in Section A.III.5 of the terms and conditions of this permit.
 - g. Emission Limitations:
58.0 tons ethanol/month, 552.0 tons ethanol/rolling, 12-month period

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitations above based upon the record keeping required in Section A.III.5 of the terms and conditions of this permit.

- h. Emission Limitation:
0.20 gallon hexane/ton crushed soybeans, based on a 12-month rolling, weighted average

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hexane emission limitation above based upon the record keeping required in Section A.III of the terms and conditions of this permit.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P051 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P052 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
bulk truck loadout, with baghouse	OAC rule 3745-17-11(B)	none (See section A.I.2.a.)
	OAC rule 3745-17-07(A)	none (See Section A.I.2.b.)
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.06 pound particulate emissions (PE)/hour
		0.26 ton PE/year
		Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

2. **Additional Terms and Conditions**
 - a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(3). Also, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Huron County.
 - b. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07 (A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable .

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and

d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
0.06 pound PE/hour, 0.26 ton/year

Applicable Compliance Method: The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the maximum hourly throughput (tons/hour) by the emission factor from AP-42, Table 9.9.1-1 (revised 5/98) of 0.086 pound PE/ton and then multiplying by a control factor of (1-.99).

If required, the test methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

* The control efficiency of the baghouse is estimated to be 99%.
 - b. Emission Limitation:
10 percent opacity, as a 6-minute average

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: P052 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P053 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
grinder #1 - white flakes, system with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.13 pound particulate emissions (PE)/hour

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

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP053) to control the all PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
2. 0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P053 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P054 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
grinder #2 - white flakes, system with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.13 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP053) to control the all PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
2. 0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P054 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P055 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
grinder #3 - white flakes, system with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.13 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP053) to control the all PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
2. 0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: P055 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P057 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
bulk storage bins, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A) OAC rule 3745-31-05 (PTI No. 03-4114)	See Section A.I.2.b. See Section A.I.2.b. 0.075 pound particulate emissions (PE)/hour Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse (CEP058B) to control the all PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. **Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
0.075 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (220 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation:
Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method:

The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P057 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P058 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
grinding & packaging aspiration, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.20 pound particulate emissions (PE)/hour
		Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP058B) to control the all PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible

emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitation:
0.20 pound PE/hour

Applicable Compliance Method:

The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (4,600 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

b. Emission Limitation:
Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method:

The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P058 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P060 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
ethanol soybean extraction operation	OAC rule 3745-21-07(G) OAC rule 3745-31-05 (PTI No. 03-3636)	none (See Section A.II.1.) ethanol emissions: 58.0 tons organic compounds (OC)/month (combined with P051) 552.0 tons OC/rolling, 12-month period (combined with P051)

2. Additional Terms and Conditions

- a. Ethanol consumption, i.e., emission rates from the ethanol extraction operations in emissions units P051 and P060 combined, shall be determined on a "mass balance" basis. Consumption, i.e., emission rates, shall not exceed the following levels:
 - (a)
 - i. total ethanol consumption in emissions units P051 and P060 combined shall not exceed 152,302 gallons (552.0 tons)/rolling, 12-month period;
 - ii. ethanol consumption in emission units P051 and P060 combined shall not exceed 0.012 pounds per pound of white flakes (0.0011 pound of alcohol per pound of white flakes from P051 and 0.011 pound of alcohol per pound of white flakes from P060), based on a 6-month rolling weighted average; and
 - iii. the short-term loss of ethanol from emissions units P051 and P060 combined shall not exceed 58.0 tons/month.

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II. Operational Restrictions

1. The permittee shall not employ any material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain the following information each month for this emissions unit:
 - a. the company identification of each liquid organic material employed; and
 - b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.
2. The permittee shall collect and record the following information on a monthly basis for emissions units P051 and P060, combined:
 - a. the total amount of ethanol input* to the process (purchased), in pounds and gallons;
 - b. the total quantity of soybeans weighed in the preparation process before the specialty extraction operation, in pounds and tons;
 - c. the weighted-average ethanol loss rate, in gallons of ethanol/ton of crushed soybeans, and in pounds ethanol/pound crushed soybeans [a/b];
 - d. the rolling, 6-month weighted average ethanol loss rate, in gallons of ethanol/ton of crushed soybeans, and in pounds ethanol/pound crushed soybeans [the sum of c for any 6-month period];
 - e. the rolling, 12-month total ethanol consumption, in gallons;
 - f. all incidents of startup or shutdown of the emissions unit, including all amounts of ethanol that are routinely added to the system or returned to the storage tanks due to startup or shutdown. This amount of ethanol is process ethanol that is present in the system during times of continuous operation, but will drain out of the system during shutdown and needs to be charged back into the system prior to startup. The amount of ethanol used to "recharge" the system should not be interpreted as a "ethanol loss" in calculating emission rates;
 - g. dates of scheduled cleaning/maintenance; and
 - h. dates of any process upsets.

*Note: it is assumed that all of the ethanol input into the process is emitted via point and fugitive sources.

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IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying materials (i.e., photochemically reactive materials) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the date of the daily record indicating noncompliance.
2. The permittee shall submit quarterly deviation reports for the following (for emissions units P051 and P060, combined):
 - a. any monthly record that shows an exceedance of the limitation of 152,302 gallons (552.0 tons)/rolling 12-month period; and
 - b. any monthly record that shows an exceedance of the limitation of 0.012 pound per pound of white flakes (0.0011 pound of alcohol per pound of white flakes from P051 and 0.011 pound of alcohol per pound of white flakes from P060), based on a 6-month rolling weighted average; and
 - c. any monthly record that shows any exceedance of the limitation of 58.0 tons.

All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitations:
58.0 tons ethanol/month, 552.0 tons ethanol/rolling, 12-month period

Applicable Compliance Method:

The permittee shall demonstrate compliance with the emission limitations above based upon the record keeping required in Section A.III.2 of the terms and conditions of this permit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P060 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2.	Additional Terms and Conditions		
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P061 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
Promosoy conveying to grinding, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.04 pound particulate emissions (PE)/hour
		Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP061B) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible

emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
0.04 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (830 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P061 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P062 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
Promosoy extraction conveying to packaging, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.035 pound particulate emissions (PE)/hour
		Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP061B) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
0.035 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (820 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: P062 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P063 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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vacuum cleaning system (concentrate), with baghouse	OAC rule 3745-17-11(B)	Measures See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4639)	0.012 pound particulate emissions (PE)/hour

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

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The 0.012 pound PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

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II. Operational Restrictions

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
- 2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

- 1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
- 2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitation:
0.012 pound PE/hour

Applicable Compliance Method:

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P063 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P064 Issuance type: Title V Final Permit

A. **State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
promosoy vacuum cleaner system, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4639)	0.012 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The 0.012 pound PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
0.012 pound PE/hour

Applicable Compliance Method:
The permittee shall determine compliance with the hourly allowable PE limitation by dividing the maximum quantity of the material collected in the baghouse (32 pounds/hour) by the overall control efficiency of the baghouse (99.97), and then multiplying this value by (1-0.9997).

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: P064 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
2. Additional Terms and Conditions		

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P065 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
bulk filter aid, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-5828)	0.035 pound particulate emissions (PE)/hour
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).		

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established

pursuant to OAC rule 3745-31-05(A)(3).

- c. The 0.035 pound PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
0.035 pound PE/hour

Applicable Compliance Method:
The permittee shall determine compliance with the hourly allowable PE limitation by dividing the maximum quantity of the material collected in the baghouse (96 pounds/hour) by the overall control efficiency of the baghouse (99.97), and then multiplying this value by (1-0.9997).

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR Part 60, Appendix A.

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P065 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P066 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
soybean meal cooler, with cyclone	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-13045)	3.66 pounds PE/hour, 16.0 tons/year
		2.93 pounds PM10/hour, 12.8 tons PM10/year
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a cyclone (CEP066) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the cyclone (CEP066) shall be maintained within the range of 0.5 to 10 inches of water while this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the cyclone while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the cyclone on a daily basis.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitations:
3.66 pounds PE/hour, 16.0 tons/year

Applicable Compliance Method:

The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the process weight rate (tons/hour) by an emission factor of 0.032 pound PE/ton (based on the results of emission testing on a similar unit at another Central Soya facility).

If required, the test methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

- c. Emission Limitations:
2.93 pounds PM10/hour, 12.8 tons PM10/year

Applicable Compliance Method:

The permittee may demonstrate compliance with the hourly allowable PM10 limitation by multiplying the hourly PE rate by a factor of 0.8 (the permittee has determined that 80% of the PE is PM10).

If required, the test methods to be employed to demonstrate compliance with the PM10 limitation shall be Methods 1 through 5 (including the weight of the back half of the filter), or Methods 201, or 201A, which are located in 40 CFR, Part 60, Appendix A

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P066 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P067 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
bleaching earth receiving system, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-6854)	0.21 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP067B) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. The 0.21 pound PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with this limitation.

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II. Operational Restrictions

- 1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
0.21 pound PE/hour

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PE limitation by multiplying the maximum quantity of material received (210 pounds/hour) by the estimated control efficiency of the control device (99.9%).

If required, the test methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P067 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P069 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
warehouse bag dump station, with 2 baghouses	OAC rule 3745-17-11(B)	none (See Section A.I.2.a.)
	OAC rule 3745-17-07(A)	none (See Section A.I.2.a.)
	OAC rule 3745-31-05 (PTI No. 03-6843)	0.27 pound particulate emissions (PE)/hour

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(3). Also, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Huron County.
- b. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

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II. **Operational Restrictions**

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 8 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
Emission Limitation:
0.27 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (4.8 cubic feet/minute and 375 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the methods to be employed to demonstrate compliance with the hourly allowable PE limitation

shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P069 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P073 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
Centrex packaging system, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-7780)	0.11 pound particulate emissions (PE)/hour
		Visible emissions shall not exceed 0 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP073) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 15 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and

shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.1 of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
0.11 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (2,100 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation:
Visible emissions shall not exceed 0 percent opacity, as a six-minute average.

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P073 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P075 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
bulk filter aid with 2 baghouses	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-8237)	0.035 pound particulate emissions (PE)/hour
The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).		

2. Additional Terms and Conditions

- a. The permittee shall employ 2 baghouses (CEP075B and CEP075D) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

- 1. The pressure drop across each baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.
2. 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 baghouses 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions.

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouses serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
0.035 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (537 cubic feet/minute and 128 cubic feet/minute) and dividing by 7000, then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: P075 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
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2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P076 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
bucket elevator leg #6, with baghouse	OAC rule 3745-17-11(B) OAC rule 3745-17-07(A) OAC rule 3745-31-05 (PTI No. 03-7977)	See Section A.I.2.b. See Section A.I.2.b. 0.25 pound particulate emissions (PE)/hour Visible emissions shall not exceed 20 percent opacity, as a three-minute average.

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP076) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

- 1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
- 2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

- 1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
- 2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

- 1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
0.25 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (5,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation:
Visible emissions shall not exceed 0 percent opacity, as a six-minute average.

Applicable Compliance Method:

The method to be employed to demonstrate compliance with this visible emissions limitation shall be method 9, which is located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

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Facility ID: 0339010005 Emissions Unit ID: P076 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2.	Additional Terms and Conditions		
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P077 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
clean bean conveying, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-13045)	0.043 pound PE/hour, 0.19 ton/year
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEPREPA) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse (CEPREPA) shall be maintained within the range of 0.5 to 10 inches of water while this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitations:
0.043 pound PE/hour, 0.19 ton/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (1,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P077 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P078 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
mine run B product, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.038 pound PE/hour
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP078) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:

0.038 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (890 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

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Facility ID: 0339010005 Emissions Unit ID: P078 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P079 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
number 4 concentrate grinder, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.13 pound PE/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while this emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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:
- the color of the emissions;
 - the cause of the visible emissions;
 - the total duration of any visible emission incident; and
 - any corrective actions taken to eliminate the visible emissions

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
- Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:

The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

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Facility ID: 0339010005 Emissions Unit ID: P079 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Issuance type: Title V Final Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P080 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
number 5 concentrate grinder, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.13 pound PE/hour
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while this emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
- c. the total duration of any visible emission incident; and
- d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: P080 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
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2. **Additional Terms and Conditions**
 1. None

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P081 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
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B plant concentrate conveying from grinding to storage, with baghouse

OAC rule 3745-17-11(B)

See Section A.I.2.b.

OAC rule 3745-17-07(A)

Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided

OAC rule 3745-31-05
(PTI No. 03-9547)

by rule.
0.011 pound PE/hour

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

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5 inches of water while this emissions unit is in operation.

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

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

IV. **Reporting Requirements**

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
0.011 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (250 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0339010005 Emissions Unit ID: P081 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0339010005 Emissions Unit ID: P082 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
packaging aspiration, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-10474)	0.13 pound PE/hour, 0.57 ton/year
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

- a. The permittee shall employ a baghouse (CEP082) to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. Operational Restrictions

1. The pressure drop across the baghouse (CEPREPA) shall be maintained within the range of 0.25 to 5 inches of water while this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director

(the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitations:

0.13 pound PE/hour, 0.57 ton/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (2,500 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P082 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0339010005 Emissions Unit ID: P083 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
number 6 concentrate grinder, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.13 pound PE/hour
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. **Additional Terms and Conditions**

- a. The permittee shall employ a baghouse to control all the PE from this emissions unit.
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

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II. **Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.
2. 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 baghouse 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. the cause of the visible emissions;
 - c. the total duration of any visible emission incident; and
 - d. any corrective actions taken to eliminate the visible emissions

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IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0339010005 Emissions Unit ID: P083 Issuance type: Title V Final Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None