

Facility ID: 0363000002 Issuance type: Title V Draft 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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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. The permittee shall record the daily production rates and kiln feed rates.
40 CFR 60.63(a)
The permittee shall record the daily production rates and kiln feed rates.
40 CFR 60.63(a)

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b State Only Enforceable Section

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

Mill Building, Ohio EPA emissions unit Z001;
Slurry Tanks, Ohio EPA emissions unit Z002; and
Kiln Building, Ohio EPA emissions unit Z003.

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 for the emissions unit.

The following insignificant emissions units are located at this facility:

Mill Building, Ohio EPA emissions unit Z001;
Slurry Tanks, Ohio EPA emissions unit Z002; and
Kiln Building, Ohio EPA emissions unit Z003.

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 for the emissions unit.

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- [Go to Part III for Emissions Unit P001](#)
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- [Go to Part III for Emissions Unit P004](#)
- [Go to Part III for Emissions Unit P005](#)
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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0363000002 Emissions Unit ID: F001 Issuance type: Title V Draft 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>
quarry - mineral extraction	OAC rule 3745-17-08(B)	See 2.a below.
	OAC rule 3745-17-07(B)	See 2.b below.

2. Additional Terms and Conditions

- a. This facility is located in Paulding County which is not an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08(B).
- b. This emissions unit is exempt from the visible particulate emission limitation in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(7)(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: 0363000002 Emissions Unit ID: F001 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: F002 Issuance type: Title V Draft 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>
aggregate (limestone) storage piles	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	See 2.a below. See 2.b below.

2. Additional Terms and Conditions

- a. This facility is located in Paulding County which is not an "Appendix A" area as indicated in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08(B).
- b. This emissions unit is exempt from the visible particulate emission limitation in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(7)(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: 0363000002 Emissions Unit ID: F002 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: F003 Issuance type: Title V Draft 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>
plant roadways and parking areas	OAC rule 3745-17-08(B)	See 2.a below.
	OAC rule 3745-17-07(B)	See 2.b below.

2. Additional Terms and Conditions

- a. This facility is located in Paulding County which is not an "Appendix A" area as indicated in of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08(B).
- b. This emissions unit is exempt from the visible particulate emission limitation in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(7)(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: 0363000002 Emissions Unit ID: F003 Issuance type: Title V Draft 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: 036300002 Emissions Unit ID: P001 Issuance type: Title V Draft 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>
cement storage, with baghouse	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.

2. **Additional Terms and Conditions**
 - a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
 - b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P001 Issuance type: Title V Draft 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.

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: 0363000002 Emissions Unit ID: P002 Issuance type: Title V Draft 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>
cement storage and truck bulk loadout, with baghouse	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr.

Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.

- b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P002 Issuance type: Title V Draft 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: 0363000002 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0363000002 Emissions Unit ID: P003 Issuance type: Title V Draft 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>
cement packaging machine, with process baghouse	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P003 Issuance type: Title V Draft 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: 036300002 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 036300002 Emissions Unit ID: P004 Issuance type: Title V Draft 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 product loading, with process baghouse	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.

2. Additional Terms and Conditions

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P004 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P005 Issuance type: Title V Draft 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>
cement packaging machine, with process baghouse	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P005 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P006 Issuance type: Title V Draft 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>
cement truck loading, with process baghouse	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.
2. Additional Terms and Conditions		
a.	The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.	
b.	This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P006 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P007 Issuance type: Title V Draft 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
grinding ball mill for clinker and gypsum - 34 tons/hr - with process baghouse	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P007 Issuance type: Title V Draft 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: 0363000002 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0363000002 Emissions Unit ID: P008 Issuance type: Title V Draft 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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grinding ball mill for clinker and gypsum - 34 tons/hr - with process baghouse	OAC rule 3745-17-11(B)	See 2.a below.
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	OAC rule 3745-17-07(A)	See 2.b below.
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2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P008 Issuance type: Title V Draft 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: 0363000002 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0363000002 Emissions Unit ID: P009 Issuance type: Title V Draft 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 ball mill for clinker and gypsum - 28 tons/hr - with process baghouse	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P009 Issuance type: Title V Draft 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: 036300002 Emissions Unit ID: P013 Issuance type: Title V Draft 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>
limestone hammermill crusher - 1000 tons/hr - with baghouse	OAC rule 3745-17-11(A)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.

2. Additional Terms and Conditions

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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. 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: 0363000002 Emissions Unit ID: P013 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P014 Issuance type: Title V Draft 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>
cement kiln (north), with baghouse	OAC rule 3745-17-11(A)	75 pounds per hour (lbs/hr) of particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-69(B)	43.0 pounds sulfur dioxide per ton of cement produced
	40 CFR 61.348	Exempt, pursuant to 40 CFR 61.348(d)(4)
	OAC rule 3745-31-05 (PTI #03-976)	See 2.a below.
	OAC rule 3745-77-07(A)	See Sections A.II.2 and 3 below.

2. Additional Terms and Conditions

- a. The terms and conditions of the permit to install, which was issued on November 17, 1980, were made obsolete by the promulgation of Title 40, Parts 260, 261, 264, 265, 266, 270, and 271 on February 21, 1991.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 6 to 15 inches of water while the emissions unit is in operation.
2. Waste-derived fuel that is to be burned in the kiln shall conform to the specifications listed in Schedule A (Specifications of Blended Waste-Derived Fuel) below:

SCHEDULE A:

SPECIFICATIONS OF BLENDED WASTE-DERIVED FUEL

Sulfur 3% sulfur

Halogens 5% maximum

Inorganic Acids and Bases extractable pH between 4.0 and 11.0

Water 1% maximum as separated phase

PCB <50 PPM

3. The permittee shall comply with all State and federal laws and regulations including, but not limited to, the Toxic Substances Control Act of 1979. No registered herbicides, pesticides, rodenticides, insecticides, or radioactive wastes as defined by ASTM Method D5928, or other materials shall be combusted in this emissions unit in violation of State and federal laws and regulations.

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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 an hourly basis.
2. The permittee shall operate and maintain equipment to continuously monitor and record the opacity of the PE from this emissions unit as the emissions exit the exhaust stack. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

Each continuous opacity monitoring system (COMS) consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and the data recording/processing hardware and software. For a stack which serves multiple emissions units which monitor opacity individually, "combiner" hardware/software shall also be incorporated into the COMS.

The permittee shall maintain a certification letter from the Ohio EPA documenting that the COMS has been certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. Notification of the testing of the COMS for certification purposes shall be made to Ohio EPA, Central Office, following the requirements of 40 CFR Part 60.7. ??The letter of certification shall be made available to the Director upon request??.

The permittee shall maintain records of the following data obtained by the COMS: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

3. The permittee shall collect or require the coal/coke supplier to collect a representative grab sample of each shipment of coal/coke that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the coal/coke sampling in accordance with ASTM method D2234, and analyze the coal sample for sulfur content (percent by weight).

The analytical methods for sulfur content determination shall be: ASTM method D3177 or ASTM method D4239. Alternative, equivalent methods may be used upon written approval by Ohio EPA Northwest District Office.

4. The permittee shall collect or require the blended waste derived fuel supplier to collect a representative grab sample of each batch of blended waste derived fuel to be burned in this emissions unit. All the samples collected each calendar month shall be combined into a composite sample. Each composite sample shall be analyzed for sulfur content (percent by weight). Alternately, a separate analysis may be performed for each batch grab sample, and a monthly arithmetic average of all the analyses computed.

The analysis for sulfur content shall be performed in accordance with ASTM method D4294, ASTM method D240, or ASTM method 6010. Alternative equivalent methods may be used upon written approval by Ohio EPA Northwest District Office.

5. The permittee shall collect or require to be collected on a daily basis, a representative grab sample of raw material slurry, clinker, and cement kiln dust produced from or fed into this emissions unit. All the samples collected each calendar month shall be combined into a composite sample. Each composite sample shall be analyzed for sulfur content (percent by weight). Alternately, an analysis may be performed for each daily grab sample, and the analytical results for all the daily grab samples may be used to calculate a monthly arithmetic average.

The analysis for sulfur content shall be performed in accordance with ASTM method C114. Alternative equivalent methods may be used upon written approval by Ohio EPA Northwest District Office.

6. In addition to fuel analysis information, the permittee shall calculate (if necessary) and record each month the following information:
 - a. the amount of each coal/coke shipment, in pounds, and the total blended waste derived fuel, in gallons and pounds per batch, burned in this emissions unit;
 - b. the amount of raw material slurry, clinker, and cement kiln dust, in pounds, used in or produced by this emissions unit;
 - c. the total number of pounds of sulfur dioxide emitted from this emissions unit, calculated as follows:
 - i. multiply the sulfur content of coal by the number of pounds of coal that were burned in this emissions unit;
 - ii. multiply the sulfur content of the blended waste derived fuel by the number of pounds of blended waste derived fuel that were burned in this emissions unit;
 - iii. multiply the sulfur content of the raw material slurry by the number of pounds of raw material slurry processed in this emissions unit;
 - iv. multiply the sulfur content of the clinker by the number of pounds of clinker produced by this emissions unit;
 - v. multiply the sulfur content of the cement kiln dust by the number of pounds of cement kiln dust produced by this emissions unit; and
 - vi. calculate the SO₂ emissions, in pounds, as follows:

SO2 emissions (lbs/month) = 2* x [(i + ii + iii) - (iv + v)];

- d. the total number of tons of cement made from clinker produced in this emissions unit during each calendar month; and
- e. the sulfur dioxide emitted from this emissions unit for each ton of cement (made from clinker produced in this emissions unit) produced, i.e., the total pounds of sulfur dioxide emitted from this emissions unit during each calendar month divided by the number of tons of cement made from clinker produced in this emissions unit during each calendar month.

* This factor (64/32) is required to convert sulfur to SO2 since 1 lb-mole (32 lbs) of sulfur will yield 1 lb-mole (64 lbs) of SO2 (S + O2 ----> SO2).

- 7. Chemical analyses of the blended waste-derived fuel fed to the kiln shall be conducted daily. The analyses shall be performed in accordance with the test methods specified in OAC rule 3745-54-13 and/or 40 CFR Part 264.13, as applicable, and, at a minimum, shall include the analyses of the following:

- a. Halogen content and sulfur content, in weight percent (wt %).
- b. Polychlorinated biphenols (PCB) concentration, in PPM.
- c. pH.

If no materials have been added to the blended waste-derived fuel being fed to the kiln, the chemical analyses from the previous day will be sufficient to demonstrate compliance with this condition.

- 8. A minimum sample of 100 milliliters (ml) shall be taken from each batch of blended-waste derived fuel. Each sample shall be saved for a period of at least 90 days.

Any sample or measurement taken for the purpose of monitoring shall be a representative sample or measurement, as such term is defined and used in the Ohio hazardous waste rules. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of OAC rule 3745-51-20, Laboratory Methods. Laboratory methods must be those specified in Test Methods for the Evaluation of Solid Waste: Physical/Chemical Methods, SW-846, November 1986, and additional supplements or editions thereof; or any equivalent methods as specified in the approved waste analyses plan or as such term is defined and used in the Ohio hazardous waste rules.

- 9. The records of sampling and monitoring information required in 7 and 8 above shall specify the following:

- a. the date(s), source of sample, time(s) and method(s) of sampling or measurement;
- b. the individual(s) who collected the sample or performed the measurements;
- c. the date(s) analyses were performed;
- d. the individual(s) who performed the analyses;
- e. the analytical technique(s) or method(s) used; and
- f. the results of such analyses.

- 10. For quality assurance purposes, the Director may at his discretion, require that the permittee submit samples to an independent laboratory, other than Systech, for detailed chemical analyses for any or all of the constituents listed in Schedule A, condition B.VI.1. The samples may include any materials retained as a requirement of condition B.III.2 or any sample taken at the point of generation. The frequency for these independent analyses, which shall be conducted at the permittee's expense, shall not exceed four (4) per year under normal operating conditions.

- 11. On a quarterly basis, the permittee shall conduct a performance audit linearity check on the COMS using an audit jig with NIST certified neutral density filters in accordance with the procedures specified in U.S. EPA document, EPA 450/4-92-010. Should the COMS fail to achieve the calibration error percentage required by 40 CFR Part 60, Appendix B, PS 1, Table 1-1, the COMS shall be recalibrated and acceptable results verified by a successful performance audit linearity check.

- 12. The permittee shall maintain a file of all measurements, data, reports and any other activities involving the COMS in a form suitable for inspection.

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IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify each period when the recorded pressure drop across the baghouse was not within the range specified in Section A.II.1 of these terms and conditions. The deviation reports shall be submitted as specified in General Condition 3 of this permit.
- 2. The permittee shall submit reports within 30 days following the end of each calendar quarter to Ohio EPA Northwest District Office documenting all instances of stack opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective action(s) taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The reports shall also identify any COMS downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that

effect along with the date, time, reason, and corrective action(s) taken for each time period of monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report.

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

3. The permittee shall submit quarterly reports summarizing the results of the monthly information compiled in accordance with Section A.III.6. These reports shall be submitted to Ohio EPA Northwest District Office by February 15, May 15, August 15 and November 15 of each year, and shall present the data collected during the previous calendar quarter.
4. Within 120 days after promulgation of 40 CFR Part 63, Subpart EEE, the permittee shall submit an Initial Notification Report which certifies whether or not the permittee is subject to the promulgated standard. If the permittee is subject to the final standard, the following information shall also be included in the Initial Notification Report:
 - a. the name and mailing address of the permittee;
 - b. the physical location of the source if it is different from the mailing address;
 - c. identification of the relevant Maximum Achievable Control Technology (MACT) standard and the permittee's compliance date;
 - d. a brief description of the nature, design, size, and method of operation of the source, including the operating design capacity and an identification of each emission point of each hazardous air pollutant; and
 - e. a statement of whether or not the permittee is a major source or an area source according to the promulgated MACT.
5. Within 60 days following completion of the required compliance demonstration activity specified in 40 CFR Part 63, Subpart EEE, the permittee shall submit a notification of compliance status that contains the following information:
 - a. the methods used to determine compliance;
 - b. the results of any performance tests, opacity or visible emissions observations, continuous monitoring systems, performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - c. the methods that will be used for determining continuous compliance, including a description of monitoring and reporting requirements and test methods;
 - d. the type and quantity of hazardous air pollutants emitted by the source, reported in units and averaging times in accordance with the test methods specified in 40 CFR Part 63, Subpart EEE;
 - e. an analysis demonstrating whether the affected source is a major source or an area source;
 - f. a description of the air pollution control equipment or method for each emissions point, including each control device or method for each hazardous air pollutant and the control efficiency (percent) for each control device or method; and
 - g. a statement of whether or not the permittee has complied with the requirements of 40 CFR Part 63, Subpart EEE.
6. The permittee shall submit quarterly deviation (excursions) reports which specify all exceedances of the limitations/restrictions specified in section A.II.2 of this permit.

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V. **Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:
The permittee shall demonstrate compliance with the VE limitation above pursuant to OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
43 pounds of sulfur dioxide per ton of cement produced

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limit based on the record keeping requirements in section A.III and the results of emission testing conducted in accordance with USEPA Methods 1 - 4 and 6, 40 CFR Part 60, Appendix A.
 - c. Emission Limitation:
75 lbs/hr of PE

Applicable Compliance Method:

The permittee shall demonstrate compliance with the emission limit based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR Part 60, Appendix A.

2. 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 by no later than November 12, 2000 and within six months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.
 - c. The test method which shall be employed to demonstrate compliance with the allowable mass emission rate for PE is Method 5 of 40 CFR Part 60, Appendix A.
 - d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northwest District Office and the Ohio EPA Central Office. 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 refusal to accept the results of the emission test(s).

Personnel from Ohio EPA Northwest District Office and/or Central Office 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 Ohio EPA Northwest District Office and Central Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from Ohio EPA Central Office.

3. 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 approximately 2.5 years after permit issuance and within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable emission rate for sulfur dioxide.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): OAC rule 3745-18-04(A). Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
 - d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northwest District Office and the Ohio EPA Central Office. 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 refusal to accept the results of the emission test(s).

Personnel from Ohio EPA Northwest District Office and/or Central Office 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 Ohio EPA Northwest District Office and Central Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from Ohio EPA Central Office.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0363000002 Emissions Unit ID: P014 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P015 Issuance type: Title V Draft 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.

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>
cement kiln (south), with baghouse	OAC rule 3745-17-11(A)	75 pounds per hour (lbs/hr) of particulate emissions (PE)
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-18-69(B)	43.0 pounds sulfur dioxide per ton of cement produced
	40 CFR 61.348	Exempt, pursuant to 40 CFR 61.348(d)(4)
	OAC rule 3745-31-05 (PTI #03-976)	See 2.a below.
	OAC rule 3745-77-07(A)	See Sections A.II.2 and 3 below.

2. Additional Terms and Conditions

- a. The terms and conditions of the permit to install, which was issued on November 17, 1980, were made obsolete by the promulgation of Title 40, Parts 260, 261, 264, 265, 266, 270, and 271 on February 21, 1991.

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II. Operational Restrictions

- 1. The pressure drop across the baghouse shall be maintained within the range of 6 to 15 inches of water while the emissions unit is in operation.
- 2. Waste-derived fuel that is to be burned in the kiln shall conform to the specifications listed in Schedule A (Specifications of Blended Waste-Derived Fuel) below:

SCHEDULE A:

SPECIFICATIONS OF BLENDED WASTE-DERIVED FUEL

Sulfur 3% sulfur

Halogens 5% maximum

Inorganic Acids and Bases extractable pH between 4.0 and 11.0

Water 1% maximum as separated phase

PCB <50 PPM

- 3. The permittee shall comply with all State and federal laws and regulations including, but not limited to, the Toxic Substances Control Act of 1979. No registered herbicides, pesticides, rodenticides, insecticides, or radioactive wastes as defined by ASTM Method D5928, or other materials shall be combusted in this emissions unit in violation of State and federal laws and regulations.

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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 an hourly basis.
- 2. The permittee shall operate and maintain equipment to continuously monitor and record the opacity of the PE from this emissions unit as the emissions exit the exhaust stack. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

Each continuous opacity monitoring system (COMS) consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and the data recording/processing hardware and software. For a stack which serves multiple emissions units which monitor opacity individually, "combiner" hardware/software shall also be incorporated into the COMS.

The permittee shall maintain a certification letter from the Ohio EPA documenting that the COMS has been certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. Notification of the testing of the COMS for certification purposes shall be made to Ohio EPA, Central Office, following the requirements of 40 CFR Part 60.7. ??The letter of certification shall be made available to the Director upon request??.

The permittee shall maintain records of the following data obtained by the COMS: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

- 3. The permittee shall collect or require the coal/coke supplier to collect a representative grab sample of each shipment of coal/coke that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the coal/coke sampling in accordance with ASTM method D2234, and

analyze the coal sample for sulfur content (percent by weight).

The analytical methods for sulfur content determination shall be: ASTM method D3177 or ASTM method D4239. Alternative, equivalent methods may be used upon written approval by Ohio EPA Northwest District Office.

4. The permittee shall collect or require the blended waste derived fuel supplier to collect a representative grab sample of each batch of blended waste derived fuel to be burned in this emissions unit. All the samples collected each calendar month shall be combined into a composite sample. Each composite sample shall be analyzed for sulfur content (percent by weight). Alternately, a separate analysis may be performed for each batch grab sample, and a monthly arithmetic average of all the analyses computed.

The analysis for sulfur content shall be performed in accordance with ASTM method D4294, ASTM method D240, or ASTM method 6010. Alternative equivalent methods may be used upon written approval by Ohio EPA Northwest District Office.

5. The permittee shall collect or require to be collected on a daily basis, a representative grab sample of raw material slurry, clinker, and cement kiln dust produced from or fed into this emissions unit. All the samples collected each calendar month shall be combined into a composite sample. Each composite sample shall be analyzed for sulfur content (percent by weight). Alternately, an analysis may be performed for each daily grab sample, and the analytical results for all the daily grab samples may be used to calculate a monthly arithmetic average.

The analysis for sulfur content shall be performed in accordance with ASTM method C114. Alternative equivalent methods may be used upon written approval by Ohio EPA Northwest District Office.

6. In addition to fuel analysis information, the permittee shall calculate (if necessary) and record each month the following information:

a. the amount of each coal/coke shipment, in pounds, and the total blended waste derived fuel, in gallons and pounds per batch, burned in this emissions unit;

b. the amount of raw material slurry, clinker, and cement kiln dust, in pounds, used in or produced by this emissions unit;

c. the total number of pounds of sulfur dioxide emitted from this emissions unit, calculated as follows:

i. multiply the sulfur content of coal by the number of pounds of coal that were burned in this emissions unit;

ii. multiply the sulfur content of the blended waste derived fuel by the number of pounds of blended waste derived fuel that were burned in this emissions unit;

iii. multiply the sulfur content of the raw material slurry by the number of pounds of raw material slurry processed in this emissions unit;

iv. multiply the sulfur content of the clinker by the number of pounds of clinker produced by this emissions unit;

v. multiply the sulfur content of the cement kiln dust by the number of pounds of cement kiln dust produced by this emissions unit; and

vi. calculate the SO₂ emissions, in pounds, as follows:

$$\text{SO}_2 \text{ emissions (lbs/month)} = 2^* \times [(i + ii + iii) - (iv + v)];$$

d. the total number of tons of cement made from clinker produced in this emissions unit during each calendar month; and

e. the sulfur dioxide emitted from this emissions unit for each ton of cement (made from clinker produced in this emissions unit) produced, i.e., the total pounds of sulfur dioxide emitted from this emissions unit during each calendar month divided by the number of tons of cement made from clinker produced in this emissions unit during each calendar month.

* This factor (64/32) is required to convert sulfur to SO₂ since 1 lb-mole (32 lbs) of sulfur will yield 1 lb-mole (64 lbs) of SO₂ (S + O₂ ----> SO₂).

7. Chemical analyses of the blended waste-derived fuel fed to the kiln shall be conducted daily. The analyses shall be performed in accordance with the test methods specified in OAC rule 3745-54-13 and/or 40 CFR Part 264.13, as applicable, and, at a minimum, shall include the analyses of the following:

a. Halogen content and sulfur content, in weight percent (wt %).

b. Polychlorinated biphenols (PCB) concentration, in PPM.

c. pH.

If no materials have been added to the blended waste-derived fuel being fed to the kiln, the chemical analyses from the previous day will be sufficient to demonstrate compliance with this condition.

8. A minimum sample of 100 milliliters (ml) shall be taken from each batch of blended-waste derived fuel. Each sample shall be saved for a period of at least 90 days.

Any sample or measurement taken for the purpose of monitoring shall be a representative sample or measurement, as such term is defined and used in the Ohio hazardous waste rules. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of OAC rule 3745-51-20, Laboratory Methods. Laboratory methods must be those specified in Test Methods for the Evaluation of Solid Waste: Physical/Chemical Methods, SW-846, November 1986, and additional supplements or editions thereof; or any equivalent methods as specified in the approved waste analyses plan or as such term is defined and used in the Ohio hazardous waste rules.

9. The records of sampling and monitoring information required in 7 and 8 above shall specify the following:
 - a. the date(s), source of sample, time(s) and method(s) of sampling or measurement;
 - b. the individual(s) who collected the sample or performed the measurements;
 - c. the date(s) analyses were performed;
 - d. the individual(s) who performed the analyses;
 - e. the analytical technique(s) or method(s) used; and
 - f. the results of such analyses.
10. For quality assurance purposes, the Director may at his discretion, require that the permittee submit samples to an independent laboratory, other than Syntech, for detailed chemical analyses for any or all of the constituents listed in Schedule A, condition B.VI.1. The samples may include any materials retained as a requirement of condition B.III.2 or any sample taken at the point of generation. The frequency for these independent analyses, which shall be conducted at the permittee's expense, shall not exceed four (4) per year under normal operating conditions.
11. On a quarterly basis, the permittee shall conduct a performance audit linearity check on the COMS using an audit jig with NIST certified neutral density filters in accordance with the procedures specified in U.S. EPA document, EPA 450/4-92-010. Should the COMS fail to achieve the calibration error percentage required by 40 CFR Part 60, Appendix B, PS 1, Table 1-1, the COMS shall be recalibrated and acceptable results verified by a successful performance audit linearity check.
12. The permittee shall maintain a file of all measurements, data, reports and any other activities involving the COMS in a form suitable for inspection.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify each period when the recorded pressure drop across the baghouse was not within the range specified in Section A.II.1 of these terms and conditions. The deviation reports shall be submitted as specified in General Condition 3 of this permit.
2. The permittee shall submit reports within 30 days following the end of each calendar quarter to Ohio EPA Northwest District Office documenting all instances of stack opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective action(s) taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The reports shall also identify any COMS downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the date, time, reason, and corrective action(s) taken for each time period of monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report.

These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.
3. The permittee shall submit quarterly reports summarizing the results of the monthly information compiled in accordance with Section A.III.6. These reports shall be submitted to Ohio EPA Northwest District Office by February 15, May 15, August 15 and November 15 of each year, and shall present the data collected during the previous calendar quarter.
4. Within 120 days after promulgation of 40 CFR Part 63, Subpart EEE, the permittee shall submit an Initial Notification Report which certifies whether or not the permittee is subject to the promulgated standard. If the permittee is subject to the final standard, the following information shall also be included in the Initial Notification Report:
 - a. the name and mailing address of the permittee;
 - b. the physical location of the source if it is different from the mailing address;
 - c. identification of the relevant Maximum Achievable Control Technology (MACT) standard and the permittee's compliance date;
 - d. a brief description of the nature, design, size, and method of operation of the source, including the operating design capacity and an identification of each emission point of each hazardous air pollutant; and
 - e. a statement of whether or not the permittee is a major source or an area source according to the promulgated MACT.
5. Within 60 days following completion of the required compliance demonstration activity specified in 40 CFR Part 63, Subpart EEE, the permittee shall submit a notification of compliance status that contains the following information:

- a. the methods used to determine compliance;
 - b. the results of any performance tests, opacity or visible emissions observations, continuous monitoring systems, performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - c. the methods that will be used for determining continuous compliance, including a description of monitoring and reporting requirements and test methods;
 - d. the type and quantity of hazardous air pollutants emitted by the source, reported in units and averaging times in accordance with the test methods specified in 40 CFR Part 63, Subpart EEE;
 - e. an analysis demonstrating whether the affected source is a major source or an area source;
 - f. a description of the air pollution control equipment or method for each emissions point, including each control device or method for each hazardous air pollutant and the control efficiency (percent) for each control device or method; and
 - g. a statement of whether or not the permittee has complied with the requirements of 40 CFR Part 63, Subpart EEE.
- 6. The permittee shall submit quarterly deviation (excursions) reports which specify all exceedances of the limitations/restrictions specified in section A.II.2 of this permit.

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V. **Testing Requirements**

- 1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method:
The permittee shall demonstrate compliance with the VE limitation above pursuant to OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation:
43 pounds of sulfur dioxide per ton of cement produced

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limit based on the record keeping requirements in section A.III and the results of emission testing conducted in accordance with USEPA Methods 1 - 4 and 6, 40 CFR Part 60, Appendix A.
 - c. Emission Limitation:
75 lbs/hr of PE

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limit based on the results of emission testing conducted in accordance with USEPA Methods 1 - 5, 40 CFR Part 60, Appendix A.
- 2. 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 by no later than November 12, 2000 and within six months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.
 - c. The test method which shall be employed to demonstrate compliance with the allowable mass emission rate for PE is Method 5 of 40 CFR Part 60, Appendix A.
 - d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northwest District Office and the Ohio EPA Central Office. 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 refusal to accept the results of the emission test(s).

Personnel from Ohio EPA Northwest District Office and/or Central Office 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 Ohio EPA Northwest District Office and Central Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from Ohio EPA Central Office.

3. 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 approximately 2.5 years after permit issuance and within 6 months prior to permit renewal.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable emission rate for sulfur dioxide.
 - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): OAC rule 3745-18-04(A). Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while the emissions unit is operating at its maximum capacity. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Northwest District Office and the Ohio EPA Central Office. 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 refusal to accept the results of the emission test(s).

Personnel from Ohio EPA Northwest District Office and/or Central Office 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 Ohio EPA Northwest District Office and Central Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, when warranted, with prior approval from Ohio EPA Central Office.

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VI. **Miscellaneous Requirements**

1. None

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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: 0363000002 Emissions Unit ID: P025 Issuance type: Title V Draft 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>
cement kiln dust recovery system, with process baghouse	40 CFR 261	See 2.c below.
	OAC rule 3745-31-05 (PTI 03-8500)	0.083 lb/hr particulate emissions (PE) [from baghouse]
		0.01 gr/dscf PE [from baghouse]
		0% opacity [from transfer points]

2. Additional Terms and Conditions

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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.
- c. This emissions unit is exempt from 40 CFR 261 pursuant to 40 CFR 261.4(b)(8).

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II. Operational Restrictions

- 1. The permittee shall vent all the PE from this emissions unit to the process baghouse.

2. The pressure drop across the process baghouse shall be maintained within the range of 3 to 7 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 process 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 process 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 fugitive dust emissions from the transfer points associated with 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 deviation (excursion) reports which identify each period when the recorded pressure drop was not within the range specified in Section A.II.2 above. The deviation reports shall be submitted as specified in General Condition 3 of this permit.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible fugitive dust emissions were observed from the transfer points associated with 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 with the emission limitation(s) in Section B.I above shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
 - 0.01 gr/dscf PE
 - 0.083 lb/hr PE

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the emission limitations above in accordance with Method 5 of 40 CFR 60, Appendix A.
 - b. Emission Limitation:
 - 0% opacity (from transfer points)

Applicable Compliance Method:

Compliance with the visible emission limitation above shall be determined with the testing methods specified in 40 CFR 60, Appendix A, Method 9, with modifications as specified in 40 CFR 60.674(c) for conveyance points.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0363000002 Emissions Unit ID: P025 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P026 Issuance type: Title V Draft 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>
cement kiln dust recovery system, with process baghouse	40 CFR 261	See 2.c below.
	OAC rule 3745-31-05 (PTI 03-8500)	0.083 lb/hr particulate emissions (PE) [from baghouse]
		0.01 gr/dscf PE [from baghouse]
		0% opacity [from transfer points]

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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.
- c. This emissions unit is exempt from 40 CFR 261 pursuant to 40 CFR 261.4(b)(8).

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II. **Operational Restrictions**

1. The permittee shall vent all the PE from this emissions unit to the process baghouse.
2. The pressure drop across the process baghouse shall be maintained within the range of 3 to 7 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 process 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 process 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 fugitive dust emissions from the transfer points associated with 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 deviation (excursion) reports which identify each period when the recorded pressure drop was not within the range specified in Section A.II.2 above. The deviation reports shall be submitted as specified in General Condition 3 of this permit.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible fugitive dust emissions were observed from the transfer points associated with 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 with the emission limitation(s) in Section B.I above shall be determined in accordance with the following method(s):
 - a. Emission Limitations:
0.01 gr/dscf PE

0.083 lb/hr PE

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the emission limitations above in accordance with Method 5 of 40 CFR 60, Appendix A.

- b. Emission Limitation:
0% opacity (from transfer points)

Applicable Compliance Method:

Compliance with the visible emission limitation above shall be determined with the testing methods specified in 40 CFR 60, Appendix A, Method 9, with modifications as specified in 40 CFR 60.674(c) for conveyance points.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0363000002 Emissions Unit ID: P026 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P901 Issuance type: Title V Draft 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>
raw material storage, conveying, handling, with process baghouse	40 CFR 60.62(c) (NSPS Subpart F) OAC rule 3745-31-05 (PTI 03-8914)	Visible PE shall not exceed 10% opacity, as a 6-minute average, from the storage piles and conveyor transfer points. 4.7 lbs/day fugitive particulate emissions (PE) [from the conveyors and storage hall] 0.005 gr/dscf or no visible emissions [from the process baghouse] visible emissions not to exceed 1 minute in any 60-minute observation period [from the storage hall egress points]

2. **Additional Terms and Conditions**

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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.
- c. This facility is located in Paulding County which is not an "Appendix A" area as indicated in Appendix A of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08(B).
- d. This emissions unit is exempt from the visible particulate emission limitation in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(7)(e).

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II. **Operational Restrictions**

- 1. The pressure drop across the process baghouse, which controls the PE from the storage silos associated with this emissions unit and emissions unit P903, shall be maintained within the range of 3 to 7 inches of water while the emissions unit is in operation.

2. The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the transfer of material into the conveyor hopper.

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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 process 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 process 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 fugitive dust emissions from the conveyor transfer points, storage piles, and storage hall egress points associated with 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 deviation (excursion) reports which identify each period where the recorded pressure drop across the process baghouse was not within the range specified in Section A.II.1 above. The deviation reports shall be submitted as specified in General Condition 3 of this permit.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible fugitive dust emissions were observed from the conveyor transfer points, storage piles, and storage hall egress points associated with 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 with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
10% opacity, as a six-minute average (from storage piles and conveyor transfer points)

Applicable Compliance Method:
Compliance with the visible PE limitation above shall be determined pursuant to Method 9 of 40 CFR 60, Appendix A, with modifications as specified in 40 CFR 60.674(c).
 - b. Emission Limitation:
0.005 gr/dscf [from collector]

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the limitation above in accordance with 40 CFR 60, Appendix A, Method 5.
 - c. Emission Limitations:
no visible emissions, from collector

visible emissions not to exceed 1 minute in any sixty-minute observation period, from storage hall egress points

Applicable Compliance Method:
Compliance with the visible emission limitations above shall be determined with in accordance with Method 22 of 40 CFR 60, Appendix A, with modification as appropriate for point sources.
 - d. Emission Limitation:
4.7 lbs/day fugitive PE [from conveyors and storage hall]

Applicable Compliance Method:
Compliance with the limitation above shall be determined by multiplying the AP-42, Table 8.19-1.1 (revised 9/85) emission factor (13.2 lbs PE/acre/day) by the total area of the storage hall (0.25 acre).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0363000002 Emissions Unit ID: P901 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P902 Issuance type: Title V Draft 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>
cement kiln dust unloading (from collector)	OAC rule 3745-17-11(B)	See 2.a below.
	OAC rule 3745-17-07(A)	See 2.b below.
	OAC rule 3745-17-08(B)	See 2.c below.
	OAC rule 3745-17-07(B)	See 2.d below.

2. Additional Terms and Conditions

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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.
- c. This facility is located in Paulding County which is not an "Appendix A" area as indicated in Appendix A of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08(B).
- d. This emissions unit is exempt from the visible particulate emission limitation in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(7)(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: 0363000002 Emissions Unit ID: P902 Issuance type: Title V Draft 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: 0363000002 Emissions Unit ID: P903 Issuance type: Title V Draft 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>
fly ash conveying, handling, storage silo (raw materials), with process baghouse	OAC rule 3745-31-05 (PTI 03-7494)	0.077 lb/hr particulate emissions (PE) [from storage silo] 0% opacity, as a six-minute average [from baghouse and conveyor transfer points] See 2.e below.

2. Additional Terms and Conditions

- a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs/hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Paulding County, which is identified as a P-2 county.
- b. This emissions unit is exempt from the visible particulate emission 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.
- c. This facility is located in Paulding County which is not an "Appendix A" area as indicated in Appendix A of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08(B).
- d. This emissions unit is exempt from the visible particulate emission limitation in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(7)(e).
- e. The emissions unit identification in PTI 03-7494 is F005, but this identification has been changed to P903 for the Title V permit. With the EU identification change, the emissions unit has also been modified so the sand storage pile listed in the PTI is no longer part of the EU.

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II. Operational Restrictions

1. The pressure drop across the process baghouse, which controls the PE from the storage silos associated with this emissions unit and emissions unit P901, shall be maintained within the range of 3 to 7 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 process 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 process 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 and transfer points associated with 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 deviation (excursion) reports which identify each period where the recorded pressure drop across the process baghouse was not within the range specified in Section A.II of these terms and conditions. The deviation reports shall be submitted as specified in General Condition 3 of this permit.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the baghouse and conveyor transfer points associated with 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 with the emission limitation(s) in Section A.I of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:
0.077 lb/hr PE

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with this emission limit in accordance with 40 CFR 60, Appendix A, Method 5.
 - b. Emission Limitation:
0% opacity, as a six-minute average

Applicable Compliance Method:
Compliance with the visible emission limitation above shall be determined with testing methods found in 40 CFR 60, Appendix A, Method 9, with modification as specified in 40 CFR 60.674(c) for conveyance points.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0363000002 Emissions Unit ID: P903 Issuance type: Title V Draft 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