Facility ID: 0448011713 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

Go to Part II for Emissions Unit F001
Go to Part II for Emissions Unit F004
Go to Part II for Emissions Unit P901
Go to Part II for Emissions Unit P902

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Facility ID: 0448011713 Emissions Unit ID: F001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

   (a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

   (a) None.

A. **Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Sand and aggregate storage		
load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05 (A)(3) (as issued on 10/4/2007 and modified on 10/23/2007)	no visible emissions except for one minute in any hour
		1.58 pounds of fugitive particulate emissions (PE) per hour
		best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.c, A.2.f and A.2.h.)
	OAC rule 3745-17-07(B)(6)	The emission limitation specified by this rule is less stringent than the above-mentioned visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B), (B)(6)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See Sections A.2.b, A.2.c, and A.2.f.
wind erosion from storage piles (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05 (A)(3) (as issued on 10/4/2007 and modified on 10/23/2007)	no visible emissions except for one minute in any hour
		0.07 pound of fugitive PE per hour
		best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.f and Section A.2.h.)
	OAC rule 3745-17-07(B)(6)	The emission limitation specified by this rule is less stringent than the above-mentioned visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B), (B)(6)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See Sections A.2.d through A.2.f.
load-in and load-out of storage piles, and wind erosion from storage piles	OAC rule 3745-31-05 (A)(3) (as issued on 10/4/2007 and modified on 10/23/2007)	1.08 tons of PE per calendar year
		See Section A.2.h.
	OAC rule 3745-31-05(C) (as issued on 10/4/2007 and modified on 10/23/2007)	See Section A.2.g.

2. **Additional Terms and Conditions**

(a) The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Limestone storage pile
Sand storage pile
The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in and load-out material(s) with water and to maintain a wind guard enclosure to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the storage pile with water and to maintain a wind guard enclosure to ensure compliance to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.
The maximum annual production rate for this emissions unit shall not exceed 100,000 cubic yards of concrete.
The hourly and annual emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit at 100,000 cuyd/hr. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.

B. **Operational Restrictions**

1. None

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

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification / minimum load-in inspection frequency

limestone / daily
sand / daily

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

storage pile identification / minimum load-out inspection frequency

Limestone / daily
sand / daily

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:
storage pile identification / minimum wind erosion inspection frequency

limestone / daily
sand / daily

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

7. The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures; and

c. the dates the control measures were implemented.

d. The permittee shall maintain annual records of the quantity, in cubic yards, of concrete produced in this emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

c. any exceedances of the annual production rate limitation.

2. These reports shall be submitted within 30 days of discovery.

E. **Testing Requirements**

1. Compliance with the allowable emission limitations in this permit shall be determined according to the following methods:
Emission Limitation;

no visible emissions from load-in/load-out and wind erosion except for one minute in any hour

Applicable Compliance Method;

Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.
Emission Limitation;

1.58 pounds of particulate emissions (PE) per hour from load-in/load-out operations.

Applicable Compliance Method;

Compliance may be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 11.12-3 dated 10/01, as follows: sum the emission factors of; 0.0064 pound of PE per cubic yard of concrete for aggregate delivery to ground storage, 0.0015 pound of PE per cubic yard of concrete for sand delivery to ground storage, 0.0064 pound of PE per cubic yard of concrete for aggregate transfer to elevated storage and 0.0015 pound of PE per cubic yard of concrete for sand transfer to elevated storage, and multiply this summation by the design maximum throughput capacity of 100 cubic yards per hour.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(7). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation;

0.07 pound of particulate emissions (PE) per hour from wind erosion of storage piles.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(7). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation;

1.08 tons of PE per calendar year from load-in/load-out and wind erosion of storage piles.

Applicable Compliance Method;

This limitation represents the full potential to emit for this emissions unit operating at the maximum annual allowable throughput rate. Therefore, provided compliance is shown with the annual allowable throughput limitation, and compliance is also shown with the short term emissions limitations above, compliance shall also be shown with the annual emission limitation.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 0448011713 Emissions Unit ID: F004 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

(a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

(a) None.

A. **Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Concrete batch plant: roadways and parking lots (see A.2.a)	OAC rule 3745-31-05(A)(3) (as issued on 10/4/2007 and modified on 10/23/2007)	no visible particulate emissions except for one minute during any 60-minute period 1.19 tons of particulate emissions (PE) per year best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See Sections A.2.b through A.2.f.)
	OAC rule 3745-31-05(C) (as issued on 10/4/2007 and modified on 10/23/2007)	See Section A.2.g.
	OAC rule 3745-17-07(B)(4)	The emission limitation specified by this rule is less stringent than the above-mentioned visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B), (B)(8), (B)(9)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See Sections A.2.b through A.2.f.

2. **Additional Terms and Conditions**

(a) The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways:

Main roadway

paved parking areas:

Main parking area
The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by flushing with water, sweeping, and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance. (Note that "water flushing" refers to using large quantities of water to carry off surface material, while "watering" refers to simply wetting the surface material.)
The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
The maximum annual production rate for this emissions unit shall not exceed 100,000 cubic yards of concrete.

B. **Operational Restrictions**

1. None

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

1. Except as otherwise provided in this section, the permittee shall perform inspections of the paved roadways and parking areas in accordance with the following frequencies:

   paved roadways / minimum inspection frequency

   Main roadway / daily

   paved parking areas / minimum inspection frequency

   Main parking lot / daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures; and

   c. the dates the control measures were implemented.

5. The permittee shall maintain annual records of the quantity, in cubic yards, of concrete produced in this emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

   b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

   c. any exceedances of the annual production rate limitation.

2. These reports shall be submitted within 30 days of discovery.

E. **Testing Requirements**

1. Compliance with the emission limitation for the paved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

2. The 1.19 tons of PE per year emission limitation was established by multiplying the 1.98 pounds per vehicle mile traveled emission rate predicted by Equation #1 in AP-42 Section 13.2.1.3 dated 10/97 by the number of miles traveled to load-out a maximum annual through-put of 100,000 cubic yards of concrete (1200 miles), and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the annual through-put limitation, compliance shall also be shown with the annual emission limitation.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 0448011713 Emissions Unit ID: P901 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

   (a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

(a) None.

A. **Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P901 - Transfer of sand and aggregate to elevated bins, cement unloading to elevated storage silos and silo vents		
Concrete batch plant: transfer of sand and aggregate to elevated bins with no control	OAC rule 3745-31-05(A)(3) (as issued on 10/4/2007 and modified on 10/23/2007)	Visible emissions of fugitive dust shall not exceed 10% opacity, as a 3-minute average. 0.79 pound of fugitive particulate emissions (PE) per hour 0.40 ton of PE per calendar year best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.d and A.2.f.)
	OAC rule 3745-31-05(C) (as issued on 10/4/2007 and modified on 10/23/2007)	See Section A.2.e.
	OAC rule 3745-17-07(B)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See Sections A.2.b through A.2.d.
cement unloading to elevated storage bins controlled by fabric filters	OAC rule 3745-31-05(A)(3) (as issued on 10/4/2007 and modified on 10/23/2007)	no visible emissions from the baghouse exhaust stack 0.05 pound of PE per hour 0.02 ton of PE per calendar year best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.d and A.2.f.)
	OAC rule 3745-31-05(C) (as issued on 10/4/2007 and modified on 10/23/2007)	See Section A.2.e.
	OAC rule 3745-17-07(B)(1)	The emission limitation specified by this rule is less stringent than the above-mentioned visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B), (B)(3)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See Sections A.2.b through A.2.d.
	OAC rule 3745-17-07(A)	See Section 2.g.
	OAC rule 3745-17-11(B)	See Section 2.g.

2. **Additional Terms and Conditions**

(a) The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

transfer of sand and aggregate to elevated bins, and
cement unloading to elevated storage bins controlled by fabric filters
The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s) / control measure(s)

transfer of sand and aggregate to elevated bins / partial enclosure and adequate moisture

cement unloading to elevated storage bins / fabric filters

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
For each material handling operation that is not adequately enclosed, the above-identified control

measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.
The maximum annual production rate for this emissions unit shall not exceed 100,000 cubic yards of concrete.
The hourly and annual emission limitations were established for PTI purposes to reflect the restricted potential to emit for this emissions unit. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. **Operational Restrictions**

1. None

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

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

   material handling operation(s) / minimum inspection frequency

   transfer of sand to elevated bins / daily
   transfer of aggregate to elevated bins / daily
   cement unloading to elevated storage bins / daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s); and

   c. the dates the control measure(s) was (were) implemented.

5. The permittee shall maintain annual records of the quantity, in cubic yards, of concrete produced in this emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

   b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

   c. any exceedances of the annual production rate limitation.

2. These reports shall be submitted within 30 days of discovery.

E. **Testing Requirements**

1. Compliance with the allowable emission limitations in this permit shall be determined according to the following methods:
   Emission Limitation:

   Visible emissions of fugitive dust from the transfer of sand and aggregate to elevated bins shall not exceed 10 percent opacity, as a 3-minute average.

   Applicable Compliance Method:

   Compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1).
   Emission Limitation;

   0.79 pound of particulate emissions (PE) per hour for the transfer of sand and aggregate to elevated bins.

   Applicable Compliance Method;

   Compliance may be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 11.12-3 dated 10/01, as follows: sum the emission factors of; 0.0064 pound of PE per cubic yard of concrete for aggregate transfer to elevated storage and 0.0015 pound of PE per cubic yard of concrete for sand transfer to elevated storage, and multiply this summation by the design maximum throughput capacity of 100 cubic yards of concrete per hour.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(7). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation;

0.40 ton of PE per calendar year for the transfer of sand and aggregate to elevated bins.

Applicable Compliance Method;

This limitation represents the full potential to emit for this emissions unit operating at the maximum annual allowable throughput rate. Therefore, provided compliance is shown with the annual allowable throughput limitation, and compliance is also shown with the short term emissions limitations above, compliance shall also be shown with the annual emission limitation.
Emission Limitation;

no visible emissions from the baghouse exhaust stack

Applicable Compliance Method;

Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.
Emission Limitation;

0.05 pound of particulate emissions (PE) per hour for cement unloading to elevated storage bins.

Applicable Compliance Method;

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation;

0.02 ton of PE per calendar year for cement unloading to elevated storage bins.

Applicable Compliance Method;

This limitation represents the full potential to emit for this emissions unit operating at the maximum annual allowable throughput rate. Therefore, provided compliance is shown with the annual allowable throughput limitation, and compliance is also shown with the short term emissions limitations above, compliance shall also be shown with the annual emission limitation.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 0448011713 Emissions Unit ID: P902 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

(a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

(a) None.

A. **Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P902 - Weigh hopper loading and loading of transit mix trucks		
Concrete batch plant: weigh hopper and	OAC rule 3745-31-05 (A)(3)	Visible emissions of fugitive dust shall not exceed

mixer loading of cement, sand and aggregate	(as issued on 10/4/2007 and modified on 10/23/2007)	10% opacity as a three-minute average during sand and aggregate loading. no visible emissions from the baghouse exhaust stack 6.6 pounds of particulate emissions (PE) per hour 3.3 tons of PE per calendar year best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through A.2.d and A.2.f.)
	OAC rule 3745-31-05(C) (as issued on 10/4/2007 and modified on 10/23/2007)	See Section A.2.e.
	OAC rule 3745-17-07 (B)(1)	The emission limitation specified by this rule is less stringent than the above-mentioned visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08 (B)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See Sections A.2.b through A.2.d.
	OAC rule 3745-17-07(A)	See Section 2.g.
	OAC rule 3745-17-11(B)	See Section 2.g.

2. **Additional Terms and Conditions**

(a) The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

weigh hopper and mixer loading of cement, sand and aggregate
The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s) / control measure(s)

weigh hopper loading of cement, sand and aggregate / fabric filter

mixer loading of cement, sand and aggregate / telescopic boot and curtains

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.
The maximum annual production rate for this emissions unit shall not exceed 100,000 cubic yards of concrete.
The hourly and annual emission limitations were established for PTI purposes to reflect the restricted potential to emit for this emissions unit. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. **Operational Restrictions**

1. None

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

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s) / minimum inspection frequency

weigh hopper loading of cement, sand and aggregate / daily

mixer loading of cement, sand and aggregate / daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed;

b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s): and

c. the dates the control measure(s) was (were) implemented.

5. The permittee shall maintain annual records of the quantity, in cubic yards, of concrete produced in this emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

c. any exceedances of the annual production rate limitation.

2. These reports shall be submitted within 30 days of discovery.

E. **Testing Requirements**

1. Compliance with the allowable emission limitations in this permit shall be determined according to the following methods:
Emission Limitation:

Visible emissions of fugitive dust shall not exceed 10 percent opacity, as a 3-minute average during sand and aggregate loading.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(3).
Emission Limitation;

6.6 pounds of particulate emissions (PE) per hour from weigh hopper and mixer loading of cement, sand, and aggregate.

Applicable Compliance Method;

Compliance may be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 11.12-3 dated 10/01, as follows: sum the emission factors of; 0.0079 pound of PE per cubic yard of concrete for weigh hopper loading and 0.058 pound of PE per cubic yard of concrete for controlled mix truck loading, and multiply this summation by the design maximum throughput capacity of 100 cubic yards per hour.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(7). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.
Emission Limitation;

3.3 tons of PE per calendar year from weigh hopper and mixer loading of cement, sand, and aggregate.

Applicable Compliance Method;

This limitation represents the full potential to emit for this emissions unit operating at the maximum annual allowable throughput rate. Therefore, provided compliance is shown with the annual allowable throughput limitation, and compliance is also shown with the short term emissions limitations above, compliance shall also be shown with the annual emission limitation.
Emission Limitation;

no visible emissions from the baghouse exhaust stack

Applicable Compliance Method;

Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. **Miscellaneous Requirements**

1. None