

Facility ID: 0448041058 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 F009](#)
- [Go to Part II for Emissions Unit F010](#)
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Facility ID: 0448041058 Emissions Unit ID: F009 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F009 - All Ohio Ready Mix Plant 481 - 3, 200,000 cy per year: Roadways and Parking Areas		
Paved Roadways and Parking Areas	OAC rule 3745-31-05(A)(3) (PTI 04-1162 modified 1/2007)	Particulate emissions (PE) shall not exceed 0.28 ton per year. There shall be no visible emissions of fugitive dust from any paved roadway or parking area except for a period of time not to exceed one minute in any 60-minute observation period. See Section II.A.2.a. See Section II.A.2.b.
Unpaved Roadways and Parking Areas	OAC rule 3745-17-07(B)(4)	See Section II.A.2.b.
	OAC rule 3745-17-08(B), (B)(2), (B)(7), (B)(8), (B)(9)	See Section II.A.2.b.
	OAC rule 3745-31-05(A)(3) (PTI 04-1162 modified 1/2007)	PE shall not exceed 18.63 tons per year. There shall be no visible emissions of fugitive dust from any unpaved roadway or parking area except for a period of time not to exceed three minutes in any 60-minute observation period. See Section II.A.2.a. See Section II.A.2.b.
	OAC rule 3745-17-07(B)(5)	See Section II.A.2.b.
	OAC rule 3745-17-08(B), (B)(2)	See Section II.A.2.b.

2. Additional Terms and Conditions

- (a) The permittee shall employ the following best available control measures for each process for the purpose of ensuring compliance with the above-mentioned applicable requirements:
 - F009 Roadways & Parking Areas
 - i. The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:
 - paved roadways: all
 - paved parking areas: all
 - ii. The unpaved roadways and parking areas that are covered by this permit and subject to the above-

mentioned requirements are listed below:

unpaved roadways: all

unpaved parking areas: all

iii. 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.

iv. The permittee shall employ best available control measures on all unpaved 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 unpaved roadways and parking areas with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

v. 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 or unpaved 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.

vi. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.

vii. 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.

viii. 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.

ix. 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.

These control systems shall be sufficient to minimize or eliminate visible emissions of fugitive dust from this emissions unit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The permittee shall certify or possess certification that all dust suppressants used to control fugitive dust meet the PCB limitations set forth in 40 CFR 761, and that there are no listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.
2. The permittee shall not apply used oil as defined by OAC rule 3745-279-01(A)(12) as a dust suppressant.
3. The dust suppressant shall be applied in such a manner as to prevent pollution of waters of the State as required by the Ohio Revised Code, section 6111.

C. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:
 - paved roadways and parking areas/minimum inspection frequency
 - all/daily
 - unpaved roadways and parking areas/minimum inspection frequency
 - all/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;

c. the dates the control measures were implemented; and

d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period from all unpaved plant roadways and parking areas.

Applicable Compliance Method:

If required, compliance with the emission limitations for the paved and unpaved 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.

Emission Limitation:

There shall be no visible emissions of fugitive dust except for a period of time not to exceed one minute in any 60-minute observation period from all paved plant roadways and parking areas.

Applicable Compliance Method:

If required, compliance with the emission limitations for the paved and unpaved 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.

Emission Limitation:

Particulate emissions (PE) shall not exceed 0.28 ton per year for all paved plant roadways and parking areas.

Applicable Compliance Method:

If required, compliance with the fugitive PE limitation shall be determined using the emission factor equations in Section 13.2.1, in Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for paved roadways. Should further updates in AP-42 occur, the most current equations for paved roads shall be used.

Emission Limitation:

Particulate emissions (PE) shall not exceed 18.63 tons per year for all unpaved plant roadways and parking areas.

Applicable Compliance Method:

If required, compliance with the fugitive PE limitation shall be determined using the emission factor equations in Section 13.2.2, in Compilation of Air Pollution Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 12/03) for unpaved roadways. Should further updates in AP-42 occur, the most current equations for unpaved roads shall be used.

F. Miscellaneous Requirements

1. None

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Facility ID: 0448041058 Emissions Unit ID: F010 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F010 - All Ohio Ready Mix - Plant 481 - 3, 200,000 cy per year: Storage Piles Load-in, Load-out, and wind erosion from storage piles	OAC rule 3745-31-05(A)(3) (PTI 04-1162 modified 1/2007)	Particulate emissions (PE) shall not exceed 2.11 tons per year from load-in, load-out and wind erosion of storage piles.
		There shall be no visible emissions of fugitive dust from load-in, load-out, and wind erosion except for a period of time not to exceed one minute in any 60-minute observation period.
		See Section II.A.2.a.
	OAC rule 3745-17-07(B)(6)	See Section II.A.2.b.
	OAC rule 3745-17-08(B), (B)(3), (B)(6), (B)(7)	See Section II.A.2.b.

2. Additional Terms and Conditions

- (a) F010 Storage Piles

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

Sand & Aggregate Storage Piles

i. 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/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

ii. 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.

iii. 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 each storage pile with water and/or any other suitable dust suppression chemicals via the spray tower at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

iv. 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.

v. 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 emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The permittee shall certify or possess certification that all dust suppressants used to control fugitive dust meet the PCB limitations set forth in 40 CFR 761, and that there are no listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.
 2. The permittee shall not apply used oil as defined by OAC rule 3745-279-01(A)(12) as a dust suppressant.
 3. The dust suppressant shall be applied in such a manner as to prevent pollution of waters of the State as required by the Ohio Revised Code, section 6111.
- 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

Sand & Aggregate/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

Sand & Aggregate/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

Sand & Aggregate/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;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
- 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; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
 2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
- E. Testing Requirements**
1. Compliance with the emission limitations in section A.1. of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

There shall be no visible emissions of fugitive dust except for a period of time not to exceed one minute in any 60-minute observation period from all storage piles from load-in, load-out, and wind erosion.

Applicable Compliance Method:

If required, 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:

Particulate emissions(PE) shall not exceed 2.11 tons per year from all storage piles.

Applicable Compliance Method:

If required, compliance with fugitive PE emissions shall be determined using the emission factor equations in Sections 13.2.4 and 13.2.5, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 1/95), for load-in operations, load-out operations, and wind erosion.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0448041058 Emissions Unit ID: F011 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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- 1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
- 2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F011 - All Ohio Ready Mix - Plant 481 - 3, 200,000 cy per year: Transfer of sand and aggregate to bins	OAC rule 3745-31-05(A)(3) (PTI 04-1162 modified 1/2007)	Particulate emissions (PE) shall not exceed 2.11 tons per year. Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average.
	OAC rule 3745-17-07(B)(1)	See Section II.A.2.a.
	OAC rule 3745-17-08(B), (B)(3)	See Section II.A.2.b.

2. Additional Terms and Conditions

- (a) The material handling operation(s) that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:
 - All Sand and aggregate conveyors from storage piles to bins.
 - i. The permittee shall employ reasonably 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)
 - Sand and aggregate conveyors/The permittee shall maintain sufficient moisture in the sand and aggregate so as to comply with the visible emission requirements during transfer. Drop heights shall be minimized during loading of conveyors.
 - Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
 - ii. 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.

iii. 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 rule 3745-17-08.

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. 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

Sand and aggregate conveyors/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:
- the date and reason any required inspection was not performed;
 - the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - the dates the control measure(s) was (were) implemented; and
 - on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
- each day during which an inspection was not performed by the required frequency; and
 - each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

Emissions Limitation:

Visible emissions of fugitive dust shall not exceed 20% as a three minute average.

Applicable Compliance Method:

If required, compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 9 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)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

Emissions Limitation:

PE- 2.11 tons per year

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 8,760 hours per year. If required, compliance shall be determined through calculations performed as follows: multiply the hourly allowable emissions rate by the 8,760 hours of operation and divide by 2,000 pounds per ton.

F. Miscellaneous Requirements

1. None

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Part II - Special Terms and Conditions

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F012 - All Ohio Ready Mix - Plant 481 - 3, 528 cy per hour: Batch Concrete Plant Cement Transfer to Silos	OAC rule 3745-31-05(A)(3) (PTI 04-1162 modified 1/2007)	There shall be no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.
Silo Vents	OAC rule 3745-31-05(A)(3) (PTI 04-1162 modified 1/2007)	See Section II.A.2.a. Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average.
Weigh Hopper Loading	OAC rule 3745-17-07(B)(1) OAC rule 3745-17-08(B), (B)(3) OAC rule 3745-31-05(A)(3) (PTI 04-1162 modified 1/2007)	See Section II.A.2.a. See Section II.A.2.b. See Section II.A.2.b. Particulate emissions (PE) shall not exceed 4.0 tons per year.
Loading of transit mix trucks	OAC rule 3745-17-07(B)(1) OAC rule 3745-17-08(B), (B)(3) OAC rule 3745-31-05(A)(3) (PTI 04-1162 modified 1/2007)	No visible emissions of fugitive dust from the fabric filters during cement loading. See Section II.A.2.a. See Section II.A.2.b. See Section II.A.2.b. Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average for loading of transit mix trucks.
	OAC rule 3745-17-07(B)(1) OAC rule 3745-17-08(B), (B)(3)	See Section II.A.2.a. See Section II.A.2.b. See Section II.A.2.b.

2. Additional Terms and Conditions

- (a) The permittee shall employ the following best available control measures for each process for the purpose of ensuring compliance with the above-mentioned applicable requirements:
 - i. Cement shall be transferred pneumatically to storage silos. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emissions of cement emanating from the delivery vehicle shall be cause for the immediate halt of the unloading process and the refusal of the cement load until the situation is corrected.
 - ii. The cement silos vents shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient so as to minimize at all times visible emissions of fugitive dust at the points of capture. There shall be no visible emissions from the fabric filter outlet.
 - iii. The cement weigh hopper shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient to eliminate, at all times, visible emissions of fugitive dust. There shall be no visible emissions from any outlets.
 - iv. Transit mix trucks shall be loaded using an adjustable chute and/or a flexible boot along with water spray during raw material loading. The equipment shall be operated so to comply with the visible emission requirements.

These control systems shall be operated at all times that trucks are being loaded and these controls

shall be sufficient to minimize or eliminate visible emissions of fugitive dust from this emissions unit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 200,000 cubic yards based upon a rolling, 12-month summation of the production rates.
2. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.
3. The permittee shall regularly maintain the baghouse and fabric control equipment associated with emissions unit in accordance with manufacturers recommendations. Maintenance shall include regular repair and/or replacement of filters so as to maximize the particulate collection efficiency of this dust control system.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. The production rate for each month.
 - b. The rolling, 12-month summation of the production rates.
2. The permittee shall maintain daily records that document any time periods when the water spray was not in service and/or when the dry filtration system was not in service when the emissions unit was in operation.
3. The permittee shall maintain records of the amounts of sand, aggregate, and cement processed at this plant so as to be able to determine the actual amount of fugitive dust emissions generated over any annual period. The permittee shall also maintain records of the gross yards (or tonnage) of concrete produced and transported from the facility on a monthly basis for purpose of determining the annual amount of fugitive dusts emitted from this emissions unit. These records shall be kept at the facility and shall be made available for review by Ohio EPA personnel upon request.
4. The permittee shall inspect the baghouse fabric filter control system serving both the cement silo and the batching operation at least once per week for the purpose of determining the need to maintain, repair, and/or replace any of the filters in the system or any portion of the system electrical controls. A broken or severely worn filter, or worn electrical control components, shall be replaced/repared immediately so as to prevent unnecessary emissions of fugitive dust from this emissions unit. Records of inspections, repairs, and maintenance to this emissions control system shall be noted in a facility log.
5. The permittee shall inspect the shroud and chute used to load the sand/aggregate/cement mixture into the concrete mix-trucks on a weekly basis to determine if these devices adequately minimize fugitive dust emissions which arise during the loading of the mix-trucks. If either the shroud or chute is excessively worn, they should be replaced immediately so as to minimize fugitive dust emissions from this emissions unit. The results of this inspection and any maintenance which is performed as a result of this inspection should be noted in a facility log.
6. 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 stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. the total duration of any visible emission incident; and
 - c. any corrective actions taken to eliminate the visible emissions.
7. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

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

D. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the dry filtration systems was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
2. The permittee shall report any violations of the rolling 12-month summation to the appropriate Ohio EPA District Office or Local Air Agency within 30 days of discovery.

3. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day or week during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, repair, or maintenance function that was to be performed as a result of an inspection, was not implemented.
 4. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
 5. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible 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 periods.
 6. The permittee shall submit annual reports that identify any exceedances of the annual production restriction, as well as corrective actions that were taken to achieve compliance. These reports shall be submitted to the Director, the appropriate Ohio EPA District Office, or Local Air Agency by January 31 of each year.
 7. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the 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 periods.
- E. Testing Requirements**
1. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

Emissions Limitation:

PE- 4 tons per year from weigh hopper loading activities

Applicable Compliance Method:

If required, compliance with PE emissions shall be determined using the emission factor equations in Section 11.12, in Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume 1 (revised 6/06), for weigh hopper loading activities. This emission limitation was established to reflect the potential to emit for this emissions unit at a maximum total operating rate of 8,760 hours per year. Compliance shall be determined through calculations performed as follows: multiply the hourly allowable emissions rate by the 8,760 hours of operation and divide by 2,000 pounds per ton.

Emissions Limitation:

Visible emissions of fugitive dust shall not to exceed 20 % as a three minute average for silo vents and loading of transit mix trucks

Applicable Compliance Method:

If required, compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 9 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)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

Emissions Limitation:

No visible emissions from the fabric filters on the weigh hopper serving this emissions unit.

Applicable Compliance Method:

If required, compliance with the visible emission limitation for the fabric filters on the weigh hopper shall be determined in accordance with Method 22 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, 1997 and the procedures specified in OAC rule 3745-17-03(B)(4).

Emission Limitation:

There shall be no visible emissions of fugitive dust except for a period of time not to exceed one minute in any 60-minute observation period during cement transfer to the silos .

Applicable Compliance Method:

If required, 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