



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION
LUCAS COUNTY**

CERTIFIED MAIL

Street Address:

50 West Town Street, Suite 700

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 04-01162

Fac ID: 0448041058

DATE: 1/4/2007

All Ohio Ready Mix - Plant 481
Peter Thomas
7901 Sylvania Ave
Sylvania, OH 43650

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

TDES

All Ohio Ready Mix - Plant 481
PTI Application: 04-01162
Modification Issued: 1/4/2007

Facility ID: 044804105



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install
Terms and Conditions

Issue Date: 1/4/2007
Effective Date: 1/4/2007

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 04-01162

Application Number: 04-01162
Facility ID: 0448041058
Permit Fee: **\$400**
Name of Facility: All Ohio Ready Mix - Plant 481
Person to Contact: Peter Thomas
Address: 7901 Sylvania Ave
Sylvania, OH 43650

Location of proposed air contaminant source(s) [emissions unit(s)]:
7901 Sylvania Avenue
Sylvania, Ohio

Description of proposed emissions unit(s):
All Ohio Ready Mix - Plant 481

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.


This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Laura Powell
Acting Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

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The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon

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receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio

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law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a

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period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	27.03 (no Change)

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (F009) - Modify Facility ID and facility description for All Ohio Ready Mix Plant 481: 528 CY/Hr Redi-mix concrete plant - Paved and Unpaved roadways and parking areas

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	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.
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.
Unpaved Roadways and Parking Areas	
OAC rule 3745-31-05(A)(3)	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.
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.

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2. Additional Terms and Conditions

- 2.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.

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- 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.

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

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 Recordkeeping 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

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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:

a. 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.

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b. 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.

c. 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.

d. 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.

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F. Miscellaneous Requirements

None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (F010) - Modify Facility ID and facility description for All Ohio Ready Mix Plant 481: 528 CY/hr Redi-mix concrete plant - load-in and load-out of storage piles, wind erosion

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	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**2.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

Emissions Unit ID: F010

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.

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

B. Operational Restrictions

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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 Recordkeeping 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

Emissions Unit ID: F010

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:

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- 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:

- a. 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.

- b. 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.

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DTL Application: 04 01162

Facility ID: 044804105

Emissions Unit ID: F010

F. Miscellaneous Requirements

None

Modification Issued: 1/4/2007

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (F011) - Modify Facility ID and facility description for All Ohio Ready Mix Plant 481: 528 CY/hr redi-mix concrete plant - transfer of sand and aggregate to bins

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	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.
	See Section II.A.2.a.
OAC rule 3745-17-07(B)(1)	See Section II.A.2.b.
OAC rule 3745-17-08(B), (B)(3)	See Section II.A.2.b.

2. Additional Terms and Conditions

- 2.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

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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.

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

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping 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:
 - 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):
 - c. the dates the control measure(s) was (were) implemented; and
 - d. 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:
 - 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 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):

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Facility ID: 044804105

Emissions Unit ID: F011

a. 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.

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b. 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

None

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. Applicable Emissions Limitations and/or Control Requirements**

- The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment - (F012) - Modify facility ID and facility description for All Ohio Ready Mix Plant 481: 528 CY/hr redi-mix concrete plant - cement transfer to silos, silo vents, weigh hopper loading, loading of transit mix trucks

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Cement Transfer to Silos	
OAC rule 3745-31-05(A)(3)	There shall be no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. See Section II.A.2.a.
Silo Vents	
OAC rule 3745-31-05(A)(3)	Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average. See Section II.A.2.a.
OAC rule 3745-17-07(B)(1)	See Section II.A.2.b.
OAC rule 3745-17-08(B), (B)(3)	See Section II.A.2.b.
Weigh Hopper Loading	
OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) shall not exceed 4.0 tons per year. No visible emissions of fugitive dust from the fabric filters during cement loading. See Section II.A.2.a.
OAC rule 3745-17-07(B)(1)	See Section II.A.2.b.
OAC rule 3745-17-08(B), (B)(3)	See Section II.A.2.b.
Loading of transit mix trucks	

OAC rule 3745-31-05(A)(3)	Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average for loading of transit mix trucks. See Section II.A.2.a.
OAC rule 3745-17-07(B)(1)	See Section II.A.2.b.
OAC rule 3745-17-08(B), (B)(3)	See Section II.A.2.b.

2. Additional Terms and Conditions

- 2.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.

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

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 Recordkeeping 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

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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.

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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.

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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 were 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

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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.

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E. Testing Requirements

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

a. 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.

b. 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.

c. Emissions Limitation:

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

Applicable Compliance Method:

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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).

d. 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

None