State of Ohio Environmental Protection Agency

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1/22/2010

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No	MODELING SUBMITTED

PETE THOMAS
ALL OHIO READY MIX-WEST UNITY
7901 SYLVANIA AVE
SYLVANIA, OH 43560

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0386000091
Permit Number: P0087788
Permit Type: Renewal
County: Williams

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.ohio.gov/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of $70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

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

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Northwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.ohio.gov/dapc.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NWDO

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Air Pollution Permit-to-Install and Operate
for
ALL OHIO READY MIX-WEST UNITY

Facility ID: 0386000091
Permit Number: P0087788
Permit Type: Renewal
Issued: 1/22/2010
Effective: 1/22/2010
Expiration: 1/22/2020

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
ALL OHIO READY MIX-WEST UNITY

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Authorization

Facility ID: 0386000091
Application Number(s): A0018847
Permit Number: P0087788
Permit Description: Renewal PTIO for a concrete batch plant and associated roadways and parking areas
Permit Type: Renewal
Permit Fee: $0.00
Issue Date: 1/22/2010
Effective Date: 1/22/2010
Expiration Date: 1/22/2020
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

ALL OHIO READY MIX-WEST UNITY
123 S. LIBERTY ST
WEST UNITY, OH 43570

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Authorization (continued)

Permit Number: P0087788
Permit Description: Renewal PTIO for a concrete batch plant and associated roadways and parking areas

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

Emissions Unit ID:	**F001**
Company Equipment ID:	Storage Piles
Superseded Permit Number:	03-17129
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F002**
Company Equipment ID:	Plant Roadways
Superseded Permit Number:	03-17129
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P001**
Company Equipment ID:	Cement Unloading
Superseded Permit Number:	03-17129
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P901**
Company Equipment ID:	Aggregate Processing
Superseded Permit Number:	03-17129
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. **What does this permit-to-install and operate ("PTIO") allow me to do?**

   This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. **Who is responsible for complying with this permit?**

   The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

   The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. **What records must I keep under this permit?**

   You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. **What are my permit fees and when do I pay them?**

   There are two fees associated with permitted air contaminant sources in Ohio:

   - PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

     You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

   - Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. **When does my PTIO expire, and when do I need to submit my renewal application?**

   This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.
If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Northwest District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emission unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the

change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

B. Facility-Wide Terms and Conditions

1. 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).

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

      (1) None.

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

      (1) None.

C. Emissions Unit Terms and Conditions

1. F001, Storage Piles

Operations, Property and/or Equipment Description:

Storage Piles

a) 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.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	0.13 tons/yr fugitive particulate emissions (PE) 0.12 tons/yr fugitive particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10) <u>load-in and load-out of storage piles [see Section b)(2)a.]</u> no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [see Sections b)(2)b., b)(2)c. and b)(2)f.]

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		wind erosion from storage piles [see Section b)(2)a.] no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [see Sections b)(2)d. through b)(2)f.]
b.	OAC rule 3745-17-07(B)	See Section b)(2)g.
c.	OAC rule 3745-17-08(B)	See Section b)(2)h.

(2) Additional Terms and Conditions

a. The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

Aggregate Pile (2 total)

Sand Pile

Note: Load-out emissions from the storage piles involve the transfer of material to elevated bins

b. 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 storage pile materials with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

c. 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 storage pile materials with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

d. 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 water application as needed to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

e. 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.

f. 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 rule 3745-31-05.

g. This emission unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

h. The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emission unit is exempt from the requirements of OAC rule 3745-17-07(B).

c) Operational Restrictions

(1) None.

d) 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
all storage piles	once per day of operation

(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
all storage piles	once per day of operation

(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
all storage piles	once per day of operation

(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 d)(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.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

The permittee shall identify in the annual PER the following occurrences concerning inspection and control measure requirements:

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.

f) Testing Requirements

(1) Compliance with the emission limitations specified in section b)(1) shall be determined in accordance with the following methods:

a. Emission Limitation: 0.13 tons/yr fugitive PE

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 55,946 tons per year of aggregate and 42,840 tons per year of sand. Wind erosion emissions are based on a maximum storage pile surface area of 0.2 acre for aggregate and sand listed in the permit application:

The emission rate was determined as follows:

i. Load-in - emissions associated with load-in operations were established by multiplying maximum load-in rates of 98,786 tons product per year by the appropriate emission factors from AP-42 section 13.2.4.3 (1/95) [0.012 lb PE/ton, for aggregate and sand], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.03 ton PE/yr)

ii. Load-out – emissions rate is the same as for load-in. (0.03 ton PE/yr)

iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.2 acre for aggregate and sand, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [1.33 lbs PE/day/acre for aggregate & 2.68 lbs PE/day/acre for sand], a maximum operating schedule of 365 days per year and dividing by 2000. (0.07 ton PE/yr)

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

b. Emission Limitation: 0.12 tons/yr fugitive PM10

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 55,946 tons per year of aggregate and 42,840 tons per year of sand. Wind erosion emissions are based on a maximum storage pile surface area of 0.2 acre for aggregate and sand as listed in the permit application:

The emission rate was determined as follows:

i. Load-in - emissions associated with load-in operations were established by multiplying maximum load-in rates of 98,786 tons product per year by the appropriate emission factors from AP-42 section 13.2.4.3 (1/95) [0.0043 lb PM10 /ton, both aggregate and sand], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.01 ton PM10 /yr)

ii. Load-out - emissions rate is the same as for load-in.(0.01 ton PM10 /yr)

iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 0.2 acre for aggregate and sand, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [2.66 lbs PE/day/acre for aggregate & for sand], a maximum operating schedule of 365 days per year and dividing by 2000. (0.10 ton PM10 /yr)

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PM10 limitation will be assumed.

c. Emission Limitation: no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period from load-in and load-out of the storage piles

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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

d. Emission Limitation: no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period from 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None.

2. F002, Plant Roadways

Operations, Property and/or Equipment Description:

Roadways

a) 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.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	1.13 tons/yr fugitive particulate emissions (PE) 0.23 tons/yr fugitive particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10) <u>Paved Roadways:</u> no visible particulate emissions except for a period of time not to exceed six minutes during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See Sections b)(2)b. through b)(2)g.] <u>Unpaved Roadways:</u>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See Sections b)(2)b. through b)(2)g.]
b.	OAC 3745-17-07(B)	See Section b)(2)h.
c.	OAC 3745-17-08(B)	See Section b)(2)i.

(2) Additional Terms and Conditions

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

<u>roadways and parking areas</u>: access plant roadway (raw material delivery, transit-mix trucks) front-end loader routes

b. The permittee shall employ best available control measures on all unpaved roadways and parking areas and 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 unpaved roadways and parking areas and unpaved roadways and parking areas with watering at sufficient treatment frequencies, and speed reduction, to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

c. 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.

d. 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 using watering. 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 of: no visible particulate emissions except for one minute during any 60-minute period.

e. 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.

f. 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.

g. 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.

h. This emission unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

i. The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emission unit is exempt from the requirements of OAC rule 3745-17-07(B).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

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

unpaved roadways and parking areas	minimum inspection frequency
all roadways and parking areas	once per day of operation

paved roadways and parking areas	minimum inspection frequency
all roadways and parking areas	once per day of operation

(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 d)(4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

The permittee shall identify in the annual PER the following occurrences concerning inspection and control measure requirements:

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.

f) Testing Requirements

(1) Compliance with the emission limitations specified in section b)(1) shall be determined in accordance with the following methods:

a. <u>Emission Limitation</u>: 1.13 tons/yr fugitive PE

<u>Applicable Compliance Method</u>: The emission limitation was determined as follows:

Unpaved Roadways: by multiplying AP-42 emission factor for unpaved roadways of 1.18 lb PE/VMT [Section 13.2.2.2 (12/03)], applying a control efficiency of 95%

for use of best available control measures, and the maximum vehicle miles traveled (VMT) of 500 miles per year, and dividing by 2000lbs/ton. (0.01 tons PE/yr), plus

Paved Roadways: by multiplying AP-42 emission factor for paved roadways of 12.79 lb PE/VMT [Section 13.2.2.2 (12/03)], applying a control efficiency of 95% for use of best available control measures, and the maximum vehicle miles traveled (VMT) of 3,500 miles per year, and dividing by 2000 lbs/ton. (1.12 tons PE/yr)

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

b. Emission Limitation: 0.23 tons/yr fugitive PM10

Applicable Compliance Method: The emission limitation was determined as follows:

Unpaved Roadways: by multiplying AP-42 emission factor for unpaved roadways of 0.41 lbs PM10/VMT [Section 13.2.2.2 (12/03)], applying a control efficiency of 95% for use of best available control measures, and the maximum vehicle miles traveled (VMT) of 500 per year (0.01 tons/PM10/yr), plus

Paved Roadways: multiplying AP-42 emission factor for paved roadways of 2.50 lbs PM10/VMT [Section 13.2.2.2 (12/03)], applying a control efficiency of 95% for use of best available control measures, and the maximum vehicle miles traveled (VMT) of 3,500 per year. (0.22 ton PM10/yr).

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PM-10 limitation will be assumed.

c. Emission Limitation: no visible particulate emissions except for a period of time not to exceed six minutes during any 60-minute observation period for paved roadways and parking areas

Applicable Compliance Method: If required, compliance with the visible emission limitation specified 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

d. Emission Limitation: no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period for unpaved roadways and parking areas

Applicable Compliance Method: If required, compliance with the visible emission limitation specified 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None.

3. P001, Cement Unloading

Operations, Property and/or Equipment Description:

Cement Unloading

a) 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.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	0.03 grains particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10) per dry standard cubic foot 0.47 tons PM10/yr Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average. See Sections b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-07(A)	None [See Section b)(2)c.]
c.	OAC rule 3745-17-11(B)	None [See Section b)(2)d.]

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) control requirements for the control of PE from this emissions unit shall be the use of a baghouse/bin vents which can achieve a maximum outlet concentration of 0.03 grains PM10/dscf.

b. All stack emissions of particulate matter are PM10.

c. This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

d. The uncontrolled mass rate of particulate emissions (PE) from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table I does not apply since the facility is located in Williams County.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) 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 grain receiving, transferring and conveying and loading operations. 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 abnormal 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.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall

cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

(2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(1) above:

a. all days during which any visible particulate emissions were observed from the stack serving this emission unit; and

b. any corrective actions taken to eliminate the visible particulate emissions.

f) Testing Requirements

(1) Compliance with the emission limitations specified in section b)(1) shall be determined in accordance with the following methods:

a. Emission Limitation: 0.03 grains particulate matter (PM) per dry standard cubic foot

Applicable Compliance Method: The 0.03 gr PM10/dscf limit was established in accordance with the manufacturer's guaranteed outlet concentration. If required, the permittee shall demonstrate compliance with the gr/dscf limitation by testing in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

b. Emission Limitation: 0.47 tons PM10/yr

Applicable Compliance Method: The permittee shall demonstrate compliance with the annual limitation by multiplying the maximum outlet concentration from the baghouses (0.03 gr PM10/dscf) by the maximum volumetric air flow (1200 acfm), 60 minutes/hr, and a maximum operating schedule of 3,000 hrs/yr, and then dividing by 7000 grains/lb and 2000 lbs/ton. Therefore provided compliance is demonstrated with the maximum outlet concentration, compliance with the annual emission limitation will be assumed.

c. Emission Limitation: Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average.

Applicable Compliance Method: If required, compliance shall be determined in accordance with the test method and procedures specified in Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.

4. P901, Aggregate Processing

Operations, Property and/or Equipment Description:

Aggregate Processing

a) 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.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	3.77 tons/yr of fugitive particulate emissions (PE) 0.41 tons/yr fugitive particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10) use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See Sections b)(2)b. through b)(2)d.] opacity restrictions [See Section b)(2)e.] 0.03 grains particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10) per dry standard cubic foot (from stack) 2.58 tons PM10/yr (from stack)

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average (from the stack). See Sections b)(2)f. and b)(2)g.
b.	OAC rule 3745-17-07(A)	None [See section b)(2)h.]
c.	OAC rule 3745-17-07(B)	None [See section b)(2)i.]
d.	OAC rule 3745-17-08(B)	None [See section b)(2)j.]
e.	OAC rule 3745-17-11(B)	None [See section b)(2)k.]

(2) Additional Terms and Conditions

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

sand and aggregate weigh hopper

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

material handling operation(s)	control measure(s)
sand and aggregate weigh hopper	watering

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

c. For each material handling operation, 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 measures(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures(s) shall continue during the mineral extraction operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

d. 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 3745-31-05.

e. Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from the following material handling operations: sand and aggregate weigh hopper and transit-mix truck loading.

f. All stack emissions of particulate matter are PM10.

g. Best Available Technology (BAT) control requirements for the control of particulate matter from this emissions unit shall be the use of baghouses for the cement and supplement weigh hopper and transit-mix truck loading which can achieve a maximum outlet concentration of 0.03 grains PM10/dscf.

h. This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

i. This emission unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

j. The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emission unit is exempt from the requirements of OAC rule 3745-17-07(B).

k. The uncontrolled mass rate of particulate emissions (PE) from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table I does not apply since the facility is located in Williams County.

c) Operational Restrictions

(1) The maximum hours of operation for the concrete batch plant shall not exceed 3,000 hours per year.

d) 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
all	once per day of operation

(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 required in d)(4)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

(5) 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. 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 abnormal visible emissions.

(6) The permittee shall collect and record the following information each month:

a. The total tons per month of concrete produced

b. The annual, year-to-date tons of concrete produced (summation of 'a', for each calendar month to date from January to December).

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

(2) The permittee shall identify in the annual PER the following occurrences concerning inspection and control measure requirements:

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.

(3) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(5) above:

a. all days during which any visible particulate emissions were observed from the stack serving this emission unit; and

b. any corrective actions taken to eliminate the visible particulate emissions.

f) Testing Requirements

(1) Compliance with the emission limitations specified in section b)(1) shall be determined in accordance with the following methods:

a. Emission Limitation: 3.77 tons/yr fugitive PE

Applicable Compliance Method: The emission limitation was established by combining the emissions from sand and aggregate weigh hopper load-in operations and from transit-mix truck loading weigh hopper load in operations as listed in the permittee's application and applying a (1 - 0.90) factor, for uncaptured emissions. Load-in operation emissions are based on a maximum load-in rate of 98,786 tons per year of sand and aggregate (combined). Truck loading operation emissions are based on a maximum load-in rate of 115,500 tons per year (based on maximum annual operation of 3,000 hours per year).

The emission rate was determined as follows:

i. Load-in - emissions associated with load-in operations were established by multiplying maximum load-in rates of 98,786 tons sand and aggregate per year (based on maximum annual operation of 3,000 hours per year) by the appropriate emission factors from AP-42 Table 11.12-2 (10/01) [0.0051 lb PE/ton, both sand and aggregate] and dividing by 2000 lbs/ton. (0.25 ton PE/yr)

ii. Truck loading - emissions associated with truck loading operations were established by multiplying maximum load-in rates of 115,500 tons cement and supplement per year (based on maximum annual operation of 3,000 hours per year) by the appropriate emission factors from AP-42 Table 11.12-2 (10/01) [0.61 lb PE/ton], applying a 10% factor for uncaptured emissions and dividing by 2000 lbs/ton. (3.52 tons PE/yr)

Therefore, provided compliance is shown with the production restriction and the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

b. Emission Limitation: 0.41 ton/yr fugitive PM10

Applicable Compliance Method: The emission limitation was established by combining the emissions from sand and aggregate weigh hopper load-in operations and from transit-mix truck loading operations as listed in the permittee's application and applying a (1 - 0.90) factor, for uncaptured emissions for truck loading. Load-in operation emissions are based on a maximum load-in rate of 98,786 tons per year of sand and aggregate (combined). Truck loading operation emissions are based on a maximum load-in rate of 115,500 tons per year of cement and supplement (combined):

The emission rate was determined as follows:

i. Load-in - emissions associated with load-in operations were established by multiplying maximum load-in rates of 98,786 tons sand and aggregate per year (based on maximum annual operation of 3,000 hours per year) by the appropriate emission factors from AP-42 Table 11.12-2 (10/01) [0.0024 lb PE/ton, both sand and aggregate] and dividing by 2000 lbs/ton. (0.12 ton PM10 /yr)

ii. Truck loading - emissions associated with truck loading operations were established by multiplying maximum load-in rates of 115,500 tons cement and supplement per year (based on maximum annual operation of 3,000 hours per year) by the appropriate emission factors from AP-42 Table 11.12-2 (10/01) [0.051 lb PE/ton], applying a 10% factor for uncaptured emissions and dividing by 2000 lbs/ton. (0.29 ton PM10 /yr)

Therefore, provided compliance is shown with the production restriction and the requirements of this permit to apply best available control measures, compliance with the ton per year PM10 limitation will be assumed.

c. Emission Limitation: Visible particulate emissions shall not exceed 20% opacity as a 3-minute average from the following material handling operations and uncaptured emissions: sand and aggregate weigh hopper and transit-mix truck loading.

Applicable Compliance Method: If required, compliance with the visible emission limitation 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

d. Emission Limitation: 0.03 grains PM10/dscf

Applicable Compliance Method: The 0.03 gr/dscf limit was established in accordance with the manufacturer's guaranteed outlet concentration. If required, the permittee shall demonstrate compliance with the gr/dscf limitation by testing in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA, Northwest District Office.

e. Emission Limitation: 2.58 tons PM10/year

Applicable Compliance Method: The permittee shall demonstrate compliance with the annual limitation by multiplying the maximum outlet concentration from the baghouse (0.03 gr PM10/dscf) by the maximum volumetric air flow (6,700 acfm), 60 minutes/hr, and a maximum operating schedule of 3,000 hrs/yr, and then dividing by 7000 grains/lb and 2000 lbs/ton. Therefore provided compliance is demonstrated with the maximum outlet concentration, compliance with the annual emission limitation will be assumed.

f. Emission Limitation: Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average (from the stack).

Applicable Compliance Method: If required, compliance shall be determined in accordance with the test method and procedures specified in Method 9 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.