



Environmental Protection Agency

John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

11/7/2011

Jordan Schmeltz  
PALMER BROTHERS CONCRETE INC.  
12205 E GYPSY LN.  
BOWLING GREEN, OH 43402

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0374020168  
Permit Number: P0108764  
Permit Type: OAC Chapter 3745-31 Modification  
County: Seneca

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

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](http://www.epa.ohio.gov/dapc/permitsurvey.aspx) and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director 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, made payable to "Ohio Treasurer Josh Mandel," 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

If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc), by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: Ohio EPA-NWDO





**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
PALMER BROTHERS CONCRETE INC.**

Facility ID:	0374020168
Permit Number:	P0108764
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	11/7/2011
Effective:	11/7/2011
Expiration:	9/22/2021





Division of Air Pollution Control
Permit-to-Install and Operate
for
PALMER BROTHERS CONCRETE INC.

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## Authorization

Facility ID: 0374020168  
Application Number(s): A0042781  
Permit Number: P0108764  
Permit Description: This is an initial PTIO for a concrete batch plant (truck mix) that was installed in 1985.  
Permit Type: OAC Chapter 3745-31 Modification  
Permit Fee: \$1,250.00  
Issue Date: 11/7/2011  
Effective Date: 11/7/2011  
Expiration Date: 9/22/2021  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

PALMER BROTHERS CONCRETE INC.  
INDUSTRIAL PARK-US RT. 224  
Tiffin, OH 44883

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

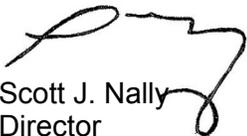
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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

  
Scott J. Nally  
Director



## Authorization (continued)

Permit Number: P0108764

Permit Description: This is an initial PTIO for a concrete batch plant (truck mix) that was installed in 1985.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

<b>Emissions Unit ID:</b>	<b>P001</b>
Company Equipment ID:	S-1
Superseded Permit Number:	
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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. 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<sup>1</sup> 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 emissions 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.

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<sup>1</sup>Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

**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. P001, S-1

Operations, Property and/or Equipment Description:

Truck mix ready mix concrete batch plant

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 operation(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 are identified below. 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)	<u>Transfer of Sand and Aggregate to Elevated Bins:</u>  0.79 ton fugitive particulate emissions (PE)/yr  Visible fugitive PE shall not exceed 20% opacity as a three-minute average.  See b)(2)a.  <u>Cement and Cement Supplement Unloading to Elevated Storage Silos:</u>  0.25lb PE/hr and 0.028 ton PE/yr  See b)(2)b.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<u>Weigh Hopper Loading:</u>  0.48 ton fugitive PE/yr  Visible fugitive PE shall not exceed 20% opacity as a three-minute average.  See b)(2)c.  <u>Loading of Transit-Mix Trucks:</u>  11.18 tons fugitive PE/yr  Visible fugitive PE shall not exceed 20% opacity as a three-minute average.  See b)(2)d.
b.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(B)	See b)(2)e.
d.	OAC rule 3745-17-07(B)	See b)(2)f.
e.	OAC rule 3745-17-08(B)	See b)(2)g.

(2) Additional Terms and Conditions

- a. The Best Available Technology (BAT) requirements for the transfer of sand and aggregate to elevated bins portion of this emissions unit have been determined to be the following:
  - i. Compliance with the terms and conditions of this permit.
  - ii. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. In accordance with the permittee’s application, the permittee has committed to the use of a building enclosure and high inherent moisture content to ensure compliance with the above-mentioned applicable requirements.
- b. The BAT requirements for the cement and cement supplement unloading to elevated storage silos portion of this emissions unit have been determined to be the following:
  - i. Use of a baghouse for pneumatic unloading of cement and cement supplement that shall achieve a 99.9% removal efficiency (100% capture), compliance with OAC rule 3745-17-07(A) and compliance with the terms and conditions of this permit.

- c. The BAT requirements for the weigh hopper loading portion of this emissions unit have been determined to be the following:
    - i. Compliance with the terms and conditions of this permit.
    - ii. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. In accordance with the permittee's application, the permittee has committed to the use of a building enclosure and high inherent moisture content to ensure compliance with the above-mentioned applicable requirements.
  - d. The BAT requirements for the loading of transit-mix trucks portion of this emissions unit have been determined to be the following:
    - i. Compliance with the terms and conditions of this permit.
    - ii. The permittee shall employ best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. In accordance with the permittee's application, the permittee has committed to the use of an adjustable gathering hopper to ensure compliance with the above-mentioned applicable requirements.
  - e. The emission limitation established pursuant to this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
  - f. This emissions 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).
  - g. 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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).
- c) Operational Restrictions
- (1) The maximum annual production rate for this emission unit shall not exceed 200,000 tons per year.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain annual records of the tons of concrete produced at this facility.
  - (2) The permittee shall perform weekly checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions from the baghouse stack serving this emissions unit. No inspections are required on days the material handling operations are not in operation. The presence or absence of any visible particulate emissions shall be recorded electronically or in an operations log. If visible particulate emissions are observed, the permittee shall also note the following in the operations log:
    - a. the total duration of any visible emission incident; and

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

The information above shall be kept separately for each fabric filter serving this emissions unit.

- (3) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from each sand and/or aggregate transfer point, weigh hopper loading, and truck loading operations serving this emissions unit. No inspections are required on days the material handling operations are not in operation. The presence or absence of any visible emissions shall be noted in an operations log. If visible particulate emissions are observed, the permittee shall also note the following in the operations log:
  - a. whether the emissions are representative of normal operations;
  - b. if the emissions are not representative of normal operations, the cause of the visible emissions;
  - c. the total duration of any visible emission incident; and
  - d. any corrective actions taken to eliminate the visible emissions.

The information above shall be kept separately for each sand and/or aggregate transfer point and truck loading serving this emissions unit.

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)(2) above:
  - a. all days during which any visible particulate emissions were observed from the baghouse stack serving this emission unit; and
  - b. any corrective actions taken to eliminate the visible particulate emissions.

The above information shall be provided as an attachment to the PER. If there are no day(s) and/or corrective action(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that no visible emissions were observed and no corrective actions were taken.

- (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)(3) above:

- a. all days during which any visible fugitive particulate emissions were observed from this emission unit; and
- b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

The above information shall be provided as an attachment to the PER. If there are no day(s) and/or corrective action(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that no visible emissions were observed and no corrective actions were taken.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation: Transfer of Sand and Aggregate to Elevated Bins - 0.79ton fugitive PE/yr

Applicable Compliance Method: The annual emission limitation was established by combining the annual fugitive emissions from the transfer of sand and aggregate and was calculated as follows:

Maximum annual concrete production rate = 200,000 tons/yr where the concrete is composed of 46.35% aggregate and 35.49% sand

Transfer of Aggregate: (200,000 tons/yr) (46.35%) (0.0069 lb PE/ton\*) (ton/2000lbs) (2\*\*) = 0.64 ton fugitive PE/yr

Transfer of Sand: (200,000 tons/yr) (35.49%) (0.0021 lb PE/ton\*) (ton/2000lbs) (2\*\*) = 0.15 ton fugitive PE/yr

\*Emission factors are from AP-42, Section 11.12 (6/06) and represent uncontrolled emissions.

\*\*There are two transfer points for sand and aggregate.

Total = 0.64 ton fugitive PE/yr + 0.15 ton fugitive PE/yr = 0.79 ton fugitive PE/yr

Therefore, provided compliance is shown with the best available control measures, compliance with the annual emission limitation shall also be demonstrated.

- b. Emission Limitation: Transfer of Sand and Aggregate to Elevated Bins - Visible fugitive PE shall not exceed 20% opacity as a three-minute average.

Applicable Compliance Method: If required, compliance with the visible emission limitation above shall be determined in accordance with Test Method 9 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.

- c. Emission Limitation: Cement and Cement Supplement Unloading to Elevated Storage Silos - 0.25 lb PE/hr and 0.028 ton PE/yr

Applicable Compliance Method: The hourly emission limitation was established by combining the hourly emissions from the cement and cement supplement unloading and was calculated as follows:

Cement Unloading: (25 tons/hr) (0.00099 lb PE/ton\*) = 0.03 lb PE/hr

Cement Supplement Unloading: (25 tons/hr) (0.0089 lb PE/ton\*) = 0.22 lb PE/hr

Total = 0.03 lb PE/hr + 0.22 lb PE/hr = 0.25 lb PE/hr

If required, the permittee shall demonstrate compliance with the hourly PE limitation in accordance with the test methods and procedures specified in Methods 1 – 5 of 40 CFR, Part 60, Appendix A.

The annual emission limitation was established by combining the annual emissions from the cement and cement supplement unloading, which is based on a maximum annual concrete production rate of 200,000 tons/yr, where the concrete is composed of 12.20% cement and 1.81% cement supplement and the following information:

Cement Unloading: (200,000 tons/yr) (12.20%) (0.00099 lb PE/ton\*) (ton/2000lbs) = 0.012 ton PE/yr

Cement Supplement Unloading: (200,000 tons/yr) (1.81%) (0.0089 lb PE/ton\*) (ton/2000lbs) = 0.016 ton PE/yr

Total = 0.012 ton PE/yr + 0.016 ton PE/yr = 0.028 ton PE/yr

\*Emission factors are from AP-42, Section 11.12 (6/06) and represent controlled emissions.

Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual emission limitation shall also be demonstrated.

- d. Emission Limitation: Weigh Hopper Loading – 0.48 ton fugitive PE/yr

Applicable Compliance Method: The annual emission limitation was developed by multiplying the maximum annual production rate of 200,000 tons/yr by the emission factor of 0.0048 lb PE/ton from AP-42, Section 11.12 (6/06), then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the annual production restriction, compliance with the annual emission limitation shall also be demonstrated.

- e. Emission Limitation: Weigh Hopper Loading - Visible fugitive PE shall not exceed 20% opacity as a three-minute average.

Applicable Compliance Method: If required, compliance with the visible emission limitation above shall be determined in accordance with Test Method 9 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.

- f. Emission Limitation: Loading of Transit-Mix Trucks – 11.18 tons fugitive PE/yr
- Applicable Compliance Method: The annual emission limitation was developed by multiplying the maximum annual production rate of 200,000 tons/yr by the emission factor of 1.118 lbs PE/ton from AP-42, Section 11.12 (6/06), dividing by 2000 lbs/ton, then applying a 90% control efficiency for the adjustable gathering hopper. Therefore, provided compliance is shown with the annual production restriction, compliance with the annual emission limitation shall also be demonstrated.
- g. Emission Limitation: Loading of Transit-Mix Trucks - Visible fugitive PE shall not exceed 20% opacity as a three-minute average.
- h. Applicable Compliance Method: If required, compliance with the visible emission limitation above shall be determined in accordance with Test Method 9 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.
- i. Emission Limitation: Visible particulate emissions shall not exceed 20% opacity, as a six minute average, except as provided by rule.

Applicable Compliance Method: If required, compliance with the visible emission limitation shall be determined in accordance with OAC rule 3745-17-03(B)(1).

- g) Miscellaneous Requirements
- (1) None.