



John R. Kasich, Governor
 Mary Taylor, Lt. Governor
 Craig W. Butler, Director

6/5/2015

Certified Mail

John Hirschfeld
 Quality Ready Mix
 16672 County Rd. 66 A
 St. Marys, OH 45885

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0302020084
 Permit Number: P0118920
 Permit Type: Renewal
 County: Allen

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) 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. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO 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
 77 South High Street, 17th Floor
 Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

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.

Sincerely,



Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: Ohio EPA-NWDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Quality Ready Mix**

Facility ID:	0302020084
Permit Number:	P0118920
Permit Type:	Renewal
Issued:	6/5/2015
Effective:	6/5/2015
Expiration:	6/5/2025



Division of Air Pollution Control
Permit-to-Install and Operate
for
Quality Ready Mix

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Final Permit-to-Install and Operate
Quality Ready Mix
Permit Number: P0118920
Facility ID: 0302020084
Effective Date: 6/5/2015

Authorization

Facility ID: 0302020084
Application Number(s): A0053481
Permit Number: P0118920
Permit Description: PTIO Renewal permit for a concrete batch plant (P001 and P901) and associated roadways and storage piles
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 6/5/2015
Effective Date: 6/5/2015
Expiration Date: 6/5/2025
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Quality Ready Mix
South Dixie Highway
Lima, OH 45804

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

Ohio Environmental Protection Agency (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


Craig W. Butler
Director



Authorization (continued)

Permit Number: P0118920
Permit Description: PTIO Renewal permit for a concrete batch plant (P001 and P901) and associated roadways and storage piles

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:	plant paved and unpaved roadways and parking areas
Superseded Permit Number:	03-17037
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F002
Company Equipment ID:	plant aggregate storage
Superseded Permit Number:	03-17037
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P001
Company Equipment ID:	cement unloading/transfer to bins/silo
Superseded Permit Number:	03-17037
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P901
Company Equipment ID:	Aggregate and sand weigh hopper, cement and supplement weigh
Superseded Permit Number:	03-17037
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
Quality Ready Mix
Permit Number: P0118920
Facility ID: 0302020084
Effective Date: 6/5/2015

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 of this permit 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 [DO/LAA] 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.



Final Permit-to-Install and Operate
Quality Ready Mix
Permit Number: P0118920
Facility ID: 0302020084
Effective Date: 6/5/2015

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.



Final Permit-to-Install and Operate
Quality Ready Mix
Permit Number: P0118920
Facility ID: 0302020084
Effective Date: 6/5/2015

C. Emissions Unit Terms and Conditions

1. F001, plant paved and unpaved roadways and parking areas

Operations, Property and/or Equipment Description:

plant aggregate storage

- 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.
 - b. 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)	0.81 ton/yr fugitive particulate emissions (PE) 0.22 ton/yr fugitive particulate matter with an aerodynamic diameter less than or equal to a 10 micrometers (PM10) No visible PE except for a period of time not to exceed three minutes during any 60-minute observation period Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b. through b)(2)g.]
b.	OAC rule 3745-17-07(B)(1)	See b)(2)h.
c.	OAC rule 3745-17-08(B)(1)	See b)(2)h.

(2) Additional Terms and Conditions

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

Unpaved roadways and parking areas:

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 for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with 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 re-suspension, 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(A)(3).

- h. The unpaved roadways and parking areas are associated with the portable concrete batching operations (emissions unit P001, P902) permitted under facility ID 0302020084. The emission limitations in b)(1) above represent the maximum emissions which will be emitted from the roadways and parking areas for any proposed site for relocation of the portable concrete batching plant.

The unpaved roadways and parking areas are associated with a portable source and are subject to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. Best Available Technology (BAT) for the roadways and parking areas, as set forth by the requirements/emissions limitations of this permit under OAC 3745-31-05(A)(3), are more stringent than any requirements/emissions limitations as may be applicable under OAC 3745-17-07(B) and OAC 3745-17-08(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:

<u>unpaved roadways</u>	<u>minimum inspection frequency</u>
all roadways	once per day of operation
<u>unpaved parking areas</u>	<u>minimum inspection frequency</u>
all 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) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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.
- (3) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in term number d)(4) above:
 - 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.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or instances(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that all inspections were performed by the required frequency, and control measure(s) were properly implemented.

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:0.81 ton/yr fugitive PE

Applicable Compliance Method:The emission limitation was established by multiplying the AP-42 emission factor for unpaved roadways of 8.82 lb PE/vehicle miles traveled (VMT) [Section 13.2.2.2 (12/03)] by the maximum VMT of 3,678



per year, dividing by 2000lbs/ton then applying a control efficiency of 95% for use of best available control measures.

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 shall also be demonstrated.

- b. Emission Limitation:0.22 tons/yr fugitive PM10

Applicable Compliance Method: The emission limitation was established by multiplying the AP-42 emission factor for unpaved roadways of 2.49 lbs PM10/vehicle miles traveled (VMT) [Section 13.2.2.2 (12/03)]by the maximum VMT of 3,678 per year, then applying a control efficiency of 95% for use of best available control measures.

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 shall also be demonstrated.

- c. Emission Limitation:No visible PE except for a period of time not to exceed three 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 Method 22 of 40 CFR, Part 60, Appendix A.

- g) Miscellaneous Requirements

- (1) None.

2. F002, plant aggregate storage

Operations, Property and/or Equipment Description:

plant paved and unpaved roadways and parking areas

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.

b. 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)	1.29 tons/yr fugitive particulate emissions (PE) 0.55 ton/yr fugitive particulate matter with an aerodynamic diameter less than or equal to a 10 micrometers (PM10) No visible PE except for a period of time not to exceed one minute during any 60-minute observation period from load-in, load-out and wind erosion Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b. through b)(2)f.]
b.	OAC rule 3745-17-07(B)(1)	See b)(2)g.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-08(B)(1)	See b)(2)g.

(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 above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- 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 (A)(3).
- g. The storage piles are associated with the portable concrete batching operations (emissions units P001 and P901) permitted under facility ID 0302020084. The emission limitations in b)(1) above represent the maximum emissions which will be emitted from the storage piles associated with the concrete batching operations.

The storage piles are associated with a portable source and are subject to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. Best Available Technology (BAT) for the storage piles, as set forth by the requirements/emissions limitations of this permit under OAC 3745-31-05(A)(3), are more stringent than any requirements/emissions limitations as may be applicable under OAC 3745-17-07(B) and OAC 3745-17-08(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:

<u>Storage pile identification</u>	<u>minimum load-in inspection frequency</u>
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:

<u>Storage pile identification</u>	<u>minimum load-in inspection frequency</u>
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:

<u>Storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
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) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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.
- (3) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in term number d)(7) above:
 - 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.

- (4) The above information shall be provided as an attachment to the PER. If there were no day(s) and/or instances(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that all inspections were performed by the required frequency, and control measure(s) were properly implemented.
- f) Testing Requirements
- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- a. Emission Limitation: 1.29 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 operation emissions are based on a maximum load-in and load-out rate of 1,084,050 tons per year of aggregate and 867,240 tons per year of sand. Wind erosion emissions are based on a maximum storage pile surface area of 3.16 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 the maximum load-in rates of 1,084,050 tons aggregate 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 2000lbs/ton. (0.58 ton PE/yr).
- ii. Load-out - emissions rate is same the as for load-in. (0.58 ton PE/yr).
- iii. Wind erosion - emissions associated with wind erosion were established by multiplying a maximum combined storage pile surface area of 3.16 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 2000lbs/ton. (0.126 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 shall be demonstrated.

- b. Emission Limitation: 0.55 ton/yr fugitive PM10

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and the load-out operations and from wind

erosion from each storage pile as listed in the permittee's application and applying 95% control efficiency for use of best available control measures. Load-in and load-out rate of 1,084,050 tons per year of aggregate and 867,240 tons per year of sand. Wind erosion emissions are based on a maximum storage pile surface area of 3.16 acre for aggregate and sand as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in – emission associated with load-in operations were established by multiplying maximum load-in rates of 1,084,050 tons aggregate per year and 867,240 tons sand 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/tons. (0.11 ton PM10/yr).
- ii. Load-out – emissions rate is the same as load-in. (0.11 ton PM10 /yr).
- iii. Wind erosion – emissions were established by multiplying a maximum combined storage pile surface are of 3.16 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. (0.15 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 shall also be demonstrated.

- c. Emission Limitation:No visible PE except for a period of time no to exceed one minute 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 Method 22 of 40 CFR, Part 60, Appendix A.

g) Miscellaneous Requirements

- (1) None.

3. P001, cement unloading/transfer to bins/silo

Operations, Property and/or Equipment Description:

cement unloading/transfer to bins/silo.

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.

b. 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)	0.03 grains particulate matter with an aerodynamic diameter less than or equal to 10 micrometers (PM10) per dry standard cubic foot (dscf) from the stack serving emission units P001 and P901 2.77 tons PM10/yr from emissions units P001 and P901 combined Visible particulate emissions (PE) shall not exceed 5 percent opacity, as a six-minute average from the stack serving emission units P001 and P901 See b)(2)a. and b)(2)b.
b.	OAC rule 3745-17-11(B)	See b)(2)c.
c.	OAC rule 3745-17-07(A)	See b)(2)c.

- (2) Additional Terms and Conditions
 - a. All emissions of particulate matter are PM10.
 - b. The Best Available Technology (BAT) requirements for the control of PE from this emissions unit shall be the use of a baghouse which can achieve a maximum outlet concentration of 0.03 grains PM10/dscf.
 - c. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 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 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 visible emissions.
- e) Reporting Requirements
 - (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
 - (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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.
 - (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 d)(1) above:
 - a. all days during which any visible particulate emissions were observed from the stack serving this emission unit;

- 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.

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: 0.03 grains PM10/dscf from the stack serving emission units P001 and P901

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 1-4 of 40 CFR, part 60, Appendix A and Methods 201/201A 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: 2.77 tons PM10/yr from emissions units P001 and P901 combined

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 (7200 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 shall also be demonstrated

- c. Emission Limitation: Visible PE shall not exceed 5 percent opacity, as a six-minute average from the stack serving emission units P001 and P901.

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 and sand weigh hopper, cement and supplement weigh

Operations, Property and/or Equipment Description:

Aggregate and sand weigh hopper, cement and supplement weigh hopper, transmit-mix truck loading.

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.

b. 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)	25.51 tons/yr of fugitive particulate emissions (PE) 2.79 tons/yr fugitive particulate matter with an aerodynamic diameter less than or equal to 10 micrometers (PM10) Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)b. through b)(2)d.] Opacity restrictions [See b)(2)e.] 0.03 grains PM10 per dry standard cubic foot (dscf) from the stack serving emission units P001 and P901

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		2.77 tons PM10/yr from emissions unit P001 and P901 combined Visible PE shall not exceed 5 percent opacity, as a six-minute average from the stack serving emission units P001 and P901 See b)(2)f. and b)(2)g.
b.	OAC rule 3745-17-07(B)(1)	See b)(2)h.
c.	OAC rule 3745-17-08(B)(1)	See b)(2)h.
d.	OAC rule 3745-17-11 (B)	See b)(2)i.
e.	OAC rule 3745-17-07 (A)	See b)(2)i.

(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:

<u>Material handling operation(s)</u>	<u>control measure(s)</u>
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(A)(3).
- e. Visible PE 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. The emission limitations in b)(1) above represent the maximum emissions which will be emitted from the portable concrete batching plant for any proposed site for relocation.

The concrete batching plant is a portable source and is subject to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. Best Available Technology (BAT) for the concrete batching plant, as set forth by the requirements/emissions limitations of this permit under OAC 3745-31-05(A)(3), are equivalent to or more stringent than any requirements/emissions limitations as may be applicable under OAC 3745-17-07(B) and OAC 3745-17-08(B).

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

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:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
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) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the appropriate district office or local air agency.
- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency 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.

- (3) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in term number d)(4) above:
- 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.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or instances(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that all inspections were performed by the required frequency, and control measure(s) were properly implemented.

- (4) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term d)(5) above:
- a. all days during which any visible particulate emissions were observed from the stack serving this emission unit;
 - 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.

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: 25.51 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 668,250 tons per year of sand and aggregate (combined). Truck loading operation emissions are based on a maximum load-in rate of 780,750 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 668,250 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 2000lbs/ton. (1.70 ton PE/yr).
- ii. Truck loading - emissions associated with truck loading operations were established by multiplying maximum load-in rates of 780,750 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. (23.81 ton 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 shall be demonstrated.

- b. Emission Limitation:2.79 tons/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 628,250 tons per year of sand and aggregate (combined). Truck loading operation emissions are based on a maximum load-in rate of 780,750 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 668,250 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 2000lbs/ton. (0.80 ton PM10 /yr).
- ii. Truck loading - emissions associated with truck loading operations were established by multiplying maximum load-in rates of 780,750 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 2000lbs/ton. (1.99 tons 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 PE 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 Method 9 of 40 CFR, Part 60, Appendix A.

- d. Emission Limitation: 0.03 grains PM10/dscf from the stack serving emission units P001 and P901.

Applicable Compliance Method: The 0.03 gr/dscf limitation 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 1-4 of 40 CFR, Part 60, Appendix A and Methods 201/201A 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: 2.77 tons PM10/year from emissions units P001 and P901 combined.

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 (7,200 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 shall also be demonstrated.

- f. Emission Limitation: Visible PE shall not exceed 5 percent opacity, as a six-minute average from the stack serving emission units P001 and P901.

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) Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit,
- b. the portable emissions unit is operating pursuant to a currently effective permit to install, permit to operate or registration;

- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgment, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
- (2) In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
- a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
 - g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.
- Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.
- (3) In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.
- (4) The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions from the portable emission units are included in the facility potential to emit calculations for Title V and PSD applicability.



Final Permit-to-Install and Operate

Quality Ready Mix

Permit Number: P0118920

Facility ID: 0302020084

Effective Date: 6/5/2015

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".