



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

5/27/2015

Certified Mail

RODNEY HENSEL
HENSEL READY MIX
9925 C.R. 265
KENTON, OH 43326

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: 0351000092
Permit Number: P0118908
Permit Type: Renewal
County: Marion

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
HENSEL READY MIX**

Facility ID:	0351000092
Permit Number:	P0118908
Permit Type:	Renewal
Issued:	5/27/2015
Effective:	5/27/2015
Expiration:	5/27/2025



**Division of Air Pollution Control
Permit-to-Install and Operate**

for
HENSEL READY MIX

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Final Permit-to-Install and Operate
HENSEL READY MIX
Permit Number: P0118908
Facility ID: 0351000092
Effective Date: 5/27/2015

Authorization

Facility ID: 0351000092
Application Number(s): A0053460
Permit Number: P0118908
Permit Description: Renewal PTIO for a concrete batch plant (P901 and P902) and associated roadways (F001) and storage piles (F002)
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 5/27/2015
Effective Date: 5/27/2015
Expiration Date: 5/27/2025
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

HENSEL READY MIX
5390 MARION-MARYSVILLE ROAD
Prospect, OH 43342

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

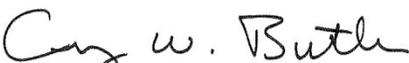
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

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



Final Permit-to-Install and Operate
HENSEL READY MIX
Permit Number: P0118908
Facility ID: 0351000092
Effective Date: 5/27/2015

Authorization (continued)

Permit Number: P0118908
Permit Description: Renewal PTIO for a concrete batch plant (P901 and P902) and associated roadways (F001) and storage piles (F002)

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:	Roadways and Parking Areas
Superseded Permit Number:	03-13586
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F002
Company Equipment ID:	Aggregate Storage Piles
Superseded Permit Number:	03-13586
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P901
Company Equipment ID:	Cement Unloading and Aggregate Transfer to Bins/Silos
Superseded Permit Number:	03-13586
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	P902
Company Equipment ID:	Weigh Hopper and Truck Loading/Mixing
Superseded Permit Number:	03-13586
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
HENSEL READY MIX
Permit Number: P0118908
Facility ID: 0351000092
Effective Date: 5/27/2015

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
HENSEL READY MIX
Permit Number: P0118908
Facility ID: 0351000092
Effective Date: 5/27/2015

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
HENSEL READY MIX
Permit Number: P0118908
Facility ID: 0351000092
Effective Date: 5/27/2015

C. Emissions Unit Terms and Conditions

1. F001, Roadways and Parking Areas

Operations, Property and/or Equipment Description:

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.
 - 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)	11.20 tons/year of fugitive particulate emissions (PE) No visible PE except for a period of time not to exceed three minutes during any 60-minute observation period for unpaved roadways Best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust [See b)(2)c. through b)(2)h.]
b.	OAC rule 3745-17-08(B)	See b)(2)a.
c.	OAC rule 3745-17-07(B)	See b)(2)a.

(2) Additional Terms and Conditions

- a. The unpaved roadways and parking areas are associated with the portable concrete batching plant, emission units P901 & P902 permitted under facility ID 0351000092. The emission limitation of 11.20 TPY fugitive PE represents 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 roadways and parking areas are associated with a portable source and are applicable to the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rules 3745-17-07(B) and 3745-17-08(B) are equivalent or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

- b. The unpaved roadways/parking areas that are covered by this permit and subject to the above-mentioned requirements are listed:
- i. 0.35 mile (20,000 square feet) roadway/parking area specified as truck routes in the PTI application.
 - ii. 0.10 mile (5,000 square feet) roadway/parking area specified as loader routes in the PTI application.
- c. 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 application, the permittee has committed to treat the unpaved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. 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 unpaved roadways and parking areas that are 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.
- e. 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 water. 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 a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.

- f. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- g. 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.
- h. 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).

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 of the roadway segments and parking areas in accordance with the following frequencies:

<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all	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: 11.20 tons/yr of fugitive PE

Applicable Compliance Method: The annual emission limitation was developed by multiplying the appropriate emission factor for unpaved roadways from AP-42, Section 13.2.2 (11/06) by the maximum vehicle miles traveled, dividing by 2000 lbs/ton, then applying a control efficiency of 50% for the 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 annual emission limitation shall also be demonstrated.

- b. Emission Limitation: No visible PE except for a period of time not to exceed 3 minutes during any sixty-minute observation period.

Applicable Compliance Method: If required, compliance with the emission limitation above shall be determined by visible emissions evaluations performed using the methods and procedures specified in Method 22 of 40 CFR, Part 60, Appendix A.

- g) Miscellaneous Requirements

- (1) None.

2. F002, Aggregate Storage Piles

Operations, Property and/or Equipment Description:

Aggregate Storage Piles

- a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - (1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - a. None.
 - (2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - a. None.
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific 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)	0.36 ton/year of fugitive particulate emissions (PE) No visible emissions 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 PE of fugitive dust [See b)(2)c. through b)(2)g.]
b.	OAC rule 3745-17-07(B)	See b)(2)a.
c.	OAC rule 3745-17-08(B)	See b)(2)a.

(2) Additional Terms and Conditions

- a. The sand and aggregate storage piles are associated with the portable concrete batching plant, emission units P901 & P902 permitted under facility ID 0351000092. The emission limitation of 0.36 TPY fugitive PE represents the maximum emissions which will be emitted from the storage piles for any proposed site for relocation of the portable concrete batching plant.

The storage piles are associated with a portable source and are applicable to the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B) when located in a "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rules 3745-17-07(B) and 3745-17-08(B) are equivalent or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

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

storage pile identification:

sand

aggregate

- c. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to watering at sufficient treatment frequencies to ensure compliance and avoid dragging any front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. 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.
- e. 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 application, the permittee has committed to watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- f. 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.

- 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 requirements of OAC rule 3745-31-05(A)(3).

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	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-out inspection frequency</u>
all	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	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 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)(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.

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: 0.36 ton/yr of fugitive PE

Applicable Compliance Method: The annual emission limitation was developed by multiplying the appropriate emission factors for load-in and load-out from AP-42, Section 13.2.4 (11/06) and for wind erosion from AP-42, Section 11.12 (6/06) by the maximum material loaded-in/loaded out, the maximum amount of material stored, dividing by 2000 lbs/ton and applying a control efficiency of 90% for the 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 annual emission limitation shall also be demonstrated.

b. Emission Limitation: No visible PE except for a period of time not to exceed 1 minute during any sixty-minute observation period from load-in, load-out and wind erosion.

Applicable Compliance Method: If required, compliance with the emission limitation above shall be determined by visible emissions evaluations performed using the methods and procedures specified in Method 22 of 40 CFR, Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.



3. P901, Cement Unloading and Aggregate Transfer to Bins/Silos

Operations, Property and/or Equipment Description:

Cement Unloading and Aggregate Transfer to Bins/Silos

- 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)	<p><u>Stack Emissions:</u> 0.01 lb particulate emissions (PE)/hr, 0.004 ton PE/yr</p> <p>Visible PE shall not exceed 20% opacity, as a 6-minute average from the stack associated with this emission unit</p> <p><u>Fugitive Emissions:</u> 2.30 ton fugitive PE/yr</p> <p>Visible fugitive PE shall not exceed 20% opacity, as a 3 minute average</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)e. and b)(2)f.]</p>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		See b)(2)d.
b.	OAC rule 3745-17-11(B)(1)	See b)(2)a.
c.	OAC rule 3745-17-11(B)(2)	See b)(2)b.
d.	OAC rule 3745-17-07(A)	See b)(2)a. and b)(2)b.
e.	OAC rule 3745-17-07(B)	See b)(2)c.
f.	OAC rule 3745-17-08(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. This emissions unit is a portable source and is subject to the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A) when located in a county specified in OAC rule 3745-17-11(B)(1). The emission limitations established by OAC rule 3745-17-11(B)(1) and 3745-17-07(A) are less stringent or equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

b. The uncontrolled mass rate of particulate emissions (PE) from this emissions unit is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply when the emissions unit is located in a county specified in OAC rule 3745-17-11(B)(2).

In accordance with OAC rule 3745-17-07(A)(1)(h), the visible particulate emission limitations specified in OAC rule 3745-17-07(A) are not applicable because OAC rule 3745-17-11 is not applicable to this emissions unit.

c. This emissions unit is a portable source and is subject to the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rules 3745-17-07(B) and 3745-17-08(B) are less stringent or equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

d. "Best Available Technology" (BAT) control requirements for emissions unit P901 has been determined to be the following:

- i. Use of a baghouse for pneumatic unloading of cement. The baghouse shall achieve a 99.9% removal efficiency (100% capture).
- ii. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)e.]

- e. The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust. In accordance with the permittee's permit application, the permittee has committed to minimize drop height for sand and aggregate transfer by belt conveyor to bins.

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

- 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).

c) Operational Restrictions

- (1) The maximum concrete production for the concrete batch plant shall not exceed 200,000 tons per year.
- (2) This facility shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form at least 30 days prior to any planned relocation of this source, in accordance with OAC rule 3745-31-03(A)(1)(p). Approval of the planned relocation must be obtained from NWDO prior to the relocation. The "Notice of Intent to Relocate a Portable or Mobile Source" shall include all associated emission units such as Roadways/Parking Areas and Storage Piles.

d) Monitoring and/or Recordkeeping Requirements

- (1) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range established for the pressure drop across the baghouse is between 0.5 to 5 inches of water.
- (2) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a weekly basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
- b. the magnitude of the deviation at that time;
- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and

- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- f. a description of the corrective action;
- g. the date corrective action was completed;
- h. the date and time the deviation ended;
- i. the total period of time (in minutes) during which there was a deviation;
- j. the pressure drop readings immediately after the corrective action was implemented; and
- k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (3) 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 d)(3)a., for each calendar month to date from January to December).
- (4) 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>
Sand and Aggregate	daily
Transfer to Bins	

- (5) The above-mentioned inspections shall be performed during representative, normal 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;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in d)(7)d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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 in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this emissions unit:
 - a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the acceptable range;
 - b. any period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to the baghouse;
 - c. each incident of deviation described in e)(3)a. above where a prompt investigation was not conducted;

- d. each incident of deviation described in e)(3)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
 - e. each incident of deviation described in e)(3)a. where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.
- (4) The permittee shall additionally identify information in the annual PER in accordance with the monitoring requirements in d)(7) above:
- a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

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: 0.01 lb PE/hr

Applicable Compliance Method: The hourly emission limitation was developed by multiplying the maximum hourly cement unloading throughput (35 tons/hr) by the appropriate emission factor from AP-42 Chapter 11.12-2, (10/86 - reformatted 1/95) (0.27 lb PE/ton) and applying a 99.9% baghouse control efficiency. If required testing shall be performed in accordance with Methods 1-5 of 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation: 0.004 ton PE/yr

Applicable Compliance Method: The annual emission limitation was developed by multiplying the maximum yearly cement unloading throughput (29,000 tons/yr based on a maximum concrete production rate of 200,000 tons per year) by the appropriate emission factor from AP-42 Chapter 11.12-2 (10/86 - reformatted 01/95), (0.27 lbPE/ton), dividing by 2000 lbs/ton and applying a 99.9% baghouse control efficiency. Therefore, provided compliance is shown with the annual production restriction, compliance with the annual emission limitation shall also be demonstrated
 - c. Emission Limitation: Visible PE shall not exceed 20% opacity, as a six-minute average from the stack associated with this emission unit.

Applicable Compliance Method: If required, compliance with the emission limitation above shall be determined by visual emissions evaluations performed using the methods and procedures specified in Method 9 of 40 CFR, Part 60, Appendix A.

- d. Emission Limitation: 2.30 tons fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the annual fugitive emissions from aggregate and sand transfer, based on a maximum concrete production rate of 200,000 tons per year where:

Aggregate Transfer: The emissions were calculated by multiplying the maximum annual aggregate transfer (87,391 tons/yr) by the appropriate emission factor from AP-42 Chapter 11.12.2, (10/86-reformatted 1/95), (0.029 lb PE/ton) and dividing by 2000 lbs/ton (1.27 tons/yr).

Sand Transfer: The emissions were calculated by multiplying the maximum annual sand transfer (71,161 tons/yr) by the appropriate emission factor from AP-42 Chapter 11.12.2, (10/86-reformatted 1/95), (0.029 lb PE/ton) and dividing by 2000 lbs/ton (1.03 tons/yr).

Therefore, provided compliance is shown with the annual production restriction, compliance with the annual emission limitation shall also be demonstrated

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

Applicable Compliance Method: If required, compliance with the emission limitation above shall be determined by visual emissions evaluations performed using the methods and procedures specified in Method 9 of 40 CFR, Part 60, Appendix A.

- g) Miscellaneous Requirements

- (1) None.

4. P902, Weigh Hopper and Truck Loading/Mixing

Operations, Property and/or Equipment Description:

Weigh Hopper and Truck Loading/Mixing

- 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)	<p><u>Stack Emissions:</u> 0.01 lb particulate emissions (PE)/hr, 0.004 ton PE/yr</p> <p>Visible PE shall not exceed 20% opacity, as a 6-minute average from the stack associated with this emission unit</p> <p><u>Fugitive Emissions:</u> 1.0 ton fugitive PE/yr</p> <p>Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)e. and b)(2)f.]</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		See b)(2)d.
b.	OAC rule 3745-17-11(B)(1)	See b)(2)a.
c.	OAC rule 3745-17-11(B)(2)	See b)(2)b.
d.	OAC rule 3745-17-07(A)	See b)(2)a. and b)(2)b.
e.	OAC rule 3745-17-07(B)	See b)(2)c.
f.	OAC rule 3745-17-08(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. This emissions unit is a portable source and is subject to the requirements of OAC rules 3745-17-11(B)(1) and 3745-17-07(A) when located in a county specified in OAC rule 3745-17-11(B)(1). The emission limitations established by OAC rules 3745-17-11(B)(1) and 3745-17-07(A) are less stringent or equivalent to the requirements established pursuant to OAC rules 3745-17-11(B)(1) and 3745-17-07(A).

b. The uncontrolled mass rate of particulate emissions (PE) from this emissions unit is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply when the emissions unit is located in a county specified in OAC rule 3745-17-11(B)(2).

In accordance with OAC rule 3745-17-07(A)(1)(h), the visible particulate emission limitations specified in OAC rule 3745-17-07(A) are not applicable because OAC rule 3745-17-11 is not applicable to this emissions unit.

c. This emissions unit 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. The emission limitations and control requirements established by OAC rules 3745-17-07(B) and 3745-17-08(B) are less stringent or equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(11)(e).

d. "Best Available Technology" (BAT) control requirements for emissions unit P902 has been determined to be the following:

i. Use of a baghouse for weigh hopper loading of cement. The baghouse shall achieve a 99.9% removal efficiency (100% capture).

ii. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)e].

- e. The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

- i. Concrete Truck Loading/Mixing:

- use of charging boot

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

- 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).

- c) Operational Restrictions

- (1) The maximum concrete production for the concrete batch plant shall not exceed 200,000 tons per year.
 - (2) This facility shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form at least 30 days prior to any planned relocation of this source, in accordance with OAC rule 3745-31-03(A)(1)(p). Approval of the planned relocation must be obtained from NWDO prior to the relocation. The "Notice of Intent to Relocate a Portable or Mobile Source" shall include all associated emission units such as Roadways/Parking Areas and Storage Piles.

- d) Monitoring and/or Recordkeeping Requirements

- (1) In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable range established for the pressure drop across the baghouse is between 0.5 to 5 inches of water.
 - (2) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a weekly basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee.

- Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

- a. the date and time the deviation began;
 - b. the magnitude of the deviation at that time;

- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- f. a description of the corrective action;
- g. the date corrective action was completed;
- h. the date and time the deviation ended;
- i. the total period of time (in minutes) during which there was a deviation;
- j. the pressure drop readings immediately after the corrective action was implemented; and
- k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (3) 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 d)(3)a., for each calendar month to date from January to December).
- (4) 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>
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Concrete Truck Loading/Mixing	daily
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- (5) The above-mentioned inspections shall be performed during representative, normal 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;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in d)(7)d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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 in the annual permit evaluation report the following information concerning the operations of the baghouse during the 12-month reporting period for this/these emissions unit(s):
 - a. each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside of the acceptable range;
 - b. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the baghouse;

- c. each incident of deviation described in e)(3)a. above where a prompt investigation was not conducted;
 - d. each incident of deviation described in e)(3)a. where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range, was determined to be necessary and was not taken; and
 - e. each incident of deviation described in e)(3)a. where proper records were not maintained for the investigation and/or the corrective action(s), as identified in the monitoring and record keeping requirements of this permit.
- (4) The permittee shall additionally identify information in the annual PER in accordance with the monitoring requirements in d)(7) above:
- a. each day during which an inspection was not performed by the required frequency; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

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: 0.01 lb PE/hr

Applicable Compliance Method: The hourly emission limitation was developed by multiplying the maximum hourly Weigh Hopper Loading (28 tons/hr) by the appropriate emission factor from AP-42 Chapter 11.12-2, (10/86 - reformatted 1/95) (0.27 lb PE/ton) and applying a 99.9% baghouse control efficiency. If required testing shall be performed in accordance with Methods 1-5 of 40 CFR, Part 60, Appendix A.
 - b. Emission Limitation: 0.004 ton PE/yr

Applicable Compliance Method: The annual emission limitation was developed by multiplying the maximum yearly Weigh Hopper Loading (28,165 tons/yr based on a maximum concrete production rate of 200,000 tons per year) by the appropriate emission factor from AP-42 Chapter 11.12-2 (10/86 - reformatted 01/95), (0.27 lbPE/ton), dividing by 2000 lbs/ton and applying a 99.9% baghouse control efficiency. Therefore, provided compliance is shown with the annual production restriction, compliance with the annual emission limitation shall also be demonstrated



- c. Emission Limitation: Visible PE shall not exceed 20% opacity, as a six-minute average

Applicable Compliance Method: If required, compliance with the emission limitation above shall be determined by visual emissions evaluations performed using the methods and procedures specified in Method 9 of 40 CFR, Part 60, Appendix A.

- d. Emission Limitation: 1.0 ton fugitive PE/yr

Applicable Compliance Method: The annual emission limitation was developed by multiplying the maximum concrete production rate of 200,000 tons per year by the appropriate emission factor from AP-42 Chapter 11.12-2 (10/86-reformatted 1/95), (0.02 lb PE/ton), dividing by 2000 lbs/ton, and applying a 50% control efficiency for use of a charging boot. Therefore, provided compliance is shown with the annual production restriction, compliance with the annual emission limitation shall also be demonstrated.

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

Applicable Compliance Method: If required, compliance with the emission limitation above shall be determined by visual emissions evaluations performed using the methods and procedures specified in Method 9 of 40 CFR, Part 60, Appendix A.

- g) Miscellaneous Requirements

- (1) None.