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

1/29/2014

Certified Mail

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

RODNEY HENSEL
HENSEL READY MIXED CONCRETE BATCH PLANT
9925 COUNTY ROAD 265
KENTON, OH 43326

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0159000152
Permit Number: P0083804
Permit Type: Renewal
County: Morrow

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, Central District Office at (614)728-3778or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA-CDO

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
HENSEL READY MIXED CONCRETE BATCH PLANT

Facility ID:	0159000152
Permit Number:	P0083804
Permit Type:	Renewal
Issued:	1/29/2014
Effective:	1/29/2014
Expiration:	1/29/2024

Division of Air Pollution Control
Permit-to-Install and Operate
for
HENSEL READY MIXED CONCRETE BATCH PLANT

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Authorization

Facility ID:	0159000152
Application Number(s):	A0014215
Permit Number:	P0083804
Permit Description:	Renewal PTIO Permit for Ready Mix Truck Concrete Batch Plant, Roadways, Storage Piles.
Permit Type:	Renewal
Permit Fee:	$0.00
Issue Date:	1/29/2014
Effective Date:	1/29/2014
Expiration Date:	1/29/2024

Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

HENSEL READY MIXED CONCRETE BATCH PLANT
4050 TOWNSHIP ROAD 256
MARENGO, OH 43334

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, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

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
Interim Director

Authorization (continued)

Permit Number: P0083804
Permit Description: Renewal PTIO Permit for Ready Mix Truck Concrete Batch Plant, Roadways, 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:	Storage Piles
Superseded Permit Number:	01-08743
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F002**
Company Equipment ID:	Plant Roadways
Superseded Permit Number:	01-08743
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P001**
Company Equipment ID:	Portable Ready-Mix Concrete Plant
Superseded Permit Number:	01-08743
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

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

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

7. What reports must I submit under this permit?

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

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

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions 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 beingpermanently shut down without first applying for and obtaining a permit pursuantto OAC Chapter 3745-31.

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

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

      (1) None.

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

      (1) None.

C. Emissions Unit Terms and Conditions

1. F001, Storage Piles

Operations, Property and/or Equipment Description:

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) (PTI 01-08743)	Sand and aggregate storage piles, load-in and load-out of storage piles, wind erosion from storage piles: Particulate emissions (PE) shall not exceed1.8 tons per year (TPY). No visible PE except for one minute during any 60-minute period. Best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See b)(2)a. through b)(2)e.)
b.	OAC rule 37745-17-07(B) and OAC rule 3745-17-08(A)	See b)(2)g. below.

(2) Additional Terms and Conditions

a. 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 maintain minimal drop heights for stackers and front-loaders, and chemical stabilization/dust suppressants and/or watering/sprinkling systems at sufficient treatment frequencies to ensure compliance.

b. The operator shall 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.

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 application, the permittee has committed to perform one or more of the following: (chemical stabilization, watering/sprinkling systems/hoses, covering the storage piles) 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. Morrow County is not included in "Appendix A" or OAC rule 3745-17-08. Therefore, the requirements established in OAC rules 3745-17-08(A) and 3745-17-07(B) shall not apply to any fugitive dust source which is located in Morrow county. "Fugitive dust source" is defined in OAC rule 3745-17-01(B)(7).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-in inspection frequency
all	weekly

(2) Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-out inspection frequency
all	weekly

(3) Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification	minimum wind erosion inspection frequency
all	weekly

(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 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)(6)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 permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA Central District Office 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.

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. <u>Emissions Limitations:</u>

PE shall not exceed 1.8 TPY.

<u>Applicable Compliance Method:</u>

Compliance shall be determined by using the equation found in AP-42, Section 13.2.4, (10/02), and through the calculations performed as part of the PTI application submitted on April 21, 2003.

b. <u>Emission Limitation:</u>

There shall be no visible PE except for a period of time not to exceed one minute in any 60-minute observation period.

<u>Applicable Compliance Method:</u>

Compliance with the visible PE limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in Appendix on Test Methods in 40 CFR, Part 60 (Standards of Performance for New Stationary Sources), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None.

2. F002, Plant Roadways

Operations, Property and/or Equipment Description:

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.

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) (PTI 01-08743)	Fugitive PE shall not exceed 2.1 TPY. <u>Paved Roadways</u>: No visible PE except for 1 minute during any 60-minute period <u>Unpaved Roadways</u>: No visible PE except for 3 minutes during any 60-minute period Best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust See b)(2)a. through b)(2)i
b.	OAC rule 37745-17-07(B) and OAC rule 3745-17-08(A)	See b)(2)i. below.

(2) Additional Terms and Conditions

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

b. The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are all unpaved roadways and unpaved parking areas.

c. The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the paved roadways and parking areas by 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 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.

e. 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.

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.

i. Morrow County is not included in "Appendix A" or OAC rule 3745-17-08. Therefore, the requirements established in OAC rules 3745-17-08(A) and 3745-17-07(B) shall not apply to any fugitive dust source which is located in Morrow county. "Fugitive dust source" is defined in OAC rule 3745-17- 01(B)(7).

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:

Paved and unpaved roadways and parking areas	minimum inspection frequency
all roads and parking areas	weekly

(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 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.

e. The information required in d)(3)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

(1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA Central District Office 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.

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 Limitations:

PE shall not exceed 2.1 TPY.

Applicable Compliance Method:

Compliance shall be established by summing the paved emissions, (determined by using the equation found in AP-42, Section 13.2.1, (10/02)), and the unpaved emissions, (determined by using the equation found in Ohio RACM, 2-10, (03/01)) as demonstrated through the calculations performed as part of the PTI application submitted on April 21, 2003.

b. Emission Limitation:

No visible PE except for 1 minute during any 60 minute period; and No visible PE except for 3 minutes during any 60-minute period.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 (Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

(1) None.

3. P001, Portable Ready-Mix Concrete Plant

Operations, Property and/or Equipment Description:

truck mix concrete batch plant

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 01-08743)	Combined PE shall not exceed 4.25 lbs/hr and 1.8 TPY from the operations and equipment which constitute this emissions unit. Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average. At all times during the transfer of sand and aggregate, the drop height of the front-end bucket shall be minimized to the extent possible to minimize or eliminate visible emissions of fugitive dust. Sand and aggregate loaded into the elevated bins shall, at all times, have an

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		inherent moisture content sufficient to minimize or eliminate visible emissions of fugitive dust. The silos shall be adequately enclosed and vented to the fabric filter: the enclosure shall be sufficient to eliminate visible emissions of fugitive dust at the point of capture. The fabric filter shall achieve an outlet emission rate of not greater than 0.030 grain of particulate per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the outlet, whichever is less stringent. The weight hopper shall be adequately enclosed and vented to a fabric filter. The fabric filter shall achieve and outlet emission rate of greater than 0.030 grain of particulate per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the outlet, whichever is less stringent. A charging boot, watering ring, or dust collection and control system shall be used around the hopper discharge area and the transit-mix truck opening and the collection efficiency shall be sufficient to minimize or eliminate visible emissions at the point of capture to the extent possible with good engineering design.
b.	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)	See b)(2)b.
c.	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	See b)(2)c.

(2) Additional Terms and Conditions

a. The 4.25 lbs PE/hr emission limitation is based on the emission unit's potential to emit vented through the above referenced control equipment. Therefore, only the

monitoring, record keeping or reporting requirements of the control equipment are necessary to ensure compliance with this emission limitation.

b. For facilities in Appendix A areas as defined in OAC rule 3745-17-08(D), the requirements established pursuant to OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

c. The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

d. The permittee shall employ the following best available control measures for the above-identified cement and cement supplement silos for the purpose of ensuring compliance with the above-mentioned applicable requirements:

Material Handling Operation	Control Measures
Transfer of Sand and Aggregate	Wet Suppression and front end loader use
Silo's	Fabric Filter
Weight Hopper Loading	Fabric Filter
Truck Loading	Charging Boot, Water Ring or Fabric Filter

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

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 3745-31-05(A)(3).

c) Operational Restrictions

(1) The maximum annual production rate for this truck mix concrete facility shall not exceed 100,000 cubic yards of concrete (200,000 tons) per year.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain annual records of the cubic yards or tons of concrete produced at this facility.

(2) The permittee shall perform daily checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions for each material handling operation (each fabric filter stack, each sand and/or aggregate transfer point, truck loading) serving this emissions unit. No inspections are required on days the material handling operations are not in operation. The presence or absence of any visible particulate emissions shall be recorded electronically or in an operations log. If visible particulate emissions are observed, the permittee shall also note the following in the operations log:

a. Whether the emissions are representative of normal operations;

b. If the emissions are not representative of normal operations, the cause of the visible emissions;

c. The total duration of any visible emission incident; and

d. Any corrective actions taken to eliminate the visible emissions.

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

e) Reporting Requirements

(1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA Central District Office by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

(2) The permittee shall submit annual reports indicating the total cubic yards or total tons of concrete produced. The reports shall be submitted annually along with the PER, shall cover the previous calendar year, and shall be submitted to the Ohio EPA, Central District Office.

f) Testing Requirements

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

a. <u>Emission Limitation</u>:

Each fabric filter shall achieve an outlet emission rate of not greater than 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases.

<u>Applicable Compliance Method</u>:

If required, the permittee shall demonstrate compliance by emission testing in accordance with the procedures specified in 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

b. <u>Emission Limitation:</u>

Combined particulate emissions shall not exceed 4.25 lbs /hr from the operations and equipment which constitute this emissions unit.

<u>Applicable Compliance Method</u>:
Compliance may be established by summing the emissions from aggregate and sand transfer, weigh hopper loading, cement and cement supplement unloading to elevated silo, and truck loading as demonstrated through the calculations performed as part of the PTI application submitted on April 21, 2003.

Emission factors and calculations are based on a mix design consisting of 44% aggregate, 36% sand, 7% cement, 7% cement supplement (slag/fly ash) and 6% water.

Aggregate & Sand Transfer Emission Calculations:

Aggregate feed hopper loading = 105.6 ton/hr max transfer rate
Aggregate feed hopper to conveyor = 105.6 tons/yr max transfer rate
Aggregate conveyor to bin = 105.6 tons/yr max transfer rate
Sand feed hopper loading = 86.4 tons/yr max transfer rate
Sand feed hopper to conveyor = 86.4 tons/yr max transfer rate
Sand conveyor to bin = 86.4 tons/yr max transfer rate

105.6 tons/hr x 0.0069 lb/ton = 0.7286 lb PE/hr
105.6 tons/hr x 0.0069 lb/ton = 0.7286 lb PE/hr
105.6 tons/hr x 0.0069 lb/ton = 0.7286 lb PE/hr
86.4 tons/hr x 0.0021 lb/ton = 0.1814 lb PE/hr
86.4 tons/hr x 0.0021 lb/ton = 0.1814 lb PE/hr
86.4 tons/hr x 0.0021 lb/ton = 0.1814 lb PE/hr

Aggregate emission factor = 0.0069 lb PE/ton (AP-42, 11.12, 10/01)
Sand emission factor = 0.0021 lb PE/ton (AP-42, 11.12, 10/01)

Aggregate & Sand Transfer Total= 2.73lbs PE/hr

Weigh Hopper Loading Emission Calculations:

Bins to weigh hopper = 192 tons/hr max transfer rate
Emission factor = 0.0051 lb PE/ton (AP-42, 11.12, 10/01)

192 tons/hr x 0.0051 lb/ton = 0.9792 lbs PE/hr

Weigh hopper loading total = 0.9792 lbs PE/hr

Cement & Cement Supplement Unloading Emission Calculations:

Truck to cement silo = 16.8 tons/hr max transfer rate
Truck to cement sup silo = 14,000 tons/yr max transfer rate of Cement, Fly Ash,
Cement emission factor = 0.72 lb PE/ton (AP-42, 11.12, 10/01)
Supplement emission factor = 3.14 lb PE/ton (AP-42, 11.12, 10/01)
Filter Control Efficiency = 99.8%

16.8 tons/hr x 0.72 lb/ton x (1-0.998) = 0.0242 lb PE/hr
16.8 tons/hr x 3.14 lb/ton x (1-0.998) = 0.1055 lb PE/hr

Cement & cement supplement unloading total = 0.1297lb PE/hr

Truck Loading Emission Calculations:

Weigh hopper to truck = 33.6 tons/hr max transfer rate
Emission factor = 0.61 lb PE/ton (AP-42, 11.12, 10/01)
Filter/boot control efficiency = 99.8% (AP-42, 11.12, 10/01)

33.6 tons/hr x 0.61 lb/ton x (1- 0.98) = 0.4099 lbs PE/hr

Truck loading total = 0.4099 lb PE/hr

Total Emissions:
Aggregate and Sand Transfer 2.7300
Cement Supplement Unloading 0.1297
Weigh Hopper Loading 0.9792
Truck Loading 0.4099
4.25 lbs PE/hr

c. Emission Limitation:

Combined particulate emissions shall not exceed 1.8 tons per year from the operations and equipment which constitute this emissions unit.

Applicable Compliance Method:
Compliance may be established by summing the emissions from the aggregate and sand transfer, weigh hopper loading, cement and cement supplement unloading to elevated silo, and truck unloading as demonstrated through the calculations performed as part of the PTI application submitted on April 21, 2003.

Emission factors and calculations are based on a mix design consisting of 44% aggregate, 36% sand, 7% cement, 7% cement supplement (slag/fly ash) and 6% water.

Aggregate & Sand Transfer Emission Calculations:

Aggregate feed hopper loading = 88,000 tons/yr max transfer rate
Aggregate feed hopper to conveyor = 88,000 tons/yr max transfer rate
Aggregate conveyor to bin = 88,000 tons/yr max transfer rate
Sand feed hopper loading = 72,000 tons/yr max transfer rate Sand feed hopper to conveyor = 72,000 tons/yr max transfer rate
Sand conveyor to bin = 72,000 tons/yr max transfer rate

Aggregate emission factor =0.0069 lb PE/ton (AP-42, 11.12, 10/01)
Sand emission factor = 0.0021 lb PE/ton (AP-42, 11.12, 10/01)

88,000 tons/yr x 0.0069 lb/ton x ton/2000 lbs = 0.3036 ton PE/yr
88,000 tons/yr x 0.0069 lb/ton x ton/2000 lbs = 0.3036 ton PE/yr
88,000 tons/yr x 0.0069 lb/ton x ton/2000 lbs = 0.3036 ton PE/yr
72,000 tons/yr x 0.0021 lb/ton x ton/2000 lbs = 0.0756 ton PE/yr

72,000 tons/yr x 0.0021 lb/ton x ton/2000 lbs = 0.0756 ton PE/yr
72,000 tons/yr x 0.0021 lb/ton x ton/2000 lbs = 0.0756 ton PE/yr

Aggregate & Sand Transfer Total= 2.73lbs PE/hr

Weigh Hopper Loading Emission Calculations:

Bins to weigh hopper = 160,000 tons/yr max transfer rate
Emission factor = 0.0051 lb PE/ton (AP-42, 11.12, 10/01)

160,000 tons/hr x 0.0051 lb/ton x ton/2000 lbs = 0.4080 ton PE/yr

Weigh hopper loading total = 0.4080 lbs PE/yr

Cement & Cement Supplement Unloading Emission Calculations:

Truck to cement silo = 14,000 tons/yr max transfer rate
Truck to cement sup silo = 14,000 tons/yr max transfer rate of

Cement, Fly Ash, Cement emission factor = 0.72 lb PE/ton (AP-42, 11.12, 10/01)
Supplement emission factor = 3.14 lb PE/ton (AP-42, 11.12, 10/01)
Filter Control Efficiency = 99.8%

14,000 tons/yr x 0.72 lb/ton x (1-0.998) x ton/2000 lbs = 0.0101 lb PE/yr
14,000 tons/yr x 3.14 lb/ton x (1-0.998) x ton/2000 lbs = 0.0440 lb PE/yr

Cement & cement supplement unloading total = 0.0541lb PE/yr

Truck Loading Emission Calculations:

Weigh hopper to truck = 28,000 tons/yr max transfer rate

Emission factor = 0.61 lb PE/ton (AP-42, 11.12, 10/01)
Filter/boot control efficiency = 99.8% (AP-42, 11.12, 10/01)

28,000 tons/yr x 0.61 lb/ton x (1- 0.98) x ton/2000lbs = 0.1708 ton PE/yr

Truck loading total = 0.1708 ton PE/yr

Total Emissions:

Aggregate and Sand Transfer	1.1376
Cement Supplement Unloading	0.4080
Weigh Hopper Loading	0.0541
Truck Loading	0.1708
	1.7705 tons PE/yr

d. Emission Limitation:

Visible emissions of fugitive dust shall not exceed 20 percent opacity, as a 3-minute average.

Applicable Compliance Method:

If required, compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 9 set forth in Appendix on Test methods in 40 CFR, Part 60 (Standards of Performance for New Stationary Sources), as such appendix existed on July 1, 1997.

e. Emission Limitation:

There shall be no visible particulate emissions from the fabric filters serving this emissions unit.

Applicable Compliance Method:

If required, compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 22 set forth in "Appendix on Test methods" in 40 CFR, Part 60 (Standards of Performance for New Stationary Sources), as such appendix existed on July 1, 1997.

g) Miscellaneous Requirements

(1) The permittee may replace equipment, add additional equipment, or alter existing equipment as long as the change is consistent with applicable Ohio EPA guidance document(s) and does not meet the definition of "modification" or "new source" as defined in OAC rule 3745-31-01(B).

(2) For permittees who qualify as a portable source as defined in OAC rule 3745-31-01, the permittee is subject to the following terms and conditions:

Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of a portable source may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing certain criteria are met. The portable source shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:

a. The following determinations have been documented, pursuant to OAC rule 3745-31-03(A)(1)(p)(i):

i. the portable source is equipped with the best available technology for such portable source;

ii. the portable source is operating pursuant to a currently effective permit to operate (PTO) or registration status;

iii. the applicant has provided proper notice of intent to relocate the portable source to the permitting Ohio EPA District Office or local air agency, and the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and

iv. in permitting Ohio EPA District Office or local air agency, and the appropriate field office's (having jurisdiction over the new site) judgment, the proposed site is acceptable under OAC rule 3745-15-07.

b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable source may relocate within the State of Ohio without first obtaining a PTI, providing the following criteria of OAC rule 3745-31-05(E) are met:

i. the portable source permittee possesses an Ohio EPA PTI, PTO or registration status;

ii. the portable source is equipped with best available technology;

iii. the portable source owner has identified the proposed site to Ohio EPA;

iv. Ohio EPA has determined that the portable source, at the proposed site, will have an acceptable environmental impact;

v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;

vi. the owner of the proposed site has provided the portable source owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable source to this proposed site; and

vii. the portable source owner has provided Ohio EPA with 15 days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal.

In order for the permitting Ohio EPA District Office or local air agency, and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee of the portable source must file a " Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the source with permitting Ohio EPA District Office or local air agency, and the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, permitting Ohio EPA District Office or local air agency, and appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the source may result in fines and civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.