



State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, OH 43216-1049

8/21/2008

DAVID BOWERS
BOWERS ASPHALT & PAVING, INC
6157 WALBRIDGE RD
WALBRIDGE, OH 45465

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0387040084
Permit Number: 03-16316
Permit Type: Initial Installation
County: Wood

Certified Mail

No	TOXIC REVIEW
No	PSD
Yes	SYNTHETIC MINOR
No	CEMS
No	MACT
Yes	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate ("PTIO") which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully.

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

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

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

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

Sincerely,

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

Cc: Ohio EPA-NWDO

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
BOWERS ASPHALT & PAVING, INC**

Facility ID: 0387040084
Permit Number: 03-16316
Permit Type: Initial Installation
Issued: 8/21/2008
Effective: 8/21/2008
Expiration: 8/21/2013



Air Pollution Permit-to-Install and Operate
for
BOWERS ASPHALT & PAVING, INC

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State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: 03-16316
Facility ID: 0387040084
Effective Date: 8/21/2008

Authorization

Facility ID: 0387040084
Application Number(s): A0005195
Permit Number: 03-16316
Permit Description: Asphalt plant w/ baghouse, roadways, stockpiles and diesel generator.
Permit Type: Initial Installation
Permit Fee: \$3,000.00
Issue Date: 8/21/2008
Effective Date: 8/21/2008
Expiration Date: 8/21/2013
Permit Evaluation Report (PER) Annual Date: Nov 15, for Oct 1 - Sept 30
This document constitutes issuance to:

BOWERS ASPHALT & PAVING, INC
6157 WALBRIDGE RD
WALBRIDGE, OH 43465

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

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

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director



Authorization (continued)

Permit Number: 03-16316

Permit Description: Asphalt plant w/ baghouse, roadways, stockpiles and diesel generator.

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

Emissions Unit ID:

Company Equipment ID:
Superseded Permit Number:
General Permit Category and Type:

F001

paved and unpaved roadways and parking areas.
Not Applicable

Emissions Unit ID:

Company Equipment ID:
Superseded Permit Number:
General Permit Category and Type:

F002

plant aggregate storage piles.
Not Applicable

Emissions Unit ID:

Company Equipment ID:
Superseded Permit Number:
General Permit Category and Type:

P001

810 HP diesel fired generator.
Not Applicable

Emissions Unit ID:

Company Equipment ID:
Superseded Permit Number:
General Permit Category and Type:

P901

160 ton per hour batch-mix asphalt plant with baghouse
Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: 03-16316
Facility ID: 0387040084
Effective Date: 8/21/2008

A. Standard Terms and Conditions



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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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



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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: 03-16316
Facility ID: 0387040084
Effective Date: 8/21/2008

B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: 03-16316

Facility ID: 0387040084

Effective Date: 8/21/2008

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate
Permit Number: 03-16316
Facility ID: 0387040084
Effective Date: 8/21/2008

C. Emissions Unit Terms and Conditions



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

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	0.22 tons fugitive particulate emissions (PE). No visible PE except for one minute during any sixty minute period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)c. b)(2)d. and b)(2)e through b)(2)i.]
b.	OAC rule 3745-17-07(B)	See b)(2)k. and b)(2)j.
c.	OAC rule 3745-17-08(B)	No visible PE except for three minutes during any sixty minute period. See b)(2)k.



(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 listed below:

paved roadways:

all paved roadways

paved parking areas:

all paved parking areas

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

unpaved roadways:

all unpaved roadways

unpaved parking areas:

all 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. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by sweeping and flushing with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water, chemical stabilization and surface improvements 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 a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above mentioned applicable requirements. Implementation of any control measures may be suspended if unsafe or hazardous driving conditions would be created by its use.
- f. 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 with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the



application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways or parking areas.

- g. 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.
- h. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all time if the control measures is necessary for the materials being transported.
- i. 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).
- j. This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- k. This facility is not located within an "Appendix A" areas as identified in OAC rule 3745-17-08 (Putnam County). Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all	once during each day of operation

<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all	once during each day of operation

- (2) The purpose of this inspections is to determine the need from 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 mention applicable requirements. Any required inspection that is not performed due to any of the above mentioned 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 kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

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

f) Testing Requirements

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

- a. Emission Limitation:
0.22 tons fugitive PE from paved and unpaved roadways and parking areas

Applicable Compliance Method:

This emission limitation was developed by multiplying emission factors from AP-42, Chapter 13.2.1 (12/03) [paved] and Chapter 13.2.2 (12/03) [unpaved], the maximum vehicles miles traveled, 95% control efficiency and dividing by 2000 lbs/ton:

- i. road (paved): $(0.84 \text{ lb PE/VMT})(3,700 \text{ VMT})(\text{ton}/2000 \text{ lbs})(1-0.95) = 0.08$



ii. road (unpaved): $(2.03 \text{ lb PE/VMT})(2,700 \text{ VMT})(\text{ton}/2000 \text{ lbs})(1-0.95) = 0.14$

- b. Emission Limitation:
No visible PE except for one-minute during any sixty-minute period from paved roadways and parking areas

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

- c. Emission Limitation:
No visible PE except for three-minute during any sixty-minute period from unpaved roadways and parking areas

Applicable Compliance Method:
Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR , Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 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 aggregate storage piles.

Operations, Property and/or Equipment Description:

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	0.34 ton fugitive particulate emissions (PE)/yr No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [see b)(2)b., b)(2)c. and b)(2)f.]
b.	OAC rule 3745-17-07(B)	See b)(2)g.
c.	OAC rule 3745-17-08(B)	See b)(2)h.



(2) Additional Terms and Conditions

- a. The storage piles that are covered by this permit and subject to the above mentioned requirements are listed below:

limestone aggregate piles

- b. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to:

- i. treat the load-in materials with water and maintain low drop height from conveyors;
- ii. treat load-out materials with water and maintain low drop height from front-end loader.

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

- c. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- d. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat each storage pile with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 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 rules 3745-17-08 and 3745-31-05.



- g. This emissions unit is exempt from the visible PE limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- h. This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08 (Putnam County). Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

c) Operational Restrictions

- (1) 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 during each 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 during each 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 during each day of operation

- (4) No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

- (5) The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

- (6) The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.



- (7) The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in b)(7)d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

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

f) Testing Requirements

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

- a. Emission Limitation:
0.34 TPY fugitive PE

Applicable Compliance Method:

Compliance shall be demonstrated by calculations using AP-42 emission factors for load in/load out, section 13.2-4 (revised 1/95) and section 11.12-2 (revised 1/95) for wind erosion and a maximum throughput for storage piles of 216,000 tons/yr and maximum storage pile area of 11.5 acres.

- b. Emission Limitation:
No visible emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.



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Applicable Compliance Method:

Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 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.



3. P001, 810 HP diesel fired generator.

Operations, Property and/or Equipment Description:

810 HP diesel fired generator.

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	10.59 lbs nitrogen oxides (NOx)/hour 2.81 lbs carbon monoxide (CO)/hour & 2.20 tons CO/year 0.30 lbs volatile organic compounds (VOC)/hour, & 0.23 ton VOC/year 0.03 lbs sulfur dioxide (SO2)/hour & 0.03 tons SO2/yr 0.30 tons particulate emissions (PE)/year Visible PE shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown See c)(1).
b.	OAC rule 3745-31-05(D)	8.29 tons NOx per rolling 12-month period [see b)(2)e.]



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-07(A)	See b)(2)b.
d.	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mmBtu
e.	OAC rule 3745-18-06(G)	See b)(2)c.
f.	OAC rule 3745-23-06(B)	See b)(2)d.
g.	OAC rule 3745-21-08(B)	See b)(2)d.
h.	OAC rule 3745-21-07(B)	See b)(2)d.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C) and OAC rule 3745-17-11(B)(5)(b).
- b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- c. This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).
- d. The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) and OAC rule 3745-21-07(B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- e. This permit establishes a federally enforceable emission limitation of 8.29 tons NOx per rolling, 12-month period for purposes of avoiding Title V applicability. The federally enforceable emission limitation is based on fuel usage restrictions specified in c)(1) and c)(2).
- f. The requirements of this rule also includes compliance with the requirements of OAC rule 3745-31-05(D) and OAC rule 3745-17-11(B)(5)(b).

c) Operational Restrictions

- (1) The permittee shall combust only distillate fuel oil in this emissions unit.

The oil combusted in this emissions unit shall only be distillate oil (fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89,



90, 92, 96, or 98, "Standard Specification for Fuel Oils"). The sulfur content of the distillate oil shall contain no more than 0.5 weight percent sulfur.

- (2) The maximum annual fuel usage for emissions unit P001 shall not exceed 36,000 gallons per year, based upon a rolling, 12-month summation of the gallon usage.

To ensure enforceability during the first 12 calendar months of operation under the provisions of this permit, the permittee shall not exceed the fuel usage levels specified in the following table:

Months	Maximum Allowable Cumulative Fuel Usage (in tons)
1	7,200
1-2	14,400
1-3	21,600
1-4	28,800
1-5	36,000
1-6	36,000
1-7	36,000
1-8	36,000
1-9	36,000
1-10	36,000
1-11	36,000
1-12	36,000

After the first 12 calendar months of operation under the provisions of this permit, compliance with the annual fuel usage restriction shall be based upon a rolling, 12-month summation of the monthly usage rates.

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than distillate oil the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.



- (2) The permittee shall use records of fuel supplier certification to demonstrate compliance with the operational restriction in c)(1). Records of fuel supplier certification shall include the following information:
 - a. the name of the oil supplier; and
 - b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in c)(1) above.
- (3) The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. fuel usage each month, in gallons;
 - b. during the first 12 calendar months of operation, the cumulative fuel usage, in gallons;
 - c. beginning the first month after the first 12 calendar months of operation, the rolling, 12-month summation of the fuel usage, in gallons;

e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify:
 - a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the Potential to Emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

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



f) Testing Requirements

(1) Compliance with the emission limitations in the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

10.59 lbs NO_x/hr and 8.29 tons NO_x per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying an emission factor of 3.20 lb NO_x/mmBtu derived from AP-42, Table 3.4-1 (revised 10/96) and a maximum heat input of 3.31 mmBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 7 of 40 CFR Part 60, Appendix A.

The annual emission limitation was established by multiplying the emission limitation of 3.20 lb CO/mmBtu, a heat content of 0.144 mmBtu/gal, a maximum annual gallon usage of 50,000 gallons and dividing by 2000 lbs/ton. Therefore provided compliance is shown with the 36,000 gallons of fuel usage per rolling 12-month period operational restriction, compliance with the annual limitation will be assumed

b. Emission Limitation:

2.81 lbs CO/hr and 2.20 tons CO/yr

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying an emission factor of 0.85 lb CO/mmBtu derived from AP-42, Table 3.4-1 (revised 10/96) and a maximum heat input of 3.31 mmBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 10 of 40 CFR Part 60, Appendix A.

The annual emission limitation was established by multiplying the emission limitation of 0.85 lb CO/mmBtu, a heat content of 0.144 mmBtu/gal, a maximum annual gallon usage of 36,000 gallons and dividing by 2000 lbs/ton. Therefore provided compliance is shown with the 36,000 gallons of fuel usage per rolling 12-month period operational restriction, compliance with the annual limitation will be assumed.

c. Emission Limitation:

0.30 lbs VOC/hour and 0.23 ton VOC/year

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying an emission factor of 0.09 lb VOC/mmBtu derived from AP-42, Table 3.4-1 (revised 10/96) and a maximum heat input of 3.31 mmBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 18, 25 or 25A of 40 CFR Part 60, Appendix A.



The annual emission limitation was established by multiplying the emission limitation of 0.09 lb VOC/mmBtu, a heat content of 0.144 mmBtu/gal, a maximum annual gallon usage of 36,000 gallons and dividing by 2000 lbs/ton. Therefore provided compliance is shown with the 36,000 gallons of fuel usage per rolling 12-month period operational restriction, compliance with the annual limitation will be assumed.

- d. Emission Limitation:
0.062 lb PE/mmBtu and 0.30 ton PE/yr

Applicable Compliance Method:

The lbs PE/mmBtu emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit was determined using AP-42, Chapter 3.4, Table 3.4-1 (revised 10/96).

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 5 of 40 CFR Part 60, Appendix A.

The annual emission limitation was established by multiplying the emission limitation of 0.062 lb PE/mmBtu, a heat content of 0.144 mmBtu/gal, a maximum annual gallon usage of 36,000 gallons and dividing by 2000 lbs/ton. Therefore provided compliance is shown with the 36,000 gallons of fuel usage per rolling 12-month period operational restriction, compliance with the annual limitation will be assumed.

- e. Emission Limitation:
0.03 lb SO₂/hr and 0.03 ton SO₂/yr

Applicable Compliance Method:

Compliance with the hourly emission limitation shall be determined by multiplying an emission factor of 0.01 lb SO₂/mmBtu derived from AP-42, Table 3.4-1 (revised 10/96) and a maximum heat input of 3.31 mmBtu/hr. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 - 4, and 6 of 40 CFR Part 60, Appendix A.

The annual emission limitation was established by multiplying the emission limitation of 0.01 lb SO₂/mmBtu, a heat content of 0.144 mmBtu/gal, a maximum annual gallon usage of 36,000 gallons and dividing by 2000 lbs/ton. Therefore provided compliance is shown with the 36,000 gallons of fuel usage per rolling 12-month period operational restriction, compliance with the annual limitation will be assumed.

- f. Emission Limitation:

Visible PE shall not exceed 10% opacity as a 6-minute average, except during start-up and shutdown.



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Applicable Compliance Method:

If required, the permittee shall demonstrate compliance in accordance with Method 9 of 40 CFR Part 60, Appendix A.

- g) Miscellaneous Requirements
 - (1) None.



4. P901, 160 ton per hour batch-mix asphalt plant with baghouse

Operations, Property and/or Equipment Description:

modification to 160 TPH batch-mix asphalt plant with baghouse.

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

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

a. None.

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

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	6.72 pounds particulate emissions (PE) per hour; with #2 fuel oil and natural gas. 16.00 pounds sulfur dioxide (SO ₂) per hour; with #2 fuel oil. 0.74 pounds sulfur dioxide (SO ₂) per hour; when burning natural gas. 19.20 pounds nitrogen oxide (NO _x) per hour; with #2 fuel oil. 4.00 pounds nitrogen oxide (NO _x) per hour; when burning natural gas. 64.00 pounds carbon monoxide (CO) per hour; with #2 fuel oil and natural gas. 24.00 pounds volatile organic compounds



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-31-05(A)(3) continued	<p>(VOC) per hour with #2 fuel oil and natural gas. Particulate Emissions (PE) from burning any approved fuel shall not exceed 0.04 gr/dscf.</p> <p>Asphalt Load Out Emissions</p> <p>Emissions from load out operations shall not exceed 0.12 ton CO per year, 0.05 tons PE per year, and 0.38 tons of OC per year.</p> <p>Cold End Fugitive Dust Emissions</p> <p>Emissions of fugitive dust associated with the weigh hopper loading, aggregate transfer operations and sand transfer operations shall not exceed 1.27 tons of PE per year.</p> <p>See b)(2)c. through b)(2)j.</p>
b.	OAC rule 3745-31-05(D)	<p>3.80 tons PE (stack) per rolling 12-month period</p> <p>9.00 tons SO₂ per rolling 12-month period</p> <p>10.80 tons NO_x per rolling 12-month period</p> <p>36.00 tons CO per rolling 12-month period</p> <p>13.50 tons VOC per rolling 12-month period</p> <p>Asphalt Silo Filling Emissions</p> <p>Emissions from silo filling operations shall not exceed 0.11 tons CO per rolling 12-month period, 0.32 tons PE per rolling 12-month period and 1.10 tons OC per rolling 12-month period.</p> <p>See b)(2)a.</p>
c.	OAC rule 3745-17-11(B)(1) OAC rule 3745-17-07(B)	The emissions limitations specified by these rules are less stringent than the



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	OAC rule 3745-17-08 OAC rule 3745-18-06(E)	emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

- a. This permit establishes the following federally enforceable emission limitation for purposes of avoiding Title V applicability:
 - i. For baghouse stack emissions:
 - (a) 3.80 tons PE (baghouse stack) per rolling 12-month period;
 - (b) 9.00 tons SO₂ (baghouse stack) per rolling 12-month period;
 - (c) 10.80 tons NO_x (baghouse stack) per rolling 12-month period;
 - (d) 36.00 tons CO (baghouse stack) per rolling 12-month period;
 - (e) 13.50 tons VOC (baghouse stack) per rolling 12-month period;
 - ii. For Asphalt Silo Filling emissions:
 - (a) 0.11 ton CO per rolling 12-month period;
 - (b) 0.32 ton PE per rolling 12-month period;
 - (c) 1.10 ton VOC per rolling 12-month period;

The federally enforceable emission limitations are based an asphalt production restriction [see c)(2)].

- b. The permittee shall ensure that the baghouse is operated with sufficient air volume to eliminate visible fugitive emissions from the rotary drum.
- c. All number 2 oil burned in this emission unit shall have a sulfur content equal to or less than 0.5%, by weight.
- d. Visible particulate emissions from the stack shall not exceed 20% opacity, as a 6-minute average.
- e. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see section A.2.a).
- f. No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.
- g. Visible emissions of fugitive dust (from areas other than the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper) shall be less than or equal to 10% opacity, as a 3-minute average.



- h. The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the aggregate storage bins.
- i. The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize the visible emissions of fugitive dust from conveyors and all transfer points to the dryer.
- j. The requirements of this rule also includes compliance with the requirements of OAC rule 3745-31-05(D) and 40 CFR Part 60, Subpart I.

c) Operational Restrictions

- (1) The pressure drop across the fabric filter shall be maintained within the range of 2 to 6 inches of water while the emissions unit is in operation.
- (2) The maximum annual asphalt production rate for this emissions unit shall not exceed 180,000 tons per year, based upon a rolling, 12-month summation of the asphalt production.

To ensure enforceability during the first 12 calendar months of operation, the permittee shall not exceed the production levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Tons of Hot Mix Asphalt Produced</u>
1	20,000
1-2	40,000
1-3	60,000
1-4	80,000
1-5	100,000
1-6	120,000
1-7	140,000
1-8	160,000
1-9	180,000
1-10	180,000
1-11	180,000
1-12	180,000

After the first 12 calendar months of operation, compliance with the annual production limitation shall be based upon a rolling, 12-month summation of the asphalt production.

- (3) The permittee shall operate and maintain the fuel burner in accordance with the manufacturer's recommendations to ensure efficient combustion of the fuel(s) and to ensure compliance with the applicable emission limitations for VOC, CO and NOx.
- (4) The permittee may substitute reclaimed asphalt pavement (RAP) in the raw material feed mix in amounts not to exceed 50 per cent of all aggregate materials.



d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall only employ materials/fuels listed in the permit to install application. Any changes in the materials employed/combusted may be deemed a "modification" to the emissions unit and, as such will require prior notification to and approval from the Ohio EPA, Division of Air Pollution Control, Northwest District Office.
- (2) The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.
- (3) The permittee shall maintain monthly records of the following information:
 - a. the asphalt production for each month;
 - b. beginning after the first 12 calendar months of operation, the rolling, 12-month summation of the asphalt production;
 - c. during the first 12 calendar months of operation, the permittee shall record the cumulative asphalt production for each calendar month; and
 - d. the maximum percentage of RAP used for any mix.
- (4) For each shipment of number 2 fuel oil, received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittees or oil supplier's analyses for sulfur content and heat content.
- (5) The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any abnormal (above the allowable) visible particulate emissions from the baghouse servicing this emissions unit. If visible particulate emissions are observed, the permittee shall note the following in the operation log:
 - a. the color of the visible emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of the visible emission incident; and
 - d. corrective actions taken to correct the excess visible particulate emissions.
- (6) The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the hot aggregate elevator, vibrating screens, weigh hopper, the aggregate



storage bins and cold aggregate elevator/conveyor serving this emissions unit. If visible emissions are observed, the permittee shall note the following in the operation log:

- a. the location and color of the visible emissions;
- b. the cause of the visible particulate emissions;
- c. the total duration of any visible emissions incident; and
- d. any corrective actions taken to minimize or eliminate the visible emissions.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify:

- a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the Potential to Emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
- b. the probable cause of each deviation (excursion);
- c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
- d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

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

(3) The permittee shall submit a copy of the *Burner Tuning Reporting Form for Asphalt Concrete Plants* form to the appropriate Ohio EPA district office or local air agency to summarize the results of each burner tuning procedure. These reports shall be submitted to the Ohio EPA district office or local air agency by January 31 of each year and shall cover the previous calendar year.



f) Testing Requirements

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

- a. Emission Limitations: Nitrogen Oxides (NO_x) emissions from burning any approved fuel shall not exceed 0.12 pounds per ton of asphalt produced; SO₂ emissions shall not exceed 0.10 pounds per ton of asphalt produced; Carbon monoxide (CO) emissions from burning any approved fuel shall not exceed 0.40 pounds per ton of asphalt produced; Volatile Organic Compound (VOC) emissions from burning any approved fuel shall not exceed 0.15 pounds per ton of asphalt produced; Particulate Emissions (PE) from burning any approved fuel shall not exceed 0.04 gr/dscf.

Applicable Compliance Method: The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- i. The emission testing shall be conducted within 60 days after achieving the maximum production rate but no later than 120 days after initial startup of the emissions unit.
- ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE, VOC, CO, NO_x and SO₂.
- iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) for:

For PE, Methods 1-5 of 40 CFR Part 60, Appendix A.

For NO_x, Methods 1-4 and 7 or 7E of 40 CFR Part 60, Appendix A.

For SO₂, Methods 1-4 and 6 or 6C of 40 CFR Part 60, Appendix A

For CO, Methods 1-4 and 10 of 40 CFR Part 60, Appendix A

For VOC, Methods 1-4 and 25 and/or 18 of 40 CFR Part 60, Appendix A

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- iv. The test(s) shall be conducted while this emissions unit is operating at its maximum capacity and burning number 2 fuel oil for PM, VOC, CO, NO_x and SO₂ unless otherwise specified or approved by the Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s)



and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA District Office or local air agency.

- b. Emissions Limitation:
PE emissions shall not exceed 3.80 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of PE per ton of asphalt produced, by the actual rolling 12 month summation of asphalt produced, in tons per rolling 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.

- c. Emission Limitation:
VOC emissions shall not exceed 13.50 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of VOC per ton of asphalt produced, by the actual rolling 12 month summation of asphalt produced, in tons per rolling 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.

- d. Emission Limitation:
CO emissions shall not exceed 36.00 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of CO per ton of asphalt produced, by the actual rolling 12 month summation of asphalt produced, in tons per rolling 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.



- e. Emission Limitation:
SO₂ emissions shall not exceed 9.00 tons per rolling 12-month period.
- Applicable Compliance Method:
Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of SO₂ per ton of asphalt produced, by the actual rolling 12 month summation of asphalt produced, in tons per rolling 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.
- f. Emission Limitation:
NO_x emissions shall not exceed 10.80 tons per rolling 12-month period.
- Applicable Compliance Method:
Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of NO_x per ton of asphalt produced, by the actual rolling 12 month summation of asphalt produced, in tons per rolling 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.
- g. Emission Limitation:
Visible particulate emissions from the stack shall not exceed 20% opacity as a 3-minute average.
- Applicable Compliance Method:
Compliance shall be determined using Method 9 as set forth in 40 CFR Part 60 Appendix A, as such appendix existed on July 1, 1996 and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.
- Emission Limitation:
No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.
- Applicable Compliance Method:
Compliance with the limitations on visible emissions of fugitive dust found in Section A.1 of this permit shall be demonstrated by the monitoring and record keeping in Section C.4. If required, 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.
- h. Emission Limitation:
Visible emissions of fugitive dust (from areas other than the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper) shall be less than or equal to 10% opacity, as a 3-minute average.



Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03, or for non stack sources, compliance with the emissions limitation for the unpaved roadways and parking areas 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)(d) of OAC rule 3745-17-03.

i. Emissions Limitation:

Fugitive PM emissions from the cold end shall not exceed 1.27 tons per year.

Applicable Compliance Method:

Compliance with the annual emissions limitation shall be assumed based upon the following worst case calculations:

Fugitives emissions from the cold end are calculated as follows

Weigh hopper loading:

$$180,000 \text{ tons of material/year} \times 0.0051 \text{ lb PE/ton of material} = 0.46 \text{ ton PE/yr}$$

Aggregate transfer:

$$180,000 \text{ tons of aggregate/year} \times 0.0069 \text{ lb PE/ton of aggregate} = 0.62 \text{ ton PE/yr}$$

Sand transfer:

$$180,000 \text{ tons of sand/year} \times 0.0021 \text{ lb PM/ton of sand} = 0.19 \text{ tons PM/yr}$$

The sum of the above is: 1.27 tons of PE

j. Fugitives emissions from the hot end (HMA load-out and silo filling) are calculated as follows:

Asphalt Plant Silo Filling Emissions From AP-42, Table 11.1-14

Known:

-0.5 Asphalt Volatility factor (default) 325 HMA mix temp (F) (default)

Predictive Equation for Particulate Emissions

$$EF=0.000332+0.00105(-V)e^{((0.0251)(T+460)-20.43)} \text{ in pounds of PM per ton of asphalt produced}$$



Based on the above emission factor EF is: 0.0013 lbs CO/Ton

Assuming above production criteria 0.12 Ton CO/Yr at restricted
annual production

g) Miscellaneous Requirements

- (1) The following source is subject to the applicable provision of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR part 60.

Source Number	Source Description	NSPS Regulation (Subpart)
P901	160 Ton/Hr asphalt plant	Subpart I

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. Construction date (no later than 30 days after such date);
- b. Actual start-up date (within 15 days after such date); and
- c. Date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to the Ohio EPA District Office or local air agency responsible for the permitting of the facility.