



5/7/2015

Certified Mail

Dan Crago
BROWN COUNTY CONSTRUCTION CO INC
11641 Mosteller Rd
Cincinnati, OH 45241

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

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

Facility ID: 0708000062
Permit Number: P0091238
Permit Type: OAC Chapter 3745-31 Modification
County: Brown

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate (PTIO) for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio Environmental Protection Agency (EPA) Weekly Review and the local newspaper, The News Democrat. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically 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. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall Permit Review/Development Section Ohio EPA, DAPC 50 West Town Street Suite 700 PO Box 1049 Columbus, Ohio 43216-1049	and	Portsmouth City Health Dept., Air Pollution Unit 605 Washington Street 3rd Floor Portsmouth, OH 45662
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Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Portsmouth City Health Dept., Air Pollution Unit at (740)353-5156.

Sincerely,

Erica R. Engel-Ishida, Manager
Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA Region 5 Via E-Mail Notification
Portsmouth; Indiana; Kentucky

PUBLIC NOTICE

The following matters are the subject of this public notice by the Ohio Environmental Protection Agency. The complete public notice, including any additional instructions for submitting comments, requesting information, a public hearing, or filing an appeal may be obtained at: <http://epa.ohio.gov/actions.aspx> or Hearing Clerk, Ohio EPA, 50 W. Town St., Columbus, Ohio 43215. Ph: 614-644-2129 email: HClerk@epa.ohio.gov

Draft Air Pollution Permit-to-Install and Operate OAC Chapter 3745-31 Modification
BROWN COUNTY CONSTRUCTION CO INC

8108 US ROUTE 52 WEST,,ABERDEEN, OH 45101

ID#:P0091238

Date of Action: 5/7/2015

Permit Desc:FEPTIO 150 TPH Portable Hot Mix Asphalt Batch Plant with a baghouse processed as a Chapter 31 Modification to PTI 07-324, issued 9/27/1995 to change the maximum of 2400 hours of operation per rolling 365 day period to a maximum annual asphalt production rate that shall not exceed 360,000 tons, based upon a rolling, 12 month summation, to allow the use of up to 50% reclaimed asphalt pavement (RAP) and to allow the use of shingles as a raw material in the hot mix asphalt plant and emission limits are based on calculations using AP-42, Tables 11-1-1, 11.1-5, 11.1-6 dated 3/2004, Aggregate Storage Piles, Roadways and Parking..

The permit and complete instructions for requesting information or submitting comments may be obtained at: <http://epa.ohio.gov/dapc/permitsonline.aspx> by entering the ID # or: Matt Freeman, Portsmouth City Health Dept., Air Pollution Unit, 605 Washington Street 3rd Floor, Portsmouth, OH 45662. Ph: (740)353-5156



Permit Strategy Write-Up

1. Check all that apply:

Synthetic Minor Determination

Netting Determination

2. Source Description: F001 Sand and aggregate storage piles, F002 Paved Roadways and parking and P901 150 TPH Portable hot mix asphalt batch plant with a baghouse. PTIO processed as a Chapter 31 modification to PTI 07-324, issued 9/27/1995 to change the maximum of 2400 hours of operation per rolling 365 day period to a maximum annual asphalt production rate that shall not exceed 360,000 tons, based upon a rolling, 12 month summation, to allow the use of up to 50% reclaimed asphalt pavement (RAP) and to allow the use of recycled asphalt shingles (RAS) as a raw material in the hot mix asphalt plant, as well as natural gas as alternate fuel. The maximum of 2400 hours of operation per rolling 365 day period is equivalent to a maximum annual asphalt production rate that shall not exceed 360,000.
3. Facility Emissions and Attainment Status: Brown Co. Construction is located in Brown County, Ohio. Brown County is currently designated as attainment for all criteria pollutants. Brown Co. Construction is defined as a synthetic minor facility for the purposes of State and Federal major new source review. Potential emission of SO₂ are greater than 100 tons per year. The permittee has committed to limiting the asphalt production from emissions unit P901 to 360,000 tons per year in order to avoid Title V.
4. Source Emissions: See table in 7. below for actual summary.
5. Conclusion: The potential to emit calculations from this Ch. 31 modification due to a fuel change show the PTE of emissions not greater than 100 tons per for any criteria pollutant for source P901 solely based upon the new emission factors. The old emission factors from test data showed that the PTE would be above 100 tpy for SO₂. The asphalt production limitation from emissions unit P901 will still remain at 360,000 tons per year in order to avoid Title V. This was an agency initiated Ch. 31 modification to add natural gas as an additional fuel and also the use of recycled asphalt pavement (RAP) up to 50% and recycled asphalt shingles (RAS) after the EAC forms were updated by the permittee.
6. Please provide additional notes or comments as necessary:
7. Total Permit Allowable Emissions Summary (for informational purposes only):

<u>PollutantTons Per Year</u>	
PE	13.3
SO ₂	90.0
NOx	21.6
CO	72.0
VOC	18



DRAFT

**Division of Air Pollution Control
Permit-to-Install and Operate
for
BROWN COUNTY CONSTRUCTION CO INC**

Facility ID:	0708000062
Permit Number:	P0091238
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	5/7/2015
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance



Division of Air Pollution Control
Permit-to-Install and Operate
for
BROWN COUNTY CONSTRUCTION CO INC

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Draft Permit-to-Install and Operate
 BROWN COUNTY CONSTRUCTION CO INC
Permit Number: P0091238
Facility ID: 0708000062
Effective Date: To be entered upon final issuance

Authorization

Facility ID: 0708000062
 Application Number(s): A0022601, A0022602, A0022603, A0022604, A0044036
 Permit Number: P0091238
 Permit Description: FEPTIO 150 TPH Portable Hot Mix Asphalt Batch Plant with a baghouse processed as a Chapter 31 Modification to PTI 07-324, issued 9/27/1995 to change the maximum of 2400 hours of operation per rolling 365 day period to a maximum annual asphalt production rate that shall not exceed 360,000 tons, based upon a rolling, 12 month summation, to allow the use of up to 50% reclaimed asphalt pavement (RAP) and to allow the use of shingles as a raw material in the hot mix asphalt plant and emission limits are based on calculations using AP-42, Tables 11.1-1, 11.1-5, 11.1-6 dated 3/2004, Aggregate Storage Piles, Roadways and Parking.
 Permit Type: OAC Chapter 3745-31 Modification
 Permit Fee: \$1,250.00 *DO NOT send payment at this time, subject to change before final issuance*
 Issue Date: 5/7/2015
 Effective Date: To be entered upon final issuance
 Expiration Date: To be entered upon final issuance
 Permit Evaluation Report (PER) Annual Date: To be entered upon final issuance

This document constitutes issuance to:

BROWN COUNTY CONSTRUCTION CO INC
 8108 US ROUTE 52 WEST
 ABERDEEN, OH 45101

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:

Portsmouth City Health Dept., Air Pollution Unit
 605 Washington Street
 3rd Floor
 Portsmouth, OH 45662
 (740)353-5156

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
 Director



Authorization (continued)

Permit Number: P0091238
Permit Description: FEPTIO 150 TPH Portable Hot Mix Asphalt Batch Plant with a baghouse processed as a Chapter 31 Modification to PTI 07-324, issued 9/27/1995 to change the maximum of 2400 hours of operation per rolling 365 day period to a maximum annual asphalt production rate that shall not exceed 360,000 tons, based upon a rolling, 12 month summation, to allow the use of up to 50% reclaimed asphalt pavement (RAP) and to allow the use of shingles as a raw material in the hot mix asphalt plant and emission limits are based on calculations using AP-42, Tables 11-1-1, 11.1-5, 11.1-6 dated 3/2004, Aggregate Storage Piles, Roadways and Parking.

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: | Sand and aggregate storage piles |
| Superseded Permit Number: | 07-324 |
| General Permit Category and Type: | Not Applicable |
|
Emissions Unit ID: |
F002 |
| Company Equipment ID: | Paved Roadways and Parking Areas |
| Superseded Permit Number: | 07-324 |
| General Permit Category and Type: | Not Applicable |
|
Emissions Unit ID: |
P901 |
| Company Equipment ID: | 150 TPH Hot Mix Asphalt Batch Plant with a baghouse |
| Superseded Permit Number: | 07-324 |
| General Permit Category and Type: | Not Applicable |



Draft Permit-to-Install and Operate
BROWN COUNTY CONSTRUCTION CO INC
Permit Number: P0091238
Facility ID: 0708000062
Effective Date: To be entered upon final issuance

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 Portsmouth City Health Dept., Air Pollution Unit 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.



Draft Permit-to-Install and Operate
BROWN COUNTY CONSTRUCTION CO INC
Permit Number: P0091238
Facility ID: 0708000062
Effective Date: To be entered upon final issuance

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.
2. The following emissions unit contained in this permit is subject to 40 CFR Part 60, Subpart I: P901. The complete NSPS requirements may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District Office or local air agency.



Draft Permit-to-Install and Operate
BROWN COUNTY CONSTRUCTION CO INC
Permit Number: P0091238
Facility ID: 0708000062
Effective Date: To be entered upon final issuance

C. Emissions Unit Terms and Conditions



1. F001, Sand and aggregate storage piles

Operations, Property and/or Equipment Description:

Sand and 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 07-324, issued 9/27/1995)	No visible particulate emissions (PE) except for one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See b)(2)c. through b)(2)f.)
b.	OAC rule 3745-17-07(B)	See b)(2)a.
c.	OAC rule 3745-17-08(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.



- b. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).
 - c. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's application, the permittee has committed to watering at sufficient treatment frequencies to ensure compliance.
 - d. 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.
 - e. 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.
 - f. 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 water spray systems to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
 - g. 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.
 - 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 requirements of OAC rule 3745-31-05(A)(3).
- c) Operational Restrictions
- (1) None.



d) Monitoring and/or Recordkeeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
all	daily

- (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	daily

- (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	daily

- (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. The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services 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:

No visible PE except for one minute during any 60-minute observation period.

Applicable Compliance Method:

If required, compliance with the visible PE limitations listed 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.

g) Miscellaneous Requirements

- (1) None.



2. F002, Paved Roadways and Parking Areas

Operations, Property and/or Equipment Description:

Paved 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 07-324, issued 9/27/1995)	No visible PE except for one minute during any 60-minute observation period. Best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See b)(2)c through b)(2)g).
b.	OAC rule 3745-17-07(B)	See b)(2)a.
c.	OAC rule 3745-17-08(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible emissions limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

b. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which



requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

- 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 application, the permittee has committed to paving, sweeping and watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for paved roadways and parking areas that are covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- e. 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.
- f. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- g. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
all roads and parking areas	daily

- (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.

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. The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services 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:

No visible PE except for one minute during any 60-minute observation period.

Applicable Compliance Method:

If required, 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").



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BROWN COUNTY CONSTRUCTION CO INC
Permit Number: P0091238
Facility ID: 0708000062
Effective Date: To be entered upon final issuance

- g) Miscellaneous Requirements
 - (1) None.



3. P901, 150 TPH Portable Hot Mix Asphalt Batch Plant with a baghouse

Operations, Property and/or Equipment Description:

150 tons per hour (design) Portable Hot Mix Asphalt Batch Plant controlled with a twin cyclone and baghouse, fired by natural gas, No. 2 and No. 4 fuel oil. Chapter 31 Modification to PTI 07-324, issued 9/27/1995 to change the maximum of 2,400 hours of operation per rolling 365 day period to a maximum annual asphalt production rate that shall not exceed 360,000 tons, based upon a rolling, 12 month summation, to allow the use of up to 50% reclaimed asphalt pavement (RAP), to increase the VOC emission limit and to allow the use of shingles as a raw material in the hot mix asphalt plant. Also, to update the terms with the most recent OEPA asphalt plant terms and conditions and updated emission factors for CO and NOx.

- 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. b)(1)d. thru f., d)(1), e)(1), f)(1)b. thru f.
- 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), as effective 11/30/01	Volatile Organic Compound (VOC) emissions are equivalent to the tons per year rolling 12-month VOC synthetic minor limit established in b)(1)d. See b)(2)a. below.
b.	OAC rule 3745-31-05(A)(3) (PTI 07-324, issued 9/27/1995)	Stack Emissions from Baghouse Particulate emissions (PE) shall not exceed 11.1 pounds per hour. Sulfur Dioxide (SO ₂) emissions shall not



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		<p>exceed 75.0 pounds per hour.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D), except for VOC emissions, and 40 CFR Part 60, Subpart I.</p>
c.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b. below.
d.	OAC rule 3745-31-05(D) [Synthetic Minor to avoid Title V permitting] (PTI 07-324, issued 9/27/1995)	<p>Stack Emissions from Baghouse</p> <p>PE shall not exceed 13.3 tons per rolling, 12- month period.</p> <p>SO₂ emissions shall not exceed 90.0 tons per rolling, 12-month period.</p>
e.	OAC rule 3745-31-05(D) [Synthetic Minor to avoid Title V] (administrative modification to PTI 07-324, issued 9/7/1995, to updated AP-42 emission factors)	<p>NOx emissions shall not exceed 21.6 tons per rolling, 12-month period.</p> <p>CO emissions shall not exceed 72.0 tons per rolling, 12-month period.</p>
f.	OAC rule 3745-31-05(D) [Synthetic Minor to avoid Title V permitting]	VOC emissions from the baghouse stack shall not exceed 18 tons per rolling, 12-month period (stack and fugitive emissions) and 0.1 lb. of VOC per ton of asphalt produced.
g.	40 CFR Part 60, Subpart I	<p>PE from the baghousestack shall not exceed 0.04 grain/dscf.</p> <p>The emissions unit shall not discharge into the atmosphere any stack gases which exhibit 20% opacity or greater.</p>
h.	Stack Opacity OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart I.
i.	Stack Particulate OAC rule 3745-17-11(B)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
j.	Fugitive Opacity OAC rule 3745-17-07(B) ¹	Visible PE from any fugitive dust source shall not exceed twenty percent opacity as a three-minute average, except as

¹These rules and requirements apply only when the plant is located in an area listed in OAC rule 3745-17-08, Appendix A.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		provided by rule.
k.	Fugitive Operational Restrictions OAC rule 3745-17-08(B) ¹	See b)(2)c.
l.	OAC rule 3745-18-06(E)	The emission limitation required by this applicable rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-03 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by 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 3745-31-05, then these emission limitations/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

Permit to Install or Permit to Operate P0091238 for this air contaminant source takes into account the following voluntary restriction (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirement under OAC rule 3745-31-05(A)(3):

- i. Limiting the annual asphalt production rate to 360,000 tons, based upon a rolling 12-month summation of the production rates.
- ii. VOC emissions of 18 tons per year, as a rolling 12-month summation.

c. Appendix A, Area Fugitive Dust Control Measures

- i. The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible particulate emissions of fugitive dust from the aggregate storage bins;
- ii. The aggregate loaded into the cold aggregate bins shall have moisture content sufficient to minimize or eliminate the visible particulate emissions of fugitive dust from conveyors and all transfer points to the dryer;
- iii. Install and use of hoods, fans, and other equipment to adequately enclose contain capture, vent and control fugitive dust. Such equipment



shall be sufficient to minimize or eliminate visible particulate emissions of fugitive dust.

- d. All number 4 fuel oil burned in this emission unit shall have a sulfur content equal to or less than 2.0 per cent, by weight.
- e. No. 2 diesel fuel burned in this emissions unit shall meet U.S. EPA's specifications for Ultra Low Sulfur Diesel (ULSD) found in 40 CFR 80.510(c).
- f. The maximum annual asphalt production rate for this emissions unit shall not exceed 360,000 tons per year, based upon a rolling, 12-month summation of the production rates. The permittee has existing records and therefore does not need to be restricted on a monthly basis after issuance of this permit.

c) Operational Restrictions

(1) Raw Material and Fuel Use Restrictions

- a. The permittee shall only burn natural gas, number 2 fuel oil, and/or number 4 fuel oil in this emissions unit. In order to use a fuel on an ongoing basis, the permittee shall complete the emission testing for that fuel in f).
- b. The permittee may not receive or burn any used oil which does not meet the standards in OAC rule 3745-279-11 and the specifications listed in this permit without first obtaining a permit-to-install or permit-to-install and operate that authorizes the burning of off-specification used oil. The burning of off-specification used oil, subject to OAC rule 3745-279-60 through 67, is prohibited as a fuel in this emissions unit.
- c. The permittee may substitute reclaimed asphalt pavement (RAP) or shingles in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials.
- d. The permittee may substitute asphalt shingles. Asphalt shingles removed from buildings (tear-off material) may be used but only if it has been determined that they do not contain asbestos. Verification that the shingles do not contain asbestos can either be done by actual testing of a representative sample of the shingles, or by verification from the shingle manufacturer that the shingles do not contain asbestos. Records shall be kept documenting the asbestos verification of any shingles used in the feed mix consistent with the language requirements in the standard terms and conditions.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the following information:
 - a. the total asphalt production for each month;
 - b. the total asphalt produced for each fuel type for each month;



- c. the rolling, 12 month summation of the total asphalt production and the asphalt production by fuel type, calculated by adding the current month's asphalt production to the asphalt production for the preceding eleven calendar months;
 - d. the rolling, 12-month summation of the PE, SO₂, NO_x, VOC and CO emissions; and
 - e. the maximum percentage of RAP or shingles used for any mix type.
- (2) For each shipment of number 4 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.
- (3) Appendix A, Daily Fugitive Visible Emissions Checks
- a. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the hot aggregate elevator, the vibrating screens, and the weigh hopper serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - i. the location and color of the emissions;
 - ii. whether the emissions are representative of normal operations;
 - iii. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - iv. the total duration of any visible emission event; and
 - v. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item d above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
- (4) While performing each burner tuning, the permittee shall record the results of the burner tuning using the *Burner Tuning Reporting Form for Asphalt Concrete Plants* form (as found in g)(2)). An alternative form may be used upon approval of the appropriate Ohio EPA District Office or local air agency.



- (5) For each day during which the permittee burns a fuel other than No. 2 diesel fuel, No. 4 fuel oil, or natural gas, the permittee shall maintain a record of the type, per cent of sulfur content, and quantity of fuel burned in this emissions unit.
- (6) The permittee shall maintain documents provided by the oil supplier for each shipment of No. 2 fuel oil to demonstrate compliance with the ULSD requirement. These documents must include the receipt or bill of lading that includes confirmation that the fuel meets the No. 2 diesel fuel ULSD standard.
- (7) The permittee shall maintain documentation verifying that any shingles employed do not contain asbestos as described in c)(1)d.

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:
 - i. all exceedances of the rolling 12-month asphalt production limitation;
 - ii. all exceedances of the rolling 12-month total PE, SO₂, NO_x, VOC and CO emission limitations;
 - iii. all exceedances of the sulfur content limitations in a)(2)d. and a)(2)e;
 - iv. all exceedances of the lbs. of VOC per ton emission limitation;
 - v. all exceedances of the prohibition to utilize fuels other natural gas, no. 2 fuel oil or no.4 fuel oil; and
 - b. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - c. 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 the 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) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is



recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

- a. Exceedance of the prohibition to burn used oil in this emissions unit;
- b. All exceedances of the RAP or shingles raw material mix limitations;
- c. All *Burner Tuning Reporting Form for Asphalt Concrete Plants* forms produced during the past calendar year shall be submitted to the appropriate Ohio EPA District Office or local air agency responsible for the permitting of the facility with the PER;
- d. All days during which any visible particulate emissions of fugitive dust were observed from the egress points (i.e., building windows, doors, roof monitors, etc., serving this emissions unit; and
- e. Any corrective actions taken to minimize or eliminate the visible particulate emissions from visible particulate emissions of fugitive dust.

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

(3) General Report Submission Requirements

All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the District Office or Local Air Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.

f) Testing Requirements

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



a. Emission Limitations:

Emissions from the baghouse stack shall not exceed:

11.1 lbs/hr PE;

75.0 lbs/hr SO₂;

0.1 lb. of VOC per ton of asphalt produced;

PE shall not exceed 0.04 grain/dscf.

Applicable Compliance Method:

Compliance shall be demonstrated by emissions testing as required in section f)(2) below.

b. Emission Limitation:

PE shall not exceed 13.3 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of PM per ton of asphalt produced for each fuel, by the actual rolling, 12-month summation of asphalt produced for each fuel, in tons per rolling, 12-month period (as derived from the records required by d)(1), summing the results for all fuels, and dividing by 2000.

c. Emission Limitation:

VOC emissions shall not exceed 18 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of VOC per ton of asphalt produced for each fuel, by the actual rolling, 12-month summation of asphalt produced for each fuel, in tons per rolling, 12-month period (as derived from the records required by d)(1), summing the results for all fuels, and dividing by 2000.

d. Emission Limitation:

NOx emissions shall not exceed 21.6 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined by multiplying the AP-42 emission factor of 0.12 pounds of NOx per ton of asphalt produced (Section 11.1-5, dated 3/04) by the actual rolling, 12-month summation of asphalt produced for each fuel, in tons per rolling, 12-month period (as derived from the records required by d)(1), summing



the results for all fuels, and dividing by 2000. If required, compliance shall be based on stack testing in accordance with USEPA Reference Method 7 of 40 CFR Part 60, Appendix A.

e. Emission Limitation:

CO emissions shall not exceed 72.0 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined by multiplying the AP-42 emission factor of 0.4 pounds of CO per ton of asphalt produced (Section 11.1-5, dated 3/04) by the actual rolling, 12-month summation of asphalt produced for each fuel, in tons per rolling, 12-month period (as derived from the records required by d)(1), summing the results for all fuels, and dividing by 2000. If required, compliance shall be based on stack testing in accordance with USEPA Reference Method 10 of 40 CFR Part 60, Appendix A.

f. Emission Limitation:

SO₂ emissions shall not exceed 90.0 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of SO₂ per ton of asphalt produced for each fuel, by the actual rolling, 12-month summation of asphalt produced for each fuel, in tons per rolling, 12-month period (as derived from the records required by d)(1), summing the results for all fuels, and dividing by 2000.

g. Emission Limitation:

This emissions unit shall not discharge into the atmosphere any stack gases which exhibit 20 percent opacity or greater as established in 40 CFR Part 60, Subpart I.

Applicable Compliance Method:

If required, compliance shall be based upon visible particulate emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

h. Emission Limitation:

See b)(2)e.

Applicable Compliance Method:

If required, the permittee shall perform sulfur content analysis of a fuel sample in accordance with 40 CFR 80.580 using the appropriate ASTM method(s).



(2) Emissions Testing Requirements

- a. 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 3 months after recommencing operation of the emission unit.
 - ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE, VOC, and SO₂ for the primary fuel. Prior to secondary fuel emissions testing, the permittee shall consult the appropriate Ohio EPA District Office or local air agency to determine which pollutants should be tested.
 - iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

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

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

VOC: Methods 1 through 4 and 25, 25A, 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 or near its maximum capacity when burning natural gas, number 2 fuel oil or number 4 fuel oil for PE, VOC, and SO₂ and employing RAP to verify VOC emissions, unless otherwise specified or approved by the appropriate 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 appropriate 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 appropriate Ohio EPA District Office or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate 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



appropriate 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 appropriate Ohio EPA District Office or local air agency.

(3) Burner Evaluation/Tuning

a. Introduction

The permittee is required to conduct periodic evaluation/tuning of the asphalt plant burner as set forth below. The purpose of this evaluation/tuning is to ensure that the burner is adjusted and maintained in order to make the burner as fuel efficient as possible.

b. Qualifications for Burner Evaluation/Tuning

Technicians who conduct the burner evaluation/tuning must be qualified to perform the expected burner evaluation/tuning tasks. In order to be qualified, the technician must have passed manufacturer's training concerning burner evaluation/tuning, or must have been trained by someone who has completed the manufacturer's training concerning burner evaluation/tuning. Burner evaluation/tuning technicians can be either permittee employees or outside parties.

c. Portable Monitor Requirements

Portable monitors used for burner evaluation/tuning shall be properly operated and maintained to monitor the concentration of NO_x, O₂ and CO in the stack exhaust gases from this emissions unit. The monitor(s) shall be capable of measuring the expected concentrations of the measured gases. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The owner or operator of the portable monitor shall maintain records of each portable monitoring device's calibration.

d. Burner Evaluation/Tuning Procedure

An alternative form may be used as long as it contains the same data elements as the Burner Evaluation/Tuning Reporting Form for Asphalt Concrete Plants form.

The burner shall be evaluated and, if necessary, tuned based on the frequency described in f)(3)e.

The general procedure for evaluating and, if necessary, tuning the burner involves the following steps:

- i. Review the plant operations to ensure the plant is operating normally based on weather conditions and production.



- ii. Confirm that the portable monitor is calibrated per the manufacturer's specifications.
- iii. Using the calibrated monitor and the monitor manufacturer's recommended sampling duration, measure the stack exhaust gas values for NO_x, O₂, and CO. These measurements shall be taken at a location representative of stack emissions. Record the values in the "Pre-Tuning" results column on the Burner Tuning Reporting Form for Asphalt Concrete Plants form (as found in g)(2)). An alternative form may be used as long as it contains the same data elements as the Burner Evaluation/Tuning Reporting Form for Asphalt Concrete Plants form.
- iv. Make any necessary adjustments and repairs to the burner in order to make the burner as fuel efficient as possible.
- v. If adjustments or repairs are made to the burner, then the technician shall re-measure the stack exhaust gas values for NO_x, O₂, and CO. This procedure shall be repeated until the technician is satisfied that the burner has been appropriately tuned. Once he/she is satisfied, then the technician shall record the post tune NO_x, O₂, and CO values in the "Post Tuning" results column on the Burner Tuning Reporting Form for Asphalt Concrete Plants (or equivalent) form.

Note that the Ohio EPA reserves the right to require permittees to conduct additional emissions tests to verify compliance. Operators who choose not to keep their burners in tune are more likely to be required by Ohio EPA to conduct additional emissions tests to verify compliance. Therefore, it is recommended that permittees make necessary adjustments and repairs to burners as soon as possible and verify that the burner is operating as designed.

- vi. Submit a copy of all Burner Evaluation/Tuning Reporting Form(s) for Asphalt Concrete Plants forms produced during the past calendar year to the appropriate Ohio EPA District Office or local air agency responsible for the permitting of the facility with the PER. Note: These forms are required to be submitted even if the burner is not actually adjusted.

e. Burner Tuning Frequency

The permittee shall conduct the burner evaluation/tuning procedure within 30 production days after commencement of the production season in the State of Ohio. The permittee shall conduct another burner evaluation/tuning procedure within 15 production days before or after June 1st of each year and within 15 production days before or after September 1st of each year. For purposes of this permit, the production season is defined as the time period between the date the first ton of asphalt is produced and the date that the last ton of asphalt is produced during the same calendar year. A burner evaluation/tuning is not required if the production season ends prior to the associated evaluation/tuning due date. If the initial season evaluation/tuning is done within 30 days prior to June 1 or September 1, the tuning associated with that due date is not required.



In addition to the burner evaluation/tuning procedure required above, the permittee shall conduct the burner evaluation/tuning procedure within 20 production days from the date the facility switches to a fuel that is different than the fuel burned during the most recent burner evaluation/tuning procedure.

g) Miscellaneous Requirements

(1) Relocation Requirements

- a. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) or permit to install and operate (PTIO) providing the appropriate exemption requirements have been met. The director may issue a "Notice of Site Approval" for either of the following situations: the permittee notifies the director a minimum of 30 days prior to relocating pursuant to OAC rule 3745-31-03(A)(1)(p)(i); or the permittee identifies pre-disclosed location(s) that meet the criteria found in OAC rule 3745-31-05(H).
- b. Pursuant to OAC rules 3745-31-03(A)(1)(p)(i), 3745-31-03(A)(1)(p)(ii), and 3745-31-05(H), the following criteria must be met for all portable facilities seeking approval for relocation:
 - i. the portable source must possess an issued permit to install (PTI) or permit to install and operate (PTIO) and demonstrate continuing compliance with any applicable best available technology determination and state and/or federal air pollution rule or law; and,
 - ii. the portable source is operating pursuant to a currently effective PTI, PTIO and/or any applicable permit to operate (PTO) and demonstrates continuing compliance with the requirements of the permit(s).
- c. In order to relocate a portable source in accordance with OAC rule 3745-31-03(A)(1)(p)(i) (i.e. the 30-day option), the following additional criteria must be met:
 - i. the permittee has provided proper notice of intent to relocate the portable source to the permitting District Office/Local air agency a minimum of thirty days prior to the scheduled relocation;
 - ii. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the emissions would not cause a nuisance in violation of OAC rule 3745-15-07, and that the relocation of the portable source would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and
 - iii. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07, and that the relocation will not result in the installation or the modification of a major stationary source.



Using the 30-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval".

- d. In order to relocate a portable source in accordance with OAC rules 3745-31-03(A)(1)(p)(ii) and 3745-31-05(H) (i.e. the 15-day option), the following additional criteria must be met:
 - i. the portable source owner has identified the proposed site(s) to the permitting District Office/Local air agency;
 - ii. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s);
 - iii. the permitting District Office/Local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);
 - iv. a public notice, consistent with OAC Chapter 3745-47, has been published in the county where the proposed site(s) is/are located;
 - v. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

Using the 15-day option, the portable source may only be relocated upon receipt of the "Notice of Site Approval", and following submittal of the 15-day written notice of the relocation. Any site approvals issued pursuant to OAC rule 3745-31-05(H) shall be valid for no longer than 3 years and are subject to renewal. Also, pursuant to OAC rule 3745-31-07(D)(2), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

- e. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.
- f. When a portable source is co-located at a stationary source, or is co-located with multiple portable sources, potential emissions from the portable source may be required to be combined for facility potential to emit calculations for Title V and PSD applicability. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01 (NNN) and (LLL), the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC Chapter 3745-77, which may include the requirement to apply for a Title V permit.



Draft Permit-to-Install and Operate
BROWN COUNTY CONSTRUCTION CO INC
Permit Number: P0091238
Facility ID: 0708000062
Effective Date: To be entered upon final issuance

(2) Burner Tuning Form (see next page)



BURNER EVALUATION/TUNING REPORTING FORM FOR ASPHALT CONCRETE PLANTS	
Facility ID:	Evaluation/Tuning Date:
Legal Name:	Other Company Name (if different than legal name):
Mailing Address:	Other Company Site Address: (if different than mailing address):
City, State, Zip Code:	Other Company City, County, Zip Code:
Site Contact Person:	Site Contact Telephone Number:
Site Contact Title:	Site Contact Fax Number:
Name of company performing evaluation/tuning:	Name of company performing emission monitoring:
Type of plant (ie: batch, drum mix, etc.):	Calibration date for analyzers:

Reason for Evaluation/Tuning: Season Initial Tuning June Tuning September Tuning

Fuel Switch Other (describe)

Fuel employed during evaluation/tuning: Natural Gas Propane # 2 Fuel Oil # 4 Fuel Oil Used Oil Other (describe)

Evaluation/Tuning Results:

Parameter	Results	
	Pre Tuning	Post Tuning ²
Fuel flow to the burner (gallon/hr) (for fuel oil and on-spec used oil)		
Fuel pressure (psi)		
For burners that require compressed air for proper operation, pressure at the burner (psi)		
Carbon Monoxide (CO) concentrations (ppm) ¹		



NOx concentrations (ppm) ²		
Oxygen concentrations (per cent) ²		
Asphalt Production (tons/hr)		

¹ Specify whether on a dry or wet basis.

² If the burner did not require adjusting, please record N/A in the post tuning column.

Describe in detail a list of adjustments and/or repairs made to bring the operating parameters into conformance with the manufacturer's specifications. Use additional paper if necessary.

Authorized Signature: This signature shall constitute personal affirmation that all statements or assertions of fact made in this form are true and complete, comply fully with applicable state requirements, and shall subject the signatory to liability under applicable state laws forbidding false or misleading statements.

Name of Official (Printed or Typed):	Title of Official and Phone Number:
Signature of Official:	Date:
