



4/27/2015

Certified Mail

DAVID RONYAK  
Shalersville Asphalt Co.  
PO BOX 540  
BURTON, OH 44021

|     |                                    |
|-----|------------------------------------|
| 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: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE  
Facility ID: 1667050012  
Permit Number: P0118043  
Permit Type: OAC Chapter 3745-31 Modification  
County: Portage

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

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

**How to appeal this permit**

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
77 South High Street, 17th Floor  
Columbus, OH 43215

## **How to save money, reduce pollution and reduce energy consumption**

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

## **How to give us feedback on your permitting experience**

Please complete a survey at [www.epa.ohio.gov/survey.aspx](http://www.epa.ohio.gov/survey.aspx) and give us feedback on your permitting experience. We value your opinion.

## **How to get an electronic copy of your permit**

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

If you have any questions, please contact Akron Regional Air Quality Management District at (330)3752480 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



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

Cc: ARAQMD



## Response to Comments

|   |  |
|---|--|
| Facility ID:  | 1667050012   |
| Facility Name:  | Shalersville Asphalt Co.   |
| Facility Description:   | Asphalt Batching Plant.  |
| Facility Address:   | 3486 FROST RD<br>MANTUA, OH 44255<br>Portage County                        |
| Permit:   | P0118043, Permit-To-Install and Operate - OAC Chapter 3745-31 Modification |
| A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the The Record Courier on 03/20/2015. The comment period ended on 04/19/2015. |  |
| Hearing date (if held)  | N/A  |
| Hearing Public Notice Date (if different from draft public notice)  | N/A  |

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

- 1. No comments regarding the permit issuance were received. The permit draft was also sent to Mr. Mike Briggs via email on 3/19/2015.**





**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
Shalersville Asphalt Co.**

Facility ID: 1667050012  
Permit Number: P0118043  
Permit Type: OAC Chapter 3745-31 Modification  
Issued: 4/27/2015  
Effective: 4/27/2015  
Expiration: 4/27/2020





**Division of Air Pollution Control**  
**Permit-to-Install and Operate**  
for  
Shalersville Asphalt Co.

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## Authorization

Facility ID: 1667050012  
Application Number(s): A0051997  
Permit Number: P0118043  
Permit Description: Chapter 31 modification to change the asphalt batch plant (P901) to a 300 ton per hour continuous counterflow natural gas-fired drum mix plant (P903).  
Permit Type: OAC Chapter 3745-31 Modification  
Permit Fee: \$2,500.00  
Issue Date: 4/27/2015  
Effective Date: 4/27/2015  
Expiration Date: 4/27/2020  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Shalersville Asphalt Co.  
3486 FROST RD  
MANTUA, OH 44255

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

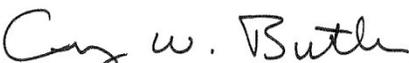
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Akron Regional Air Quality Management District  
1867 West Market St.  
Akron, OH 44313  
(330)375-2480

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
Craig W. Butler  
Director



**Final Permit-to-Install and Operate**  
Shalersville Asphalt Co.  
**Permit Number:** P0118043  
**Facility ID:** 1667050012  
**Effective Date:** 4/27/2015

## Authorization (continued)

Permit Number: P0118043  
Permit Description: Chapter 31 modification to change the asphalt batch plant (P901) to a 300 ton per hour continuous counterflow natural gas-fired drum mix plant (P903).

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

|                                   |                        |
|-----------------------------------|------------------------|
| <b>Emissions Unit ID:</b>         | <b>P903</b>            |
| Company Equipment ID:             | Drum mix asphalt plant |
| Superseded Permit Number:         |                        |
| General Permit Category and Type: | Not Applicable         |



**Final Permit-to-Install and Operate**  
Shalersville Asphalt Co.  
**Permit Number:** P0118043  
**Facility ID:** 1667050012  
**Effective Date:** 4/27/2015

## **A. Standard Terms and Conditions**



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

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

**2. Who is responsible for complying with this permit?**

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

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

**3. What records must I keep under this permit?**

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

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

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

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

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

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

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

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



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

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

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

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

**7. What reports must I submit under this permit?**

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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



**Final Permit-to-Install and Operate**  
Shalersville Asphalt Co.  
**Permit Number:** P0118043  
**Facility ID:** 1667050012  
**Effective Date:** 4/27/2015

## **B. Facility-Wide Terms and Conditions**



**Final Permit-to-Install and Operate**

Shalersville Asphalt Co.

**Permit Number:** P0118043

**Facility ID:** 1667050012

**Effective Date:** 4/27/2015

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: P903. 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.



**Final Permit-to-Install and Operate**  
Shalersville Asphalt Co.  
**Permit Number:** P0118043  
**Facility ID:** 1667050012  
**Effective Date:** 4/27/2015

## **C. Emissions Unit Terms and Conditions**



1. P903, Drum mix asphalt plant

Operations, Property and/or Equipment Description:

300 TPH Continuous counterflow gas-fired drum mix asphalt plant. Only natural gas may be burned in this emission unit. Facility has a synthetic minor restriction of a maximum production of 495,000 tons per year.

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. e)(4), and g)(2).

(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)g., b)(2)b., d)(1), e)(2)a.i.-iii., f)(1)a.-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. | Best Available Technology (BAT)OAC rule 3745-31-05(A)(3) June 30, 2008 | Install a baghouse designed to meet 0.03 grains (gr) per dry standard cubic foot (dscf) of particulate emissions (PE <sup>1</sup> ).<br><br>BAT for sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), nitrogen oxides (NO <sub>x</sub> ), and volatile organic compound (VOC) are all equivalent to the tons per rolling 12-month synthetic minor limits established in b)(1)g.<br><br>See b)(2)c. below. |
| b. | OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008                         | The Best Available Technology (BAT) requirements under OAC rule 3745-31-   |

<sup>1</sup> In this permit, particulate emissions (PE) are being used as surrogate for both particulate matter 10 microns and less in diameter (PM<sub>10</sub>) and particulate matter 2.5 microns and less in diameter (PM<sub>2.5</sub>)



|    | Applicable Rules/Requirements   | Applicable Emissions Limitations/Control Measures   |
|----|---|---|
|    |   | 05(A)(3) do not apply to NO <sub>x</sub> from this air contaminant source since the calculated annual emission rate is less than 10 tons per year taking into the voluntary restriction from OAC rule 3745-31-05(E).<br><br>See b)(2)d. below.        |
| c. | OAC rule 3745-31-05(E)<br>June 30, 2008   | NO <sub>x</sub> emissions shall not exceed 7.18 tons per year.<br><br>Asphalt production shall be limited to 495,000 tons per year.   |
| d. | NSPS 40 CFR Part 60, Subpart I<br>40 CFR 60.90 - 60.93<br>[In accordance with 40 CFR Part 60 Subpart I 60.90(a) and (b), this emissions unit is a hot mix asphalt plant that has commenced construction or modification after June 11, 1973, and is subject to the emissions limitations/control measures specified in 40 CFR Part 60 Subpart I.] | No owner or operator subject to the provisions of this subpart shall discharge or cause the discharge into the atmosphere from any affected facility any gasses which contain PE in excess of 0.04 gr/dscf or exhibit 20 percent opacity, or greater. |
| e. | Stack Particulate<br>OAC rule 3745-17-11(B)(1)  | The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to b)(1)a. for PE.   |
| f. | Stack Opacity<br>OAC rule 3745-17-07(A)(1)  | The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to 40 CFR Part 60, Subpart I.  |
| g. | Fugitive Opacity<br>OAC rule 3745-17-07(B)  | Visible PE from any fugitive dust source shall not exceed twenty percent opacity as a three-minute average, except as provided by rule.   |
| h. | Fugitive Operational Restrictions<br>OAC rule 3745-17-08(B)   | See b)(2)a.   |
| i. | OAC rule 3745-31-05(D)  | See b)(2)b. for restrictions to avoid Prevention of Significant Deterioration (PSD), non-attainment new source review (NNSR) and/or Title V permitting requirements.  |
| j. | OAC rule 3745-18-06(E)  | SO <sub>2</sub> emissions shall not exceed 913.5 lbs./hr. when located in Cuyahoga, Lake, Stark, Summit or Trumbull counties and shall not exceed 1,370.2 lbs./hr. when located in all other Ohio counties.   |



(2) Additional Terms and Conditions

a. 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.

b. Synthetic Minor Restrictions

For purposes of securing federally enforceable terms to avoid federal based PSD, NNSR and/or Title V rules, the following production and emission limitations apply:

- i. 11.45 tons of PE/rolling 12-month period (stack and fugitive emissions) and 0.033 lb. of PE/ton of asphalt produced;
- ii. 37.75 tons of CO/rolling 12-month period (stack and fugitive emissions) and 0.15 lb. of CO/ton of asphalt produced;
- iii. 28.68 tons of VOC/rolling 12-month period (stack and fugitive emissions) and 0.10 lb. of VOC/ton of asphalt produced;
- iv. 7.18 tons of NO<sub>x</sub>/rolling 12-month period (stack emissions) and 0.029 lb. NO<sub>x</sub>/ton of asphalt produced;
- v. The amount of asphalt produced and the SO<sub>2</sub> emissions are restricted by the following equation:

$$((0.011 * a) + (0.53 * b))/2,000 \leq 21.60 \text{ tons per rolling, 12 month period.}$$

Where:

a = tons asphalt produced while burning natural gas per rolling, 12-month period;

b = tons of slag employed in the aggregate mix per rolling, 12-month period.

\* = factors may be revised based upon Ohio EPA validated emissions testing and shall be revised if emissions testing results demonstrate higher emissions.



- vi. Total asphalt production per rolling, 12-month period, using any approved fuel, shall be limited to 495,000 tons, of which no more than 92,000 tons can contain slag in the aggregate mix. The permittee has sufficient records to demonstrate compliance with the asphalt production limitations upon permit issuance.
  - c. The Best Available Technology (BAT) emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP).
  - d. These requirements apply once U.S. EPA approves 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.
- c) Operational Restrictions
- (1) Raw Material and Fuel Use Restrictions
    - a. The permittee shall only burn natural gas in this emissions unit.
    - b. The permittee may substitute reclaimed asphalt pavement (RAP) in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials.
    - c. 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. The permittee may substitute slag produced from blast, basic oxygen, and open hearth furnaces into the asphalt mix, as described in OAC rule 3745-51-04(B)(7). Slag produced from other sources must be evaluated in accordance with OAC rule 3745-52-11. If determined to be hazardous waste, the slag must be managed in accordance with applicable regulations in OAC chapter 3745-266, recyclable materials used in a manner constituting disposal.
    - e. The sulfur content in the slag used in the aggregate mix shall not exceed 1.75% sulfur, by weight. The permittee may use slag with a higher sulfur content than 1.75% if prior approval is granted by Ohio EPA and stack testing is performed to demonstrate the sulfur dioxide emission limits in b)(2)b.v. are not exceeded.
- d) Monitoring and/or Recordkeeping Requirements
- (1) Monthly Records

The permittee shall maintain monthly records of the following information for this emissions unit:



- a. The asphalt production, in tons;
- b. Beginning after the first 12 calendar months or the first 12 calendar months following the issuance of this permit operation following the startup of the emissions unit, the rolling, 12-month summation of total asphalt production, calculated by adding the current month's asphalt production to the asphalt production for the preceding eleven calendar months;
- c. the rolling, 12-month summation, in tons, of the total slag employed in the mix;
- d. The total rolling, 12-month summation of CO, NO<sub>x</sub>, SO<sub>2</sub>\*, VOC, and PE emissions.

\*The rolling, 12-month summation of SO<sub>2</sub> shall be calculated by using the equation found in b)(2)b.v. above.

- (2) For each day during which the permittee uses any raw material that is not specifically identified in the PTIO application A0051997 submitted on November 17, 2014, without prior approval from either Ohio EPA, the permittee shall maintain a record of the type and quantity of raw material employed in this emissions unit.

- (3) Daily Fugitive Visible Emission Checks

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:

- a. the location and color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emissions event; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions event has occurred. The observer does not have to document the exact start and end times for the visible emissions event under item (d) above or continue the daily check until the event has ended. The observer may indicate that the visible emissions event 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) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.
- (5) 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)(3)). An alternative form may be used upon approval of the appropriate Ohio EPA District Office or Local air agency.
- (6) The permittee shall submit to and receive approval from Ohio EPA for a slag sampling and testing plan prior to using slag. In the slag sampling plan, the permittee shall commit to demonstrating that the sulfur content of the slag does not exceed 1.75%.
- (7) Maintaining the Baghouse
  - a. Baghouse Maintenance Plan

The owner/operator shall develop and implement a baghouse maintenance plan designed to ensure that the baghouse continues to operate as designed. This Baghouse Maintenance Plan can either be developed in-house or can be developed by the manufacturer of the baghouse. This Baghouse Maintenance Plan shall include, at a minimum, the following elements:

    - i. The frequency of inspection of the baghouse for maintenance purposes;
    - i. A description of the baghouse components to be inspected at each inspection. It is acceptable to have different inspection frequencies for different baghouse components;
    - ii. A description of any procedures to be used to verify the proper operation of any of the baghouse components to be inspected at each inspection;
    - iii. The identification of the record keeping form/record that will be used to track the maintenance inspection. This form/record should include, at a minimum, the following elements:
      - (a) Date of the maintenance inspection;



- (b) Name of the employee who can verify that the inspection was completed;
- (c) Result of the inspection (component repaired, in need of repair, replaced, adjusted, no adjustment needed, etc.);
- (a). Date component repaired, replaced or adjusted;
- (b). Name of the employee who can verify that the component was repaired, replaced or adjusted;

iv. A description of how and where the records shall be maintained.

The permittee shall begin using the Baghouse Maintenance Plan within 30 days from the date Ohio EPA approved the initial plan. As needs warrant, the permittee can modify the Baghouse Maintenance Plan. The permittee shall submit a copy of proposed revisions to the Baghouse Maintenance Plan to the appropriate District Office or Local air agency (DO/LAA) for review and approval. The permittee can begin using the revised Baghouse Maintenance Plan once the appropriate DO/LAA has approved its use.

b. Baghouse Maintenance Plan Inspections

Except as otherwise provided in this section, the permittee shall perform inspections of each of the baghouse components at frequencies described in the Baghouse Maintenance Plan. The purpose of the inspections is to determine the need for maintenance on components of the baghouse. Inspections may be delayed in the case of unsafe working conditions due to weather etc. Any required inspection that is not performed due to unsafe working conditions shall be performed as soon as practical after the working conditions are considered safe.

c. Baghouse Maintenance Plan Record Keeping

The permittee shall maintain records of the following information:

- ii. The records required to be collected under the Baghouse Maintenance Plan; and
- iii. The date and reason any element of the Baghouse Maintenance Plan was not implemented.

The permittee shall maintain these records in accordance to the Standard Terms and Conditions of A.3 of this permit.

e) Reporting Requirements

- (1) Within 30 days from the final issuance of this permit, the permittee shall submit their proposed Baghouse Maintenance Plan to the appropriate Ohio EPA, District Office/Local Air Agency.



(2) Quarterly Deviation (Excursion Reports)

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, recordkeeping, and/or testing requirements in this permit:
  - i. All exceedances of the rolling, 12-month asphalt production limitation.
  - ii. All exceedances of the tons per rolling, 12-month period of CO, NO<sub>x</sub>, SO<sub>2</sub>, VOC and PE emission limitations;
  - iii. All exceedances of the lb(s)/ton emission rate limitations;
  - iv. All exceedances of the prohibition to utilize other than natural gas;
  - v. All exceedances of the slag restrictions: 1.75% sulfur content;
- 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, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or Local air agency).

(3) Annual Permit Evaluation

The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted 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.

- a. 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);
- b. Any corrective actions taken to minimize or eliminate the visible particulate emissions from visible emissions of fugitive dust;
- c. All exceedances of RAP, shingles, or slag raw material mix limitation;



- d. A description of any failure to implement the Baghouse Maintenance Plan;
- e. 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.
- f. The quantity, in gallons or pounds, of any unapproved fuel burned in this emissions unit.

(4) Changes to Factors Affecting Modeling

The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

(5) 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.

(6) NSPS Reporting Requirements

The permittee shall comply with all applicable reporting requirements under 40 CFR Part 60, Subpart I, including the following sections:

|            |   |
|------------|---|
| 60.7(a)(1) | Construction date (no later than 30 days after such date)                     |
| 60.7(a)(3) | Actual start-up date (within 15 days after such date)                         |
| 60.7(a)(4) | Increase in emissions rate (no later than 60 days before change is commenced) |
| 60.7(a)(6) | Date of performance testing (no later than 30 days prior to testing)          |



f) Testing Requirements

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

a. Emission Limitations:

PE from the stack shall not exceed 0.033 lb./ton;

NO<sub>x</sub> emissions shall not exceed 0.029 lb./ton while burning natural gas;

CO emissions shall not exceed 0.15 lb./ton;

VOC emissions shall not exceed 0.10 lb./ton;

SO<sub>2</sub> emissions shall not exceed 0.011 lb./ton while burning natural gas;

SO<sub>2</sub> emissions while employing slag in the aggregate mix, shall not exceed 0.53 lb./ton of slag used, in addition to the emissions generated, while burning any approved fuel.

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 3 months after issuance of this permit or after beginning operation after issuance of this permit, except for PE and opacity where the tests shall be conducted in accordance with the appropriate provisions listed in 40 CFR Part 60;
- ii. Initial emission testing shall be conducted to demonstrate compliance with allowable mass emission rate of PE, NO<sub>x</sub>, CO, SO<sub>2</sub>, and VOC.
- iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):
  - PE (filterable only), Methods 1-5 and 9 of 40 CFR Part 60, Appendix A.
  - NO<sub>x</sub>, Methods 1-4 and 7 or 7E of 40 CFR Part 60, Appendix A.
  - SO<sub>2</sub>, Methods 1-4 and 6 or 6C of 40 CFR Part 60, Appendix A.
  - CO, Methods 1-4 and 10 of 40 CFR Part 60, Appendix A.
  - VOC, Methods 1-4 and 25 and/or 18 of 40 CFR Part 60, Appendix A.
- iv. The VOC pounds per ton of HMA produced emissions factor observed during the emissions test shall be calculated in accordance with OAC



paragraph 3745-31-10(C)(7) where the average molecular weight of the VOC emissions equals 16, i.e., the VOC as carbon emission rate observed during testing shall be converted to the appropriate units by multiplying the VOC as carbon emission rate observed during testing by 16 and dividing by 12.

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

- v. The test(s) shall be conducted while this emissions unit is operating at or near its maximum capacity and burning natural gas for PE, VOC, CO, NO<sub>x</sub> and SO<sub>2</sub> and employing RAP to verify VOC emissions, unless otherwise specified or approved by the appropriate Ohio EPA District Office of 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 Ohio EPA District Office's 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.

- b. Emission Limitations:

PE emissions from this emissions unit (stack and fugitive) shall not exceed 11.45 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the tons per rolling 12-month period limitation shall be determined by a sum of the following calculations:



- i. For the emissions from the baghouse stack, multiply the observed stack emission rate from the most recent emission test, 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 d)(1) above) and dividing by 2,000.
- ii. For the emissions from raw material loaded in the weigh hopper, 1.13 tons of PE per rolling 12-month period derived from 495,000 tons of asphalt produced per year times 0.95 ton of aggregate used per ton of asphalt produced times the emission factor of 0.0048 lb. of PM/ton of raw materials divided by 2,000. (AP-42 Table 11.12-2 (06/2006))
- iii. For the emissions from aggregate processing, 1.62 tons of PE per rolling 12-month period derived from 495,000 tons of asphalt produced per year times 0.95 ton of aggregate used per ton of asphalt produced times the emission factor of 0.0069 lb. of PM/ton of aggregate throughput divided by 2,000. (AP-42 Table 11.12-2 (06/2006))
- iv. For the emissions from sand processing, 0.26 ton of PE per rolling 12-month period derived from 495,000 tons of asphalt produced per year times 0.50 ton of sand used per ton of asphalt produced times the emission factor of 0.0021 lb. of PM/ton of sand throughput divided by 2,000. (AP-42 Table 11.12-2 (06/2006))
- v. For the emissions from silo filling, 0.14 ton of PE per rolling 12-month period derived from 495,000 tons of asphalt produced per year times 0.000586 lb. of PM/ton of asphalt produced for silo filling divided by 2,000. (AP-42 Table 11.1-14 (03/2004)).
- vi. For the emissions from asphalt load out, 0.13 ton of PE per rolling 12-month period derived from 495,000 tons of asphalt produced per year times 0.000522 lb. of PM/ton of asphalt produced for load out divided by 2,000. (AP-42 Table 11.1-14 (03/2004))

c. Emission Limitations:

VOC emissions from this emissions unit (stack and fugitive) shall not exceed 28.68 tons per rolling 12-month period.

Applicable Compliance Method

Compliance with the tons per rolling 12-month period limitation shall be determined by a sum of the following calculations:

- i. If an emissions test has been conducted for VOC, then multiply the observed stack emission rate from the most recent emission test, 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 d)(1) above) and dividing by 2,000. If no emissions test has been conducted, multiply the 0.10 lb.



of VOC/ton of asphalt produced emission factor by the actual rolling 12 month summation of asphalt produced, in tons per rolling 12-month period, (as derived from the records required by d)(1) above) and dividing by 2,000.

- ii. For the emissions from asphalt load out, 0.96 tons per rolling 12-month period derived from 495,000 tons of asphalt produced per rolling 12-month period multiplied by 0.00386 lb. of VOC/ton asphalt produced divided by 2,000. (AP-42, Table 11.1-14 (03/2004))
- iii. For the emissions from asphalt silo filling, 2.97 tons per rolling 12-month period derived from 495,000 tons of asphalt produced per rolling 12-month period multiplied by 0.0120 lb. of VOC/ton asphalt produced divided by 2,000. (AP-42, Table 11.1-14 (03/2004))

d. Emission Limitation

CO emissions from the stack of this emissions unit shall not exceed 37.75 tons (stack and fugitive) per rolling 12-month period.

Applicable Compliance Method:

Compliance with the tons per rolling 12-month period limitation shall be determined by a sum of the following calculations:

- i. If an emissions test has been conducted for CO, multiply the observed stack emission rate from the most recent emission test, 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 d)(1) above) and dividing by 2,000. If no emissions test has been conducted, multiply the 0.15 lb. of CO/ton of asphalt produced emission factor by the actual rolling 12 month summation of asphalt produced, in tons per rolling 12-month period, (as derived from the records required by d)(1) above) and dividing by 2,000;
- ii. For the emissions from asphalt load out, 0.33 ton per rolling 12-month period derived from 495,000 tons of asphalt produced per rolling 12-month period multiplied by 0.00135 lb. of CO/ton asphalt produced divided by 2,000. (AP-42, Table 11.1-14 (03/2004)); and
- iii. For the emissions from asphalt silo filling, 0.29 ton per rolling 12-month period derived from 495,000 tons of asphalt produced per rolling 12-month period multiplied by 0.00118 lb. of CO/ton asphalt produced divided by 2,000. (AP-42, Table 11.1-14 (03/2004)).

e. Emission Limitation

SO<sub>2</sub> emissions from the stack shall not exceed 21.60 tons per rolling 12-month period.



Applicable Compliance Method:

Compliance with the tons per rolling 12-month period emission limitation shall be determined by using the equation found in b(2)b.v. (as derived from the records required by d)(1)).

f. Emission Limitation

NO<sub>x</sub> emissions from the stack shall not exceed 7.18 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the tons per rolling 12-month period emission limitation shall be determined by multiplying the observed emission rate from the most recent emission testing in pounds of NO<sub>x</sub> per ton of asphalt produced for each fuel type, by the actual rolling 12 month summation of asphalt produced, in tons per rolling 12-month period by fuel type, (as derived from the records required by d)(1) above) and dividing by 2,000.

g. Emission Limitation

Visible particulate emissions from the stack shall not exceed 20% opacity as a 6-minute average.

Applicable Compliance Method:

Visible particulate emissions shall be determined according to USEPA Method 9. See f)(1)a. above.

h. Emission Limitation:

Visible PE from any fugitive dust source shall not exceed 20% opacity as a three-minute average, except as provided by rule.

Applicable Compliance Method:

If required visible particulate emissions shall be determined according to USEPA Method 9.

(2) 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<sub>x</sub>, O<sub>2</sub> 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)(2)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<sub>x</sub>, O<sub>2</sub>, 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)(4)). 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<sub>x</sub>, O<sub>2</sub>, 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<sub>x</sub>, O<sub>2</sub>, 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 Localair 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 and are subject to renewal pursuant to OAC rule 3745-31-05(C)(3). 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.

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.

- (2) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined by OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of materials or use of new materials that would cause the emissions of any toxic air contaminant to increase above 1.0 ton per year may require the permittee to apply for and obtain a new permit-to-install.
- (3) 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 <sup>2</sup> |
| 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) <sup>1</sup>                                     |            |                          |
| NOx concentrations (ppm) <sup>2</sup>  |            |                          |



**Final Permit-to-Install and Operate**

Shalersville Asphalt Co.

**Permit Number:** P0118043

**Facility ID:** 1667050012

|   |  |  |
|---|--|--|
| Oxygen concentrations (per cent) <sup>2</sup> |  |  |
| Asphalt Production (tons/hr)                  |  |  |

<sup>1</sup> Specify whether on a dry or wet basis.

<sup>2</sup> 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:                               |