Ohio Environmental Protection Agency

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

Certified Mail

2/29/2016

No	TOXIC REVIEW
No	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

Mr. Dennis Kruty
Sarver Paving Company (0193)
1208 Masters Avenue
Ashland, OH 44805

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0303010193
Permit Number: P0116210
Permit Type: Administrative Modification
County: Ashland

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**
- **What should you do if you notice a spill or environmental emergency?**

How to appeal this permit

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

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

How to save money, reduce pollution and reduce energy consumption

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

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

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

What should you do if you notice a spill or environmental emergency?

Any spill or environmental emergency which may endanger human health or the environment should be reported to the Emergency Response 24-HOUR EMERGENCY SPILL HOTLINE toll-free at (800) 282-9378. Report non-emergency complaints to the appropriate district office or local air agency.

If you have any questions regarding your permit, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,

Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: Ohio EPA-NWDO

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
Sarver Paving Company (0193)

Facility ID:	0303010193
Permit Number:	P0116210
Permit Type:	Administrative Modification
Issued:	2/29/2016
Effective:	2/29/2016
Expiration:	8/16/2017

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install and Operate
for
Sarver Paving Company (0193)

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Authorization

Facility ID:	0303010193
Application Number(s):	A0049922, A0050498
Permit Number:	P0116210
Permit Description:	Administrative modification to revise organic compound emission limitations based on stack testing results.
Permit Type:	Administrative Modification
Permit Fee:	$500.00
Issue Date:	2/29/2016
Effective Date:	2/29/2016
Expiration Date:	8/16/2017

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

This document constitutes issuance to:

Sarver Paving Company (0193)
1208 Masters Avenue
Ashland, OH 44805

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

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

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Director

Authorization (continued)

Permit Number: P0116210
Permit Description: Administrative modification to revise organic compound emission limitations based on stack testing results.

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

Emissions Unit ID:	**P901**
Company Equipment ID:	165 TPH drum mix asphalt plant w/baghouse
Superseded Permit Number:	P0086776
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

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

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

2. Who is responsible for complying with this permit?

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

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

3. What records must I keep under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

B. Facility-Wide Terms and Conditions

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

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

      (1) None.

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

      (1) None.

C. Emissions Unit Terms and Conditions

1. P901, 165 TPH drum mix asphalt plant w/baghouse

Operations, Property and/or Equipment Description:

165 TPH stationary, parallel flow drum mix asphalt plant with baghouse.

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

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

a. d)(7).

(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)c., b)(2)c., d)(3), e)(1)a.i.-iii., and f)(1)a.-g.

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)	See b)(2)a. and b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii)	See b)(2)c.
c.	OAC rule 3745-31-05(D) Synthetic Minor Limitations to Avoid Title V Applicability	See b(2)d. and e.
d.	40 CFR, Part 60, Subpart I	Emissions from the baghouse stack shall not exhibit 20% opacity, or greater. See b)(2)f. and i.
e.	OAC rule 3745-17-07(A)(1)	See b)(2)g.
f.	OAC rule 3745-17-11(B)(1)	See b)(2)g.
g.	OAC rule 3745-18-06(E)	See b)(2)h.

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) have been determined to be compliance with the federally enforceable emission limitations and restrictions established pursuant to OAC rule 3745-31-05(D), the

opacity requirements of 40 CFR Part 60, Subpart I and the following requirements:

i. The permittee shall ensure that the baghouse is operated with sufficient air volume to eliminate visible fugitive emissions from the rotary drum.

ii. The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the aggregate storage bins.

iii. The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize the visible emissions of fugitive dust from conveyors and all transfer points to the dryer.

iv. There shall be no visible emissions of fugitive dust from the enclosures for the rotary drum and the hot mix asphalt elevator.

v. Visible emissions of fugitive dust (from areas other than the enclosures for the rotary drum and the hot mix asphalt elevator) shall be less than or equal to 10 percent opacity, as a 3-minute average.

b. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that Best Available Technology (BAT) is no longer required by state regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, paragraph (A)(3)(a)(ii) of OAC rule 3745-31-05 (the less than 10 tons per year BAT exemption) has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the U.S. EPA approves the revisions to OAC rule 3745-31-05(A)(3)(a)(ii), the requirement to satisfy BAT for pollutant(s) less than 10 tons per year still exists as part of the federally-approved SIP.

c. The following rule paragraph will apply when U.S. EPA approves OAC rule 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the SIP:

i. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE with regard to the 0.033 pound PE* per ton of asphalt produced (stack emissions) listed in b)(2)d.i., and b)(2)a.i. thru a.v. from this air contaminant source because the calculated annual emission rate for PE* is less than 10 tons/year, taking into account the federally enforceable rule limits established pursuant to OAC rule 3745-31-05(D).

d. The emissions from this emissions unit shall not exceed:

i. 9.04 tons per year (TPY) of particulate emissions (PE), based upon a rolling, 12-month summation of the monthly emissions (stack and fugitive

emissions) and 0.033 pound PE* per ton of asphalt produced (stack emissions);

*In this permit, particulate emissions (PE) are being used as surrogate for both particulate matter 10 microns and less in diameter (PM_{10}) and particulate matter 2.5 microns and less in diameter ($PM_{2.5}$).

ii. 38.14 tons per year (TPY) of carbon monoxide (CO), based upon a rolling, 12-month summation of the monthly emissions (stack and fugitive emissions) and 0.15 pound CO per ton of asphalt produced (stack emissions);

iii. 68.97 tons per year (TPY) of organic compounds (OC), based upon a rolling, 12-month summation of the monthly emissions (stack and fugitive emissions) and 0.26 pound OC* per ton of asphalt produced (stack emissions);

*For purposes of federal enforceability, a limitation on organic compounds effectively restricts emissions of volatile organic compounds (VOC).

iv. 18.75 tons per year (TPY) of nitrogen oxide (NO_X), based upon a rolling, 12-month summation of the monthly emissions and 0.075 pound NO_x per ton of asphalt produced (stack emissions);

v. 25.0 tons per year (TPY) of sulfur dioxide (SO_2), based upon a rolling, 12-month summation of the monthly emissions and 0.10 pound SO_2 per ton of asphalt produced (stack emissions).

e. The maximum annual asphalt production rate for this emissions unit shall not exceed 500,000 tons per year, based upon a rolling, 12-month summation of the asphalt production.

This emission unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the asphalt produced, upon issuance of this permit.

f. The particulate emission limitation of 0.04 gr/dscf specified by this rule is less stringent than the 0.033 pound PE per ton of asphalt produced limitation established under OAC rule 3745-31-05(A)(3).

g. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart I.

h. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

i. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

(1) The permittee may substitute reclaimed asphalt pavement (RAP) and/or asphalt shingles in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials of each asphalt mix produced without conducting additional emissions testing as detailed in f)(1)a.ii. If compliance through emission testing is demonstrated for employing RAP in amounts exceeding 50 percent, the permittee may substitute RAP in the raw material feed mix in amounts not to exceed 75 percent of all aggregate materials of each asphalt mix produced. The permittee may not substitute other raw materials not specifically identified in this PTIO without prior approval from Ohio EPA.

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 supplier 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.

(2) The permittee is limited to burning only #2 diesel fuel. The #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).

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than #2 diesel fuel, the permittee shall maintain a record of the type, percent sulfur content, and quantity of fuel burned in this emissions unit. If natural gas is burned, the permittee is not required to maintain a record of the percent sulfur content.

(2) The permittee shall maintain documents provided by the oil supplier for each shipment of the #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 #2 diesel fuel ULSD standard.

(3) The permittee shall maintain monthly records of the following information:

a. the asphalt production, in tons;

b. the rolling, 12-month summation of the asphalt production, in tons;

c. the rolling, 12-month summation of the PE, SO_2, NOx, OC and CO emissions, in tons; and

d. the maximum percentage of RAP and/or shingles used for any mix.

(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 baghouse 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.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions 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.

(5) The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust. If visible emissions are observed, the permittee shall note the following in the operation 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 emission incident; and

e. 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)(5)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.

(6) 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)(1)]. An alternative form may be used upon approval of the appropriate Ohio EPA District Office or local air agency.

(7) 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 in 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 Federally Enforceable permit-to-install and operate (FEPTIO) prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials or use of new materials that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new FEPTIO.

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 production limitation for this emissions unit;

ii. all exceedances of the rolling, 12-month PE, SO_2, NOx, OC, and CO emission limitations;

iii. all exceedances of the pound per ton emission limitations;

iv. all exceedances of the restriction to burn only #2 diesel fuel meeting ULSD specifications.

b. 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).

(2) 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.

The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring and/or recordkeeping requirements above:

a. all days during which any visible emissions of fugitive dust were observed from non-stack egress points of this emissions unit;

b. any corrective actions taken to minimize or eliminate the visible particulate emissions from the stack and/or visible emissions of fugitive dust;

c. all exceedances of RAP and/or shingles raw material mix limitation; and

d. 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.

(3) 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) of these terms and conditions shall be determined in accordance with the following methods:

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

PE emissions shall not exceed 0.033 pound per ton of asphalt produced;

NO_X emissions shall not exceed 0.075 pound per ton of asphalt produced;

CO emissions shall not exceed 0.15 pound per ton of asphalt produced;

OC emissions shall not exceed 0.26 pound per ton of asphalt produced;

SO_2 emissions shall not exceed 0.10 pound per ton of asphalt produced;

Emissions from the baghouse stack shall not exhibit 20% opacity, or greater.

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 5 years after the most recent stack test for NO_X, CO; and for PE and opacity where the tests shall be conducted in accordance with the appropriate provisions listed in 40 CFR Part 60. Stack testing was last conducted for PE on August 20, 2013 and stack testing was last conducted on June 20-21, 2013 for NOx and CO.

ii. Emission testing when employing RAP in excess of 50% but not to exceed 75% shall be conducted within 60 days after the increase in RAP to demonstrate compliance with the allowable mass emissions rate of OC. The test shall be conducted while this emissions unit is operating at or near its maximum capacity while employing RAP in excess of 50%, unless otherwise specified or approved by the appropriate Ohio EPA District Office of Local air agency.

iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) and opacity limitation:

PE (filterable only), Methods 1-5 of 40 CFR Part 60, Appendix A.

20% Opacity, Method 9 of 40 CFR Part 60, Appendix A.

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

CO, Methods 1-4 and 10 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, 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:

OC emissions shall not exceed 0.26 pound per ton of asphalt produced;

SO_2 emissions shall not exceed 0.10 pound per ton of asphalt produced;

Applicable Compliance Method:

The permittee conducted stack testing demonstrating compliance with the OC pound per ton and SO2 pound per ton limitations on August 20, 2013.

If required, the permittee shall demonstrate compliance with the pound per ton of asphalt limitations by conducting emission testing in accordance with the following methods:

SO_2, Methods 1-4 and 6 or 6C of 40 CFR, Part 60, Appendix A

OC, Methods 1-4 and 18, 25 or 25A, as applicable, of 40 CFR Part 60, Appendix A

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

c. Emission Limitation:

PE from this emissions unit (stack and fugitive) shall not exceed 9.04 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 pound of PE per ton of asphalt produced, by the actual rolling, 12 month summation of asphalt production, (as derived from the records required by d)(3) above) and dividing by 2,000.

ii. For the emissions from cold aggregate, sand and RAP loading, and the cold aggregate, sand and RAP transfer operations, compliance shall be assumed based upon the following worst case calculations:

Fugitives emissions from the cold end are calculated as follows [AP-42-5th Edition, Table 11.12-2 (6/06)]

Aggregate/RAP transfer: (5 transfer points, includes cold bin loading)

250,000 tons of aggregate/RAP per year X 0.0069 lb PE per ton of aggregate/RAP X 5 points = 8625 lbs PE per year

Sand transfer: (3 transfer points, includes cold bin loading)

250,000 tons of sand per year X 0.0021 lb PE/ton of sand X 3 points = 1575 lbs PE/year

The sum of the above is 10200 lbs PE/yr X 1 ton/2000 lbs X 90% control efficiency for inherent moisture = 0.51 ton of PE

iii. For the emissions from silo filling and asphalt load out, compliance shall be assumed based upon the following worst case calculations:

Asphalt plant silo filling and plant load out emissions from AP-42, Table 11.1-14 dated 3/2004

Known:

V = -0.5 Asphalt volatility factor (default)

T = 325 HMA mix temp (F) (default)

Activity	Pollutant	Predictive Emission Factor Equation, lb/ton
Silo filling	PE	$EF=0.000332+0.00105(-V)e^{((0.0251)(T+460)-20.43)}$
Load out	PE	$EF=0.000181+0.00141(-V)e^{((0.0251)(T+460)-20.43)}$

Based on the above information, the emission factors and emissions are as follows:

Activity	Pollutant	lb/ton	tons/yr (at 500,000 tons/yr production)
Silo filling	PE	5.86×10^{-4}	0.15
Load out	PE	5.22×10^{-4}	0.13

d. Emission Limitation:

OC emissions from this emissions unit (stack and fugitive) shall not exceed 68.97 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 OC emissions from the stack, multiply the observed stack emission rate from the most recent emission test, in pound of OC per ton of asphalt produced, by the actual rolling 12 month summation of asphalt production, (as derived from the records required by d)(3) above) and dividing by 2,000.

ii. For the emissions from asphalt load out and silo filling, compliance shall be assumed based upon the following worst case calculations:

Asphalt plant silo filling and plant load out emissions from AP-42, Table 11.1-14 dated 3/2004

Known:

V = -0.5 Asphalt volatility factor (default)

T = 325 HMA mix temp (F) (default)

Activity	Pollutant	Predictive Emission Factor Equation, lb/ton
Silo filling	OC	$EF= [0.0504(-V)e^{((0.0251)(T+460)-20.43)}] \times (1-0.014)$
Load out	OC	$EF= [0.0172(-V)e^{((0.0251)(T+460)-20.43)}] \times (1-0.073)$

Based on the above information, the emission factors and emissions are as follows:

Activity	Pollutant	lb/ton	tons/yr (at 500,000 tons/yr production)
Silo filling	OC	1.20×10^{-2}	3.00
Load out	OC	3.86×10^{-3}	0.97

e. Emission Limitation:

CO emissions from this emissions unit (stack and fugitive) shall not exceed 38.14 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 CO emissions from the stack, 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 production, (as derived from the records required by d)(3) above) and dividing by 2,000.

ii. For the emissions from asphalt load out and silo filling, compliance shall be assumed based upon the following worst case calculations:

Asphalt plant silo filling and plant load out emissions from AP-42, Table 11.1-14 dated 3/2004

Known:

V = -0.5 Asphalt volatility factor (default)

T = 325 HMA mix temp (F) (default)

Activity	Pollutant	Predictive Emission Factor Equation, lb/ton
Silo filling	CO	$EF=0.00488(-V)e^{((0.0251)(T+460)-20.43)}$
Load out	CO	$EF=0.00558(-V)e^{((0.0251)(T+460)-20.43)}$

Based on the above information, the emission factors and emissions are as follows:

Activity	Pollutant	lb/ton	tons/yr (at 500,000 tons/yr production)
Silo filling	CO	1.18×10^{-3}	0.30
Load out	CO	1.35×10^{-3}	0.34

f. Emission Limitation:

SO_2 emissions shall not exceed 25.00 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of SO_2 per ton of asphalt produced, by the actual rolling, 12-month summation of asphalt produced, in tons per rolling, 12-month period [as derived from the records required by term and condition d)(3) above], and dividing by 2000.

g. Emission Limitation:

NOx emissions shall not exceed 18.75 tons per rolling, 12-month period.

Applicable Compliance Method:

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

h. Emission Limitation:

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

Applicable Compliance Method:

Visible particulate emissions shall be determined according to USEPA Method 9 of 40 CFR Part 60, Appendix A. See f)(1)a. above.

i. Emission Limitation:

There shall be no visible emissions of fugitive dust from the enclosures for the rotary drum and the hot mix asphalt elevator.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined in accordance with Test Method 22 of 40 CFR Part 60, Appendix A and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

j. Emission Limitation:
Visible emissions of fugitive dust (from areas other than the enclosures for the rotary drum and the hot mix asphalt elevator) shall be less than or equal to 10 percent opacity, as a 3-minute average.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined in accordance with Test Method 9 of 40 CFR Part 60, Appendix A and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

(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 NOx, O_2, 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 NOx, O_2, 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)). 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 NOx, O_2, 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 NOx, O_2, 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) 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:

rameter	**sults**	
	e Tuning	**st Tuning[2]**
el 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.

me of Official (Printed or Typed):	Title of Official and Phone Number:
nature of Official:	te: