



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

7/11/2013

Diana Jones
MILLER-MASON PAVING CO., INC.
8591 MAD RIVER RD.
HILLSBORO, OH 45133

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0536020113
Permit Number: P0115002
Permit Type: Renewal
County: Highland

Certified Mail

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

Dear Permit Holder:

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

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

How to appeal this permit

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

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

How to save money, reduce pollution and reduce energy consumption

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

How to give us feedback on your permitting experience

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

How to get an electronic copy of your permit

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

If you have any questions, please contact Ohio EPA DAPC, Southwest District Office at (937)285-6357 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



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

Cc: Ohio EPA-SWDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
MILLER-MASON PAVING CO., INC.**

Facility ID:	0536020113
Permit Number:	P0115002
Permit Type:	Renewal
Issued:	7/11/2013
Effective:	7/11/2013
Expiration:	7/11/2018



Division of Air Pollution Control
Permit-to-Install and Operate
for
MILLER-MASON PAVING CO., INC.

Table of Contents

Authorization	1
A. Standard Terms and Conditions	3
1. What does this permit-to-install and operate ("PTIO") allow me to do?.....	4
2. Who is responsible for complying with this permit?	4
3. What records must I keep under this permit?	4
4. What are my permit fees and when do I pay them?.....	4
5. When does my PTIO expire, and when do I need to submit my renewal application?	4
6. What happens to this permit if my project is delayed or I do not install or modify my source?	5
7. What reports must I submit under this permit?	5
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?	5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? ...	5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?	6
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?	6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently?	6
13. Can I transfer this permit to a new owner or operator?.....	7
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?	7
15. What happens if a portion of this permit is determined to be invalid?	7
B. Facility-Wide Terms and Conditions.....	8
C. Emissions Unit Terms and Conditions	10
1. P902, 125 TPH asphalt plant	11



Authorization

Facility ID: 0536020113
Application Number(s): A0048146
Permit Number: P0115002
Permit Description: FEPTIO Renewal permit for 125 TPH asphalt plant (P902), with the maximum annual production rate of 100,000 tons of asphalt, based upon a rolling, 12-month summation of the production rates.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 7/11/2013
Effective Date: 7/11/2013
Expiration Date: 7/11/2018
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

MILLER-MASON PAVING CO., INC.
8591 Mad River Rd
Hillsboro, OH 45133

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, Southwest District Office
401 East Fifth Street
Dayton, OH 45402
(937)285-6357

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


Scott J. Nally
Director



Final Permit-to-Install and Operate
MILLER-MASON PAVING CO., INC.
Permit Number: P0115002
Facility ID: 0536020113
Effective Date: 7/11/2013

Authorization (continued)

Permit Number: P0115002

Permit Description: FEPTIO Renewal permit for 125 TPH asphalt plant (P902), with the maximum annual production rate of 100,000 tons of asphalt, based upon a rolling, 12-month summation of the production rates.

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

Emissions Unit ID:	P902
Company Equipment ID:	125 TPH asphalt plant
Superseded Permit Number:	P0088782
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
MILLER-MASON PAVING CO., INC.
Permit Number: P0115002
Facility ID: 0536020113
Effective Date: 7/11/2013

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. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

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

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



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

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

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

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

7. What reports must I submit under this permit?

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

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

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

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

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

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



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

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

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

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

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

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

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

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ 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 emissions 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.

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).



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
MILLER-MASON PAVING CO., INC.
Permit Number: P0115002
Facility ID: 0536020113
Effective Date: 7/11/2013

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.



Final Permit-to-Install and Operate
MILLER-MASON PAVING CO., INC.
Permit Number: P0115002
Facility ID: 0536020113
Effective Date: 7/11/2013

C. Emissions Unit Terms and Conditions



1. P902, 125 TPH asphalt plant

Operations, Property and/or Equipment Description:

125 TPH asphalt plant (P902)

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. b)(1)g. and d)(6) below.

(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)b.

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) and PTI 05-10076	Stack emissions shall not exceed: 10.63 pounds of particulate emissions (PM); 8.63 pounds of carbon monoxide (CO); 21.25 pounds of nitrogen oxide (NOx); 30 pounds sulfur dioxide (SO ₂); and 5.75 pounds of total organic compounds (TOC). See sections b)(1)b. and b)(2)a. thru b)(2).c. below.
b.	OAC rule 3745-31-05(D) (Synthetic Minor to avoid Title V requirements)	Overall emissions from this operation shall not exceed: 3.5 TPY CO, based upon a rolling, 12-month summation of the monthly emissions,



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		12 TPY SO ₂ , based upon a rolling, 12-month summation of the monthly emissions, 4.3 TPY PM, based upon a rolling, 12-month summation of the monthly emissions, 8.5 TPY NO _x , based upon a rolling, 12-month summation of the monthly emissions, 2.3 TPY TOC, based upon a rolling, 12-month summation of the monthly emissions. See sections c)(2), d)(3), e)(1), and f)(1)a. thru e. below.
c.	40 CFR Part 60 Subpart I	0.04 gr PE/dscf of exhaust gas. Emissions from the baghouse stack shall not exhibit 20% opacity, or greater.
d.	OAC rule 3745-17-11(B)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart I.
e.	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation for the maximum outlet concentration established pursuant to OAC rule 3745-31-05(A).
f.	OAC rule 3745-17-08(B)	Fugitive emissions from the aggregate storage bins and cold aggregate elevator shall not exceed 20 percent opacity, as a 3-minute average.
g.	OAC rule 3745-114-01	Ohio Toxic Rule
h.	OAC rule 3745-18-06	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A).

(2) Additional Terms and Conditions

- a. There shall be no visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.

Compliance with OAC rule 3745-31-05 shall be demonstrated by the use of a baghouse thru the installation, use of hoods, fans, and other equipment to



adequately enclose, contain, capture, vent and control fugitive dust PM emissions and compliance with the limits in term b)(1).

- b. The following conditions apply to the baghouse stack:
 - i. Particulate emissions for this source shall not exceed 0.04 grain per dry standard cubic foot of exhaust gases; and
 - ii. Visible particulate emissions from the stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
- c. The following conditions apply to the aggregate storage bins and cold aggregate elevator:
 - i. 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 elevator loading area;
 - ii. The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer;
 - iii. Fugitive dust emissions shall not exceed 20 percent opacity, as a 3-minute average.

c) Operational Restrictions

- (1) To ensure the baghouse is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, a pressure drop across the baghouse of not less than 2 inches water column or greater than 6 inches water column shall be maintained at all times.
- (2) The maximum annual production rate for this emissions unit shall not exceed 100,000 tons of asphalt, based upon a rolling, 12-month summation of the production rates.
- (3) The permittee shall operate and maintain the fuel burner in accordance with the manufacturer's recommendations to ensure efficient combustion of the fuel(s) and to ensure compliance with the applicable emission limitations for CO and NOx.
- (4) The permittee shall only burn only virgin low sulfur No. 2 fuel oil fuels, containing less than 0.5% sulfur by weight.
- (5) The burning of hazardous waste is prohibited without first complying with all applicable state and federal hazardous waste and air regulations and permits.
- (6) The permittee may substitute recycled asphalt pavement (RAP) aggregates in the raw material feed mix in amounts not to exceed 50% of all aggregate materials introduced, based on a monthly average of all aggregate material.



d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
- (2) For each day during which the permittee burns a fuel other than No. 2 Fuel Oil the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (3) The permittee shall maintain monthly records of the following information:
 - a. The asphalt production rate for each month, in tons.
 - b. The 12-month rolling summation of asphalt production calculated by adding the current month's asphalt production to the asphalt production for the preceding eleven calendar months.
 - c. The 12-month rolling summation of PM, NO_x, SO₂, CO, and TOC emissions.
 - d. The total amount of aggregate used in the raw material feed mix.
 - e. The amount of RAP used in the raw material feed mix.
 - f. The average percentage of RAP used (e. divided by d. multiplied by 100).
- (4) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for the following:
 - a. The date(s) of shipment or delivery.
 - b. The quantity of oil received.
 - c. The heat content, in BTU/gallon.
 - d. The sulfur content, in percent (%) by weight.

A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Director.



- (5) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack, any visible fugitive PE from either the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper or the aggregate storage bins and cold aggregate elevator associated with 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
- (6) 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 a permittee to apply for and obtain a new or modified air pollution permit 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 air pollution permit.
- 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. pressure drop across the baghouse of is less than 2 inches water column or greater than 6 inches water column;
 - ii. production rate for this emissions unit exceed 100,000 tons of asphalt, based upon a rolling, 12-month summation of the production rates; and
 - iii. 12-month rolling summation of PM, NO_x, SO₂, CO, and TOC emissions.
 - iv. the sulfur content fuel exceeds 0.5% sulfur by weight.
 - v. the percent of the amount of RAP listed in c)(6).



- 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).

- (2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- (3) The permittee shall submit semiannual written reports that identify:
 - a. all days during which any visible particulate emissions were observed from the stack serving this emissions unit;
 - b. all days during which any visible emissions of fugitive dust were observed from the egress points of the hot aggregate elevator and vibrating screens associated with this emissions unit; and
 - c. any corrective actions taken to minimize or eliminate the visible particulate emissions from the stack and/or visible emissions of fugitive dust.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

- (4) The permittee shall submit semiannual written reports that identify:
 - a. all days during which any visible emissions of fugitive dust were observed from the aggregate storage bins and cold aggregate elevator of this emissions unit; and
 - b. any corrective actions taken to eliminate the visible emissions.

These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.



- (5) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA e-Business Center: Air Services by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve months for each air contaminant source identified in this permit.

f) Testing Requirements

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

a. Emission Limitation

10.63 lbs/hr and 4.3 TPY PM, based upon a rolling, 12-month summation of the monthly emissions

The above limitations are based on the following equations:

$$E = EF \times P$$

Where:

E = Emissions in pounds per hr

EF = emission factor = 0.085 lb/ton (AP-42 11.1, 1-95)

P = production rate in tons per hour

$$E_{12} = (EF \times AAPR)/2000$$

Where:

E₁₂ = emissions in tons per rolling 12-month period

EF = emission factor = 0.085 lb/ton (AP-42 11.1, 1-95)

AAPR = actual asphalt production rate, in tons for the last rolling 12-month period

Applicable Compliance Method

Compliance shall be assumed based on the recordkeeping in section d) of this permit. If required the permittee shall demonstrate compliance with the above hourly limitation using Method 5, 40 CFR Part 60, Appendix A.

b. Emission Limitation

8.63 lbs CO/hr and 3.5 TPY CO, based upon a rolling, 12-month summation of the monthly emissions



The above limitations are based on the following equations:

$$E = EF * P$$

Where:

E = Emissions in pounds per hr

EF = emission factor = 0.069 lb/ton (AP-42 11.1, 1-95)

P = production rate in tons per hour

$$E12 = (EF * AAPR)/2000$$

Where:

E12 = emissions in tons per rolling 12-month period

EF = emission factor = 0.069 lb/ton (AP-42 11.1, 1-95)

AAPR = actual asphalt production rate, in tons for the last rolling 12-month period.

Applicable Compliance Method

Compliance shall be assumed based on the recordkeeping in section d) of this permit. If required the permittee shall demonstrate compliance with the above hourly limitation using Method 10, 40 CFR Part 60, Appendix A.

c. Emission Limitation

21.25 lbsNOx/hr and 8.5 TPY NOx, based upon a rolling, 12-month summation of the monthly emissions

The above limitations are based on the following equations:

$$E = EF * P$$

Where:

E = Emissions in pounds per hr

EF = emission factor = 0.17 lb/ton (AP-42 11.1, 1-95)

P = production rate in tons per hour

$$E12 = (EF * AAPR)/2000$$

Where:

E12 = emissions in tons per rolling 12-month period



EF = emission factor = 0.17 lb/ton (AP-42 11.1, 1-95)

AAPR = actual asphalt production rate, in tons for the last rolling 12-month period.

Applicable Compliance Method

Compliance shall be assumed based on the recordkeeping in section d) of this permit. If required the permittee shall demonstrate compliance with the above hourly limitation using Method 7, 40 CFR Part 60, Appendix A.

d. **Emission Limitation**

30 lbs SO₂/hr and 12 TPY SO₂, based upon a rolling, 12-month summation of the monthly emissions,

The above limitations are based on the following equations:

$$E = EF * P$$

Where:

E=Emissions in pounds per hr

EF = emission factor = 0.24 lb/ton (AP-42 11.1, 1-95)

P = production rate in tons per hour

$$E_{12} = (EF * AAPR)/2000$$

Where:

E₁₂ = emissions in tons per rolling 12-month period

EF = emission factor = 0.24 lb/ton (AP-42 11.1, 1-95)

AAPR = actual asphalt production rate, in tons for the last rolling 12-month period.

Applicable Compliance Method

Compliance shall be assumed based on the recordkeeping in section d) of this permit. If required the permittee shall demonstrate compliance with the above hourly limitation using Method 6, 40 CFR Part 60, Appendix A.

e. **Emission Limitation**

5.75 lbs TOC/hr and 2.3 TPY TOC, based upon a rolling, 12-month summation of the monthly emissions



The above limitations are based on the following equations:

$$E = EF * P$$

Where:

E = Emissions in pounds per hr

EF = emission factor = 0.046 lb/ton (AP-42 11.1, 1-95)

P = production rate in tons per hour

$$E12 = (EF * AAPR)/2000$$

Where:

E12 = emissions in tons per rolling 12-month period

EF = emission factor = 0.046 lb/ton (AP-42 11.1, 1-95)

AAPR = actual asphalt production rate, in tons for the last rolling 12-month period.

Applicable Compliance Method

Compliance shall be assumed based on the recordkeeping in section d) of this permit. If required the permittee shall demonstrate compliance with the above hourly limitation using Method 25, 40 CFR Part 60, Appendix A.

f. Emission Limitation:

Opacity limits

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 9, as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such appendix existed on July 1, 1996, and the modifications listed in OAC rule 3745-17-03.

g. Emission Limitation:

There shall be no visible emissions of fugitive dust from the aggregate storage bins and cold aggregate elevator of this emissions unit.

Applicable Compliance Method:

Compliance with the visible emissions limitation for the fugitive dust identified in this permit shall be determined in accordance with U.S. EPA Method 22.



h. Emission Limitation:

0.04 gr/dscf.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 5, 40 CFR Part 60, Appendix A.

(2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 1 year of the prior to the expiration of this permit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable PE limitations from the baghouse that is controlling this emissions unit.
- c. The following test methods shall be employed to demonstrate compliance mass emission limitations rate of 0.04 gr PE/dscf of exhaust gas from the baghouse stack limitation:

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

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

- d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
 - e. 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).
 - f. 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.



Final Permit-to-Install and Operate
MILLER-MASON PAVING CO., INC.
Permit Number: P0115002
Facility ID: 0536020113
Effective Date: 7/11/2013

- g. 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.

g) Miscellaneous Requirements

- (1) None.