

Synthetic Minor Determination and/or **Netting Determination**

Permit To Install **05-10076**

A. Source Description

This is a standard asphalt concrete production plant rated at 125 tons per hour, controlled by a baghouse.

B. Facility Emissions and Attainment Status

This facility is located in Highland County, a location in attainment status for all criteria pollutants.

C. Source Emissions

The source's emissions are limited by the federally enforceable limitation on total asphalt concrete production of 100,000 tons per rolling 12-month period. Emission factors for the permit are all taken directly from AP-42, (Chapter 11.1, January 1995).

D. Conclusion

At the present moment, no final issued permit exists for this emissions unit. Therefore, there are no avenues for enforcement should any problems be discovered or reported by Miller-Mason Paving. This permit-to-install is recommended to be issued final so that Ohio EPA has an enforceable document to guide our interactions with Miller-Mason. The terms and conditions herein should remain as is for no other reason than the simple fact that Miller-Mason Paving has been operating under the permit for over a year under the good faith assumption that this was their final permit. In the absence of any documentation justifying Ohio EPA's failure to issue this permit in final form, fairness dictates that any change to the contents of this permit wait until issuance of the unit's PTO or a revised PTI, should Miller-Mason so apply.



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

**RE: DRAFT PERMIT TO INSTALL
HIGHLAND COUNTY
Application No: 05-10076**

CERTIFIED MAIL

DATE: 8/3/2004

	TOXIC REVIEW
	PSD
Y	SYNTHETIC MINOR
	CEMS
	MACT
I	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

Miller-Mason Paving
Diana M. Jones
8591 Mad River Road
Hillsboro, OH 45133

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$200** will be due. Please do not submit any payment now.

The Ohio EPA is urging 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 Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

SWDO

KY

IN

HIGHLAND COUNTY

PUBLIC NOTICE

ISSUANCE OF DRAFT PERMIT TO INSTALL **05-10076** FOR AN AIR CONTAMINANT SOURCE FOR **MILLER-MASON PAVING**

On 8/3/2004 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Miller-Mason Paving**, located at **8591 Mad River Road, Hillsboro, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 05-10076:

One 125 Ton Per Hour Asphalt Plant.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Phil Hinrichs, Ohio EPA, Southwest District Office, 401 East Fifth Street, Dayton, OH 45402-2911 [(937)285-6357]



Permit To Install

Issue Date: To be entered upon final issuance

Terms and Conditions

Effective Date: To be entered upon final issuance

DRAFT PERMIT TO INSTALL 05-10076

Application Number: 05-10076

APS Premise Number: 0536020113

Permit Fee: **To be entered upon final issuance**

Name of Facility: Miller-Mason Paving

Person to Contact: Diana M. Jones

Address: 8591 Mad River Road
Hillsboro, OH 45133

Location of proposed air contaminant source(s) [emissions unit(s)]:

**8591 Mad River Road
Hillsboro, Ohio**

Description of proposed emissions unit(s):

One 125 Ton Per Hour Asphalt Plant.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may

be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

Issued: To be entered upon final issuance

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	3.05
CO	17
NOx	8.5
SO2	12
TOC	2.3

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P902 - 125 TPH asphalt plant (P902) (a) Rotary dryer, hot aggregate elevator, vibrating screens, and weigh hopper	OAC rule 3745-31-05(A)	7.63 lbs PM/hr 42.5 lbs CO/hr 21.25 lbs NOx/hr 30 lbs SO2/hr 5.75 lbs TOC/hr 0% opacity fugitive emissions
	OAC rule 3745-31-05(C) Synthetic Minor to avoid Title V requirements	17 TPY CO, based upon a rolling 12-month summation of the monthly emissions 12 TPY SO2, based upon a rolling 12-month summation of the monthly emissions 3.05 TPY PM, based upon a rolling 12-month summation of the monthly emissions 8.5 TPY NOx, 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 100,000 ton production limit, based

		upon a rolling 12-month summation of the monthly emissions
	40 CFR Part 60, Subpart I	0.04 gr/dscf, 20% opacity 6-minute average stack emissions
	3745-17-11	Less stringent than OAC rule 3745-31-05
	3745-17-07	Less stringent than OAC rule 3745-31-05
	3745-17-08	See A.2.a. below
(b)	aggregate storage bins and cold aggregate elevator	20% opacity, 3-minute average
	3745-17-07	
	3745-17-08	See A.2.d. below

2. Additional Terms and Conditions

- 2.a** There shall be no visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper.
- 2.b** Compliance with OAC rule 3745-31-05 shall be demonstrated by the use of a baghouse through 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 A.1.
- 2.c** The following conditions apply to the rotary dryer, hot aggregate elevator, vibrating screens and weigh hopper:
 - 1. Particulate emissions for this source shall not exceed 0.04 grain per dry standard cubic foot of exhaust gases.
 - 2. Visible particulate emissions from the stack shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.
- 2.d** The following conditions apply to the aggregate storage bins and cold aggregate elevator:
 - 1. 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.
 - 2. 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.

3. Fugitive dust emissions shall not exceed 20 percent opacity, as a 3-minute average.

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

Month	Maximum Allowable Cumulative Production (tons)
1	11,111 tons
1-2	22,222 tons
1-3	33,333 tons
1-4	44,444 tons
1-5	55,555 tons
1-6	66,666 tons
1-7	77,777 tons
1-8	88,888 tons
1-9	99,999 tons
1-10	100,000 tons
1-11	100,000 tons
1-12	100,000 tons

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual production rate limitation shall be based on a rolling, 12-month summation of the production rates.

3. Permittee shall burn only virgin No. 2 fuel oil in this emissions unit.
4. The burning of hazardous waste is prohibited without first complying with all applicable state and federal hazardous waste and air regulations and permits.
5. The permittee shall only burn low sulfur fuels, containing less than 0.5% sulfur by weight, in this emissions unit.

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.

C. 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). The permittee shall record the pressure drop across the baghouse on a once per day basis.
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. For the first 12 calendar months following the startup of emissions unit P902, the cumulative asphalt production calculated by adding the current month's asphalt production to the asphalt production for each calendar month since the startup of emissions unit P902.
 - c. Beginning after the first 12 calendar months following the startup of the emissions unit P902, 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.
 - 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 maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.
 - a. Alternative 1: For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the permittee's or oil supplier's analyses for items a - 1 above. A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.
 - b. Alternative 2: The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, and the permittee's analyses for items a - 1 above.
6. 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 and any visible fugitive PE from 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.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. All periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section B.1.
 - b. All exceedances of the 12-month rolling production rate limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative production levels.
 - c. All exceedances of sulfur content fuel restriction specified in Section B.5.

These reports shall due by the dates specified in Part I - General Terms and Conditions of this permit under Section A.2.

2. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than No. 2 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 deviation (excursion) reports which identify any exceedance of the 50 percent RAP content limitation specified in Section B.6. The notification shall be sent to the Portsmouth Local Air Agency within 30 days after the exceedance occurs.
4. The permittee shall submit semiannual written reports that include the following:
 - a. An identification of all days during which any visible PE or fugitive PE were observed from the stack and the aggregate storage bins and cold aggregate elevator associated with this emissions unit.
 - b. A description of any corrective actions taken to eliminate the visible particulate emissions.

These reports shall be submitted to the Ohio EPA, Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

5. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);

- b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. Actual start-up date (within 15 days after such date); and
- d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P. O. Box 163669
Columbus, Ohio 43216-3669

and

Ohio EPA - Southwest District Office
Attn: DAPC
401 East Fifth Street
Dayton, OH 45402-2911

E. Testing Requirements

- 1. Compliance with the emissions limitations in Section A of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
7.63 lbs PM/hr, 3.05 TPY PM, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using Methods 1-5, 40 CFR Part 60, appendix A. The permittee may calculate actual PM emission rates for the unit utilizing the following equation:

$$E = EF * P$$

Where:

E = Emissions in pounds per hour

EF = emission factor = 0.061 lb/ton (AP-42 11.1, 1-95)

P = production rate in tons per hour

$$E_{12} = (EF * A APR) \div 2000 \text{ lbs/ton}$$

Where:

E_{12} = Emissions in tons per rolling 12-month period

EF = emission factor = 0.061 lb/ton (AP-42 11.1, 1-95)

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

b. Emission Limitation:

42.5 lbs CO/hr

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 10, 40 CFR Part 60, appendix A. The permittee may calculate actual CO emission rates for the unit utilizing the following equation:

$$E = EF * P$$

Where:

E = Emissions in pounds per hour

EF = emission factor = 0.34 lb/ton (AP-42 11.1, 1-95)

P = production rate in tons per hour

c. Emission Limitation:

21.25 lbs NO_x/hr, 8.5 TPY NO_x, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 7, 40 CFR Part 60, appendix A. The permittee may calculate actual NO_x emission rates for the unit utilizing the following equation:

$$E = EF * P$$

Where:

E = Emissions in pounds per hour

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

P = production rate in tons per hour

$$E_{12} = (EF * AAPR) \div 2000 \text{ lbs/ton}$$

Where:

E_{12} = 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

- d. Emission Limitation:
30 lbs SO₂/hr

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 6, 40 CFR Part 60, appendix A. The permittee may calculate actual SO₂ emission rates for the unit utilizing the following equation:

$$E = EF * P$$

Where:

E = Emissions in pounds per hour

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

P = production rate in tons per hour

- e. Emission Limitation:
5.75 lbs TOC/hr, 2.3 TPY TOC, based upon a rolling, 12-month summation of the monthly emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 25, 40 CFR Part 60, appendix A. The permittee may calculate actual CO emission rates for the unit utilizing the following equation:

$$E = EF * P$$

Where:

E = Emissions in pounds per hour

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

P = production rate in tons per hour

$$E_{12} = (EF * AAPR) \div 2000 \text{ lbs/ton}$$

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

- f. Emission Limitation:
0% opacity

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:
17 TPY CO based upon a rolling 12-month summation of the monthly emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 10, 40 CFR Part 60, appendix A. The permittee may calculate actual CO emission rates for the unit utilizing the following equation:

$$E_{12} = (EF * AAPR) \div 2000 \text{ lbs/ton}$$

Where:

E_{12} = Emissions in tons per rolling 12-month period

EF = emission factor = 0.34 lb/ton (AP-42 11.1, 1-95)

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

- h. Emission Limitation:
12 TPY SO₂ based upon a rolling 12-month summation of the monthly emissions

Applicable Compliance Method:

If required, compliance shall be demonstrated using Method 6, 40 CFR Part 60, appendix A. The permittee may calculate actual CO emission rates for the unit utilizing the following equation:

$$E_{12} = (EF * AAPR) \div 2000 \text{ lbs/ton}$$

Where:

E_{12} = 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

- i. 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.

- j. Emission Limitation:
0.04 gr/dscf

Applicable Compliance Method:

Compliance will be demonstrated using Method 5, 40 CFR Part 60, appendix A.

F. Miscellaneous Requirements

None.