



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: FINAL PERMIT TO INSTALL MODIFICATION

CERTIFIED MAIL

HAMILTON COUNTY

Application No: 14-03748

Fac ID: 1431330089

DATE: 12/14/2004

Barrett Paving Materials
Dan Gennero
7374 Main Street
Cincinnati, OH 45244

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

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

cc: USEPA

HCDES



FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-03748

Application Number: 14-03748
Facility ID: 1431330089
Permit Fee: **\$0**
Name of Facility: Barrett Paving Materials
Person to Contact: Dan Gennero
Address: 7374 Main Street
Cincinnati, OH 45244

Location of proposed air contaminant source(s) [emissions unit(s)]:
12075 Hamilton Pike
Cincinnati, Ohio

Description of proposed emissions unit(s):
300 TPH Asphalt Batch Plant.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 emissions unit(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 | 10.4 |
| PM10 | 6.7 |
| PM Fugitive | 13.6 |
| PM10 Fugitive | 12.3 |
| VOC | 8.91 |
| SO2 | 21.8 |
| NOx | 29.7 |
| CO | 99.0 |

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> |
|---|--------------------------------------|--|
| P901 - 300 TPH Batch Hot Mix Asphalt Plant - Modification | OAC rule 3745-31-05(A)(3) | <p>Particulate emissions (PE) from the stack shall not exceed 12.6 pounds per hour when burning gas or oil.</p> <p>PE from fugitive emissions shall not exceed 16.5 pounds per hour.</p> <p>Particulate emissions less than 10 microns (PM-10) from the stack shall not exceed 8.1 pounds per hour when burning gas or oil.</p> <p>Particulate fugitive emissions less than 10 microns (PM-10) shall not exceed 14.9 pounds per hour.</p> <p>Volatile Organic Compound (VOC) emissions shall not exceed 2.5 pounds per hour when burning gas, numbers 2 and 4 oil.</p> <p>Volatile Organic Compound (VOC) emissions shall not exceed 10.8 pounds per hour when burning number 6 oil.</p> <p>Sulfur dioxide (SO₂) emissions shall not exceed 1.4 pounds per hour when burning gas.</p> |

OAC rule 3745-31-05(C)

Sulfur dioxide (SO₂) emissions shall not exceed 26.4 pounds per hour when burning oil.

Nitrogen oxide (NO_x) emissions shall not exceed 7.5 pounds per hour when burning gas.

Nitrogen oxide (NO_x) emissions shall not exceed 36.0 pounds per hour when burning oil.

Carbon monoxide (CO) emissions shall not exceed 120.0 pounds per hour when burning gas or oil.

See terms and conditions A.2.b - A.2.f, A.2.i, B.3 and B.5.

The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C), OAC rule 3745-21-08(B), OAC rule 3745-23-06(B) and 40 CFR Part 60 Subpart I.

Particulate emissions (PE) from the stack shall not exceed 10.4 tons per year.

PE from fugitive emissions shall not exceed 13.6 tons per year.

Particulate emissions less than 10 microns (PM-10) from the stack shall not exceed 6.7 tons per year.

Particulate fugitive emissions less than 10 microns (PM-10) shall not exceed 12.3 tons per year.

Volatile Organic Compound (VOC) emissions shall not exceed 8.91 tons per year.

| | |
|---------------------------|---|
| | <p>Sulfur dioxide (SO₂) emissions shall not exceed 21.8 tons per year.</p> <p>Nitrogen oxide (NO_x) emissions shall not exceed 29.7 tons per year.</p> <p>Carbon monoxide (CO) emissions shall not exceed 99.0 tons per year, based on a rolling 12-month summation.</p> <p>See terms and conditions B.2</p> |
| OAC rule 3745-17-07(A)(1) | <p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3.)</p> <p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3.)</p> |
| OAC rule 3745-17-11(B)(1) | <p>See term and condition A.2.k</p> |
| OAC rule 3745-21-08(B) | <p>See term and condition A.2.1</p> |
| OAC rule 3745-23-06(B) | <p>Particulate emissions (PE) shall not exceed 0.04 grain per dry standard cubic foot of exhaust gases.</p> |
| 40 CFR Part 60 Subpart I | |

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by compliance with the emissions limitations, production limitation and use of a baghouse.
- 2.b** Visible particulate emissions from any stack shall not exceed 10 percent opacity, as a six-minute average, except as specified by rule.
- 2.c** Fugitive visible particulate emissions from any part of this emissions unit shall not exceed 20 percent opacity, as a three-minute average, except as specified by rule.

- 2.d** Use of adequate enclosures and sufficient draft to minimize or eliminate visible emissions of fugitive dust from the hot aggregate elevator, vibrating screens, and weigh hopper.
- 2.e** 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.f** 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.
- 2.g** 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.
- 2.h** The hourly emission limitations outlined in term and condition A.1. are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits.
- 2.i** All recycled, used oil burned in this emissions unit shall meet the following specifications:

| <u>Contaminant/Property</u> | <u>Allowable Specifications</u> |
|-----------------------------|---------------------------------|
| arsenic | 5 ppm, maximum |
| cadmium | 2 ppm, maximum |
| chromium | 10 ppm, maximum |
| lead | 100 ppm, maximum |
| PCBs | 10 ppm, maximum* |
| total halogens | 4000 ppm maximum |
| mercury | 1 ppm, maximum |
| flash point | 100°F, minimum |
| heat content | 135,000 Btu/gallon, minimum |
| sulfur content | 0.50% |

* If the permittee is burning used oil with any quantifiable level (2ppm) of PCBs, then the permittee is subject to the notification requirements of 40 CFR 279.62.

- 2.j** Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR Part 266.40(c) and OAC rule 3745-279. Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 Part CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of

Solid and Hazardous Waste Management that the used oil does not contain any hazardous waste.

- 2.k** The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08 by committing to comply with the best available technology requirements established in Permit to Install 14-03748.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

- 2.l** The permittee shall satisfy the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by complying with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

B. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within a range of 2 inches of water to 5 inches of water while the emissions unit is in operation.
2. The maximum annual asphalt production rate for this emissions unit shall not exceed 495,000 tons per year based upon a rolling, 12-month summation of the production rates.

The permittee shall comply with the rolling 12-month production limitation immediately upon startup under this permit based on past records of monthly production.

3. The use of recycled asphalt product (RAP) shall be limited to 50 percent for surface, base, and intermediate mixes.
4. The permittee may not receive or burn any used oil which does not meet the specifications listed in this permit without first obtaining a permit to install that authorizes the burning of such used oil.
5. The permittee may not receive or burn any #2 fuel oil and/or used oil which has a sulfur content greater than 0.50 percent.
6. The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the process employing the used oil as fuel, or of any storage tanks at this facility. Additionally, this

facility shall provide a plan for documenting that the used oil does not contain any hazardous waste as specified under 40 CFR Parts 261 and 279.

The facility shall notify the USEPA and the Ohio EPA that the used oil being burned exceeds used oil specifications. Before this facility accepts the first shipment of off-specification used oil from a marketer, this facility must provide the marketer a one-time written and signed notice certifying that:

- a. the facility has notified USEPA of its used oil management activities and the notice included the location and description of those activities; and
- b. the facility will burn the used oil only in an industrial furnace or boiler identified in accordance with 40 CFR Part 279.

A copy of each certification notice that this facility sends to a marketer must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from that marketer. The facility shall also submit a copy of each certification notice to the appropriate Ohio EPA District Office.

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 once per shift.
2. The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:
 - a. date of shipment or delivery,
 - b. quantity of used oil received (gallons),
 - c. the Btu value of the used oil (Btu/gallon),
 - d. the flash point of the used oil (°F),
 - e. the arsenic content (ppm),
 - f. the cadmium content (ppm),
 - g. the chromium content (ppm),
 - h. the lead content (ppm),
 - i. the PCB content (ppm),
 - j. the total halogen content (ppm),
 - k. the mercury content (ppm), and
 - l. the sulfur content (%).

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request. The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the dryer.

3. The permittee shall maintain monthly records of the following information:
 - a. The asphalt production rate, in tons for each month.
 - b. The rolling, 12-month summation of the asphalt production rates, in tons.
 - c. the maximum percentage RAP used for any mix.
4. For each shipment of #2 fuel 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 sulfur content and heat content.
5. The permittee shall maintain monthly records of the following information for this emissions unit in order to monitor compliance with the rolling, 12-month summation emission limitations:
 - a. the total emissions, in tons, for PE, PM10, NO_x, CO, VOC and SO₂ for each month; and
 - b. the updated rolling, 12-month summation emissions total, in tons, for PE, PM10, NO_x, CO, VOC and SO₂ (the total amount of emissions for the current month plus the total amount of emissions for the previous eleven calendar months).

The permittee has existing records to demonstrate compliance with the limitations in A.1. upon permit issuance.

6. The permit to install for this emissions unit (P901) was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model.) The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Ground-Level Concentration (MAGLC.)

The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Nitrous oxide

TLV (ug/m3): 90,020

Maximum Hourly Emission Rate (lbs/hr): 36.0

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 179

MAGLC (ug/m3): 2143

Physical changes to or in the method of operation of the emissions unit after it's installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled: and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) is(are) defined as a modification under other provisions of the modification definition, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will satisfy the Air Toxic Policy:"

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of it's evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

- c. when the computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit pressure drop excursion reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in term and condition B.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the used oil specifications found in OAC 3745-279-11 or term A.2.i. If the permittee is burning used oil which exceeds the specifications found in OAC 3745-279-11, the permittee is subject to that rule and must comply with all provisions of that rule. The required notification shall be submitted within 30 days of the date in which the exceedance occurred.
4. The permittee shall submit deviation (excursion) reports that identify all exceedances of:
 - a. the rolling, 12-month production rate limitation in term and condition B.2;
 - b. the RAP content limit in term and condition B.3; and
 - c. the rolling 12-month emission limitation for PE, PM10, NO_x, CO, VOC and SO₂ in term and condition A.1.
5. The permittee shall submit annual reports which specify the total PM, PM 10, SO₂, NO_x, VOC and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
6. The permittee shall submit quarterly deviation reports that identify all exceedances of the sulfur content limit in term and condition A.2.i and B.5.

E. Testing Requirements

1. Compliance with the emissions limitations in terms and conditions A.1 and A.2 shall be determined in accordance with the following methods:
 - a. Emission Limitation:
 - 36.0 lbs NO_x/hr (oil)
 - 7.5 lbs NO_x/hr (gas)
 - 26.4 lbs SO₂/hr (oil)
 - 1.4 lbs SO₂/hr (gas)

10.8 lbs VOC/hr (number 6 oil)
2.5 lbs VOC/hr (gas, numbers 2 and 4 fuel oil)
12.6 lbs PE/hr(stack)
8.1 lbs PM10/hr(stack)
16.5 lbs/hr of PE (fugitive)
14.9 lbs/hr of PM10 (fugitive)
120.0 lbs CO/hr

Applicable Compliance Method:

Compliance with the short term emission limitation shall be determined by multiplying the maximum production of 300 Tons/hour by the emission factors from AP-42 Tables 11.1-1, 11.1-5 and 11.1-6 (03/04)*:

NO_x emissions = 0.12 lb/ton produced (oil)
NO_x emissions = 0.025 lb/ton produced (gas)
SO₂ emissions = 0.088 lb/ton produced (oil)
SO₂ emissions = 0.0046 lb/ton produced (gas)
VOC emissions = 0.036 lb/ton produced (number 6oil)
VOC emissions = 0.0082 lb/ton produced (gas, numbers 2 and 4 oil)
PE emissions = 0.042 lb/ton produced
PM10 emissions = 0.027 lb/ton produced
CO emissions = 0.40 lb/ton produced

* The emission factors outlined above represent worst case usage of #2, #4, or #6 fuel oil. When calculating emissions from the combustion of natural gas, compliance shall be determined by using the natural gas emission factors found in AP-42 Tables 11.1-1, 11.1-5 and 11.1-6 (03/04). When calculating fugitive emissions, compliance shall be determined by using RACM 2.21-1 for unloading and AP-42 11.19.2-2 for conveying. A control efficiency of 50% was used for watering.

b. Emission Limitation:

99.0 TPY CO
29.7 TPY NO_x
21.8 TPY SO₂
8.91 TPY VOC
10.4 TPY PE stack
6.7 TPY PM10 stack
13.6 TPY PE, fugitive
12.3 TPY PM10, fugitive

Applicable Compliance Method:

Compliance with the annual emission limitations shall be determined by multiplying the annual production rate from term B.2. by the emission factors from AP-42 Tables 11.1-1, 11.1-5 and 11.1-6 (03/04). The permittee shall calculate the PE and PM10 emission rates using emission factors from AP-42 Table 11.1-1. The permittee shall calculate the fugitive PE and PM10 emission rates using emission factors from AP-42 Table 11.19.2-2 for conveying and RACM 2.21-1 for unloading. The permittee shall calculate the CO, SO2 and NOX emission rates using emission factors from AP-42 Table 11.1-5. The permittee shall calculate the VOC emission rates using emission factors from AP-42 Table 11.1-6. Compliance with the annual fugitive emission limitations shall be determined by multiplying the annual production rate from term and condition B.2. by the emission factors from the Ohio EPA Reasonably Available Control Measures manual.

c. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 10 percent opacity, as a six-minute average, except as specified by rule.

Fugitive visible particulate emissions from any part of this emissions unit shall not exceed 20 percent opacity, as a three-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance with the visible particulate emissions limitations in term and condition A.2 shall be demonstrated by using Method 9, 40 CFR Part 60 Subpart 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 180 days after issuance of this permit when burning natural gas. Emission testing for when burning oil shall be conducted within 180 days of firing oil in this emissions unit
- b. The emission testing shall be conducted to demonstrate compliance with the allowable CO, VOC and NOx emission rates when burning natural gas. The emission testing shall be conducted to demonstrate compliance with the allowable PE, VOC, CO and NOx emission rates when burning oil.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 25 or 25A for VOC, Method 10 for CO, Method 7 for NOx, and Method 5 for PE. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency.

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s).

Failure to submit such notification for review and approval prior to the test(s) may result in the 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.

3. Compliance with the annual asphalt production limit in term and condition B.2 and the RAP content limitation in term and condition B.3 shall be demonstrated by the record keeping in term and condition C.3.
4. Compliance with the fabric filter pressure drop limitation in term and condition B.1 shall be demonstrated by the record keeping in term and condition C.1.
5. Compliance with used oil limitations in term and condition A.2.i shall be determined by the record keeping in term and condition C.2.
6. Compliance with oil sulfur content limitation in term and condition B.5 shall be determined by the record keeping in term and conditions C.2 and C.4.

Barrett Paving Materials

PTI Application: 14-03748

Modification Issued: 12/14/2004

Facility ID: 1431330089

Emissions Unit ID: P901

F. Miscellaneous Requirements

1. The terms and conditions listed in this permit to install shall supercede all the air pollution control requirements for this emissions unit contained in permit to install 14-03748 as issued on August 9, 1995.
2. The following terms and conditions of this permit are federally enforceable: A., B., C.1 through C.5., D and E.