State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL MODIFICATION **CERTIFIED MAIL**
MONTGOMERY COUNTY

Street Address:
122 S. Front Street

Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 08-04544
Fac ID: 0857043250
DATE: 2/2/2006

Barrett Paving Materals 171
Jim Meckstroth
P O Box 13591
Dayton, OH 45413-0591

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

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

CC: USEPA **RAPCA**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install **Issue Date: 2/2/2006**
Terms and Conditions **Effective Date: 2/2/2006**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 08-04544

Application Number:	08-04544
Facility ID:	0857043250
Permit Fee:	**$625**
Name of Facility:	Barrett Paving Materals 171
Person to Contact:	Jim Meckstroth
Address:	P O Box 13591 Dayton, OH 45413-0591

Location of proposed air contaminant source(s) [emissions unit(s)]:
12220 Kirkwood Rd
Sidney, **Ohio**

Description of proposed emissions unit(s):
Administrative modification for the purpose of lowering the annual production limit from 600,000 TPY to 300,000 TPY.

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

Joseph P. Koncelik

Director

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

Pollutant	Tons Per Year
Particulate emissions	4.2
Sulfur dioxides	42.3
Nitrogen dioxides	16.5
Carbon monoxide	39.0

Organic compounds	18.0	

Emissions Unit ID: **P901**

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.

Operations, Property, and/or Equipment
P901 - 400 TPH Portable Asphalt Plant, drum mix, rotary dryer, controlled with a baghouse
* Modification
Aggregate Storage Bins, Cold Aggregate Elevators, Plant Silo and Load-out

Applicable Rules/Requirements		
OAC rule 3745-31-05(A)(3)		
	NSPS 40 CFR Part 60, Subpart I	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)
	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	
	OAC rule 3745-18-06(E)(2)	
OAC rule 3754-35-07(B) (synthetic minor to avoid Title V)	OAC rule 3745-31-05(A)(3)	

Applicable Emissions Limitations/Control Measures

The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart I and OAC rule 3745-35-07.

The carbon monoxide (CO) emissions from this emissions unit shall not exceed 52.0 lbs/hr.

The sulfur dioxide (SO2) emissions from this emissions unit shall not exceed 112.8 lbs/hr.

The nitrogen oxides (NOx) emissions from this emissions unit shall not exceed 22.0 lbs/hr and 16.5 TPY.

The organic compound (OC) emissions from this emissions unit shall not exceed 17.6 lbs/hr.

The particulate emissions (PE) from this emissions unit shall not exceed 4.2 TPY.

The CO emissions from this emissions unit shall not exceed 39.0 TPY.

The SO2 emissions from this emissions unit shall not exceed 42.3 TPY.

The OC emissions from this emissions unit shall not exceed 18.0 TPY.

The ton/yr limitations above are based upon rolling, 12-month summations.

See A.2.d.

PE shall not exceed 0.04 grain per dry standard cubic foot of exhaust gases.

Visible PE shall not exceed 20 percent opacity, as a 6-minute average, from the stack, except, as provided by 40 CFR Part 60.11.

The mass/visible emission limitations specified by these rules are less stringent than the mass/visible emission limitations specified in 40 CFR Part 60, Subpart I.

The emission limitation specified by this rule is less stringent than the emission limitation specified by OAC rule 3745-18-06(H) (i.e., 40 CFR, Part 60 Subpart I).

The OC emissions shall not exceed 6.4 lbs/hr and 4.8 TPY.

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.

The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize or eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer.

Visible PE from any fugitive dust sources shall not exceed 20 percent opacity, as a 3 - minute average.

See A.2. e.

2. Additional Terms and Conditions

2.a The 112.8 lbs/hr of SO_2, 17.6 lbs/hr of OC from the plant and 6.4 lbs/hr from the silo and load-out, 22.0 lbs/hr of NO_x, and 52.0 lbs/hr of CO emissions limitations were established for PTI purposes to reflect the potentials to emit for this emissions unit. Therefore, it is not necessary to develop additional monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.

2.b This emissions unit has been approved for the use of recycled asphalt products.

2.c The PE limitation specified above includes particulate matter (PM_{10}) emissions that are less than 10 microns in diameter.

2.d The permittee has accepted to limit production to avoid Title V permitting.

2.e This facility is not located within the areas identified in "Appendix A" of OAC rule 3745-17-08 (it is located in the city of Sidney in Montgomery County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit.

This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 300,000 tons, based upon a rolling, 12-month summation. Since this is an existing emissions unit, the applicant has existing production records and shall use them to determine compliance upon startup under this permit.

2. The pressure drop across the baghouse shall be maintained within the range of 2.5 to 5.5 inches of water when the emissions unit is in operation.

3. Specifications for the Used Oil Burned in the Dryer

All recycled, used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Specification*
arsenic	5 ppm, maximum

cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	100 ppm, maximum
PCBs	50 ppm, maximum**
total halogens	4000 ppm maximum***
mercury	1 ppm, maximum
flash point	100 degrees Fahrenheit, minimum
heat content	135,000 Btu/gallon, minimum

* Some or all of these used oil specifications exceed the Resource Conservation & Recovery Act Standards of 40 CFR Part 266.40 and OAC rule 3745-58-50, thereby, making the used oil off-specification..

** If the permittee is burning used oil with any quantifiable level 2ppm < 50 ppm of PCBs, then the permittee is subject to any applicable requirements found under 40 CFR part 279., subparts G and H and 40 CFR 761.20(e).

*** Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR 279.10(b)(1)(ii) and OAC rule 3745-279- 10(B)(1)(b). Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the used oil supplier has demonstrated the used oil does not contain any hazardous waste pursuant to OAC rule 3745-279-63.

4. The permittee shall combust, in this emissions unit, #2 fuel oil with no more than 0.5% sulfur content, by weight, or used on-spec oil with no more than 0.5% sulfur content, by weight.

C. Monitoring and/or Record keeping Requirements

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

a. The total quantity of asphalt produced, in tons.

b. The rolling, 12-month asphalt production rate, in tons.

2. The permittee shall properly, operate, and maintain equipment to monitor the pressure drop across the baghouse when 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 daily basis.

3. 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. The date of shipment or delivery.
b. The quantity of used oil received.
c. The Btu value of the used oil, in BTU/gallon.
d. The flash point of the used oil, in degrees F.
e. The arsenic content, in ppm.
f. The cadmium content, in ppm.
g. The chromium content, in ppm.
h. The lead content, in ppm.
i. The PCB content, in ppm.
j. The total halogen content, in ppm.
k. The mercury content, in ppm.

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 EPS 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.

4. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack and for any visible fugitive particulate emissions from the hot aggregate elevator, vibrating screens, weigh hopper, aggregate storage bins and cold aggregate elevator serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. The location and color of the emissions;

b. Whether the emissions are representative of normal operations;

c. If the emissions are not representative of normal operations, the cause of the abnormal emissions;

d. The total duration of any visible emission incident; and

e. Any corrective actions taken to minimize or eliminate the abnormal visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate visible emissions.

5. The permittee may, upon receipt of written approval from RAPCA, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements.

6. The permit to install for this emissions unit was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Heptane

TLV (ug/m^3): 1,639,264

Maximum Hourly Emission Rate (lbs/hr): 3.73

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 4.32

MAGLC (ug/m^3): 39,030

Physical changes to or changes in the method of operation of the emissions unit after its 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 applying the "Air Toxic Policy" include the following:

a. Changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");

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.)

7. 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) meet(s) the definition of a "modification" under other provisions of the rule, 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 still 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 the evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where 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.

8. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analysis for sulfur content in accordance with the following ASTM Methods: ASTM Method D4294, ASTM Method D240, or ASTM Method 6010 for sulfur content. Alternative, equivalent methods may be used upon written approval by the Canton local air agency. 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 or may be represented by a single batch analysis from the supplier.

For each shipment of oil received for burning in this emissions unit, permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Director (RAPCA) which identify all exceedances of the rolling, 12-month asphalt production limitation of 300,000 tons.

2. The permittee shall notify the USEPA and the the Director (RAPCA) if any of the used oil exceeded the used oil specifications established in Section B.3 of this permit . An identification number from USEPA shall be obtained prior to the combustion of any used oil.

Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

a. the permittee has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and

b. the permittee will burn the used oil only in an industrial furnace or boiler

identified in 40 CFR Part 266.41(b) and OAC rule 3745-279-42.

A copy of each certification notice that the permittee 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.

3. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

4. The permittee shall submit annual reports that summarize the actual annual asphalt production rate and the actual annual total PM, OC, NO_x, SO_2 and CO emission rates for this emissions units. These reports shall be submitted by January 31 of each year to the Director (RAPCA) and shall cover the previous calendar year.

5. The permittee shall submit semiannual written) reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit, (b) identify all days during which any visible fugitive particulate emissions were observed from the hot aggregate elevator, vibrating screens, weigh hopper, aggregate storage bins and cold aggregate elevator serving this emissions unit, and (c) describe any corrective actions taken to minimize or eliminate the visible particulate emissions and/or the visible fugitive particulate emissions. These reports shall be submitted to the Director (RAPCA) by January 31 and July 31 of each year and shall cover the previous 6-month period.

6. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the allowable sulfur content limitation of 0.5%, by weight, for the oil combusted in this emissions unit.

7. The quarterly deviation reports shall be submitted in accordance with the General terms and Conditions of this permit.

E. Testing Requirements

1. <u>Compliance Methods</u>

Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation -
PE shall not exceed 0.04 gr/dscf of exhaust gases.

Applicable Compliance Method -
Compliance with the allowable gr PE/dscf limitation shall be based on the results of emission testing conducted in accordance with USEPA Reference Methods 1 - 5, of 40 CFR Part 60, Appendix A.

b. Emission Limitation -
4.2 TPY PE

Applicable Compliance Method - .

Compliance with the annual allowable PE limitation may be determined based on multiplying the monthly asphalt production rate, from section C.1 of this permit, by the emission factor of 0.0014 lb PE/ton of asphalt produced (AP-42, Section 11.1: Hot Mix Asphalt Plants, Table 11.1-3, revised 12/00), and then summing the 12 monthly PE results for the calendar year, and then dividing by 2000 lbs/ton.

c. Emission Limitation -
112.8 lb/hr SO_2

Applicable Compliance Method -

Compliance with the hourly allowable SO_2 emission limitation shall be based on the results of emission testing conducted in accordance with USEPA Reference Methods 1 - 4 and 6 of 40 CFR Part 60, Appendix A.

Compliance with the hourly allowable SO_2 emission limitation may also be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of 0.282 lb SO_2/ton of asphalt production (based on the results of the emission testing conducted 8/3/04) A

d. Emission Limitation -
42.3 TPY SO_2, based on a rolling, 12-month period

Applicable Compliance Method -
Compliance with the annual SO2 emission limitation above shall be based on multiplying the rolling, 12-month production rate, from Section C.1 of this permit, by the emission factor of 0.282 lb SO_2/ton of asphalt production (based on the results of the emission testing conducted on 8/3/04), and then dividing by 2,000 lbs/ton.

e. Emission Limitation -
17.6 lbs/hr OC from the plant

Applicable Compliance Method -
Compliance with the hourly allowable OC emission limitation shall be based on the results of emission testing conducted in accordance with USEPA Reference Methods 1 - 4 and 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A.

Compliance with the hourly allowable OC emission limitation may also be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of 0.044 lb OC/ton of asphalt production (AP-42, Section 11.1: Hot Mix Asphalt Plants, Table 11.1-8, revised 12/00).

f. Emission Limitation-
6.4 lbs/hr of OC from plant load out and silo filling

Compliance with the hourly allowable OC emission limitation above may be determined by multiplying the maximum hourly production rate of 400

tons/hr by the emission factors of 0.012 lb OC/ton silo filling and 0.004 lb OC/ton plant load out (the emission factors were estimated using default values for silo filling and plant load out and the predictive emission factor equations in USEPA reference document AP-42, 11.1-14 (revised 12/00).

g. Emission Limitation -
18.0 TPY OC from the plant

Applicable Compliance Method -
Compliance with the annual OC emission limitation above shall be based on multiplying the rolling, 12-month production rate, from Section C.1 of this permit, by the emission factor of 0.044 lb OC/ton of asphalt production (AP-42, Section 11.1: Hot Mix Asphalt Plants, Table 11.1-8, revised 12/00), and then dividing by 2,000 lbs/ton.

h. Emission Limitation-
4.8 TPY OC from the plant silo and load-out

Applicable Compliance Method -
Compliance with the annual allowable OC emission limitation above may be determined based on multiplying the monthly asphalt production rate, from section C.1 of this permit, by the emission factors of 0.012 lb OC/ton silo filling and 0.004 lb OC/ton plant load out (the emission factors were estimated using default values for silo filling and plant load out and the predictive emission factor equations in USEPA reference document AP-42, 11.1-14 (revised 12/00)), and then summing the 12 monthly OC results for the calendar year, and then dividing by 2000 lbs/ton.

i. Emission Limitation -
22.0 lbs/hr NO_x

Applicable Compliance Method -
Compliance with the hourly allowable NO_x emission limitation shall be based on the results of emission testing conducted in accordance with USEPA Reference Methods 1 -4 and 7 or 7A (as appropriate), of 40 CFR Part 60, Appendix A.

Compliance with the hourly allowable NO_x emission limitation may also be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of 0.055 lb NO_x/ton of asphalt production (AP-42 ,Section 11.1: Hot Mix Asphalt Plants, Table 11.1-7, revised 12/00) **.**

j. Emission Limitation -
16.5 TPY NO_x

Applicable Compliance Method -
Compliance with the annual allowable NOx emission limitation may be determined based on multiplying the monthly asphalt production rate, from section C.1 of this permit, by the emission factor of 0.055 lb NO_x/ton of asphalt production (AP-42, Section 11.1: Hot Mix Asphalt Plants, Table 11.1-7, revised

12/00), and then summing the 12 monthly NOx emissions results for the calendar year, and then dividing by 2000 lbs/ton.

k. Emission Limitation -
52.0 lbs/hr CO

Applicable Compliance Method -
Compliance with the hourly allowable CO emission limitation above shall be based on the results of emission testing conducted in accordance with USEPA Reference Methods 1 - 4 and 10, of 40 CFR Part 60, Appendix A.

Compliance with the hourly allowable CO emission limitation above may also be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of 0.13 lb/ton of asphalt production (AP-42, Section 11.1: Hot Mix Asphalt Plants, Table 11.1-7, revised 12/00).

l. Emission Limitation -
39.0 TPY CO

Applicable Compliance Method -
Compliance with the annual CO emission limitation above may be based on multiplying the rolling, 12-month production rate, from Section C.1 of this permit, by the emission factor of 0.13 lb CO/ton of asphalt production (AP-42, Section 11.1: Hot Mix Asphalt Plants, Table 11.1-7, revised 12/00), and then dividing by 2,000 lbs/ton.

m. Emission Limitation -
Visible PE shall not exceed 20 percent opacity, as a 6-minute average (for stack emissions).

Applicable Compliance Method -

Compliance with the allowable VE limitation above shall be determined in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

n. Emission Limitation -
Visible PE shall not exceed 20 percent opacity, as a 3- minute average(for fugitive emissions).

Applicable Compliance Method -

Compliance with the allowable VE limitation above shall be determined in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

2. During the first full production season when this permit is effective, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for PE . The PE test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Methods 1 - 5, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity and using only "virgin aggregate".

During the first full production season when this permit is effective, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for OC . The OC test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Methods 18, 25, or 25A, as appropriate, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity and using only "virgin aggregate".

During the first full production season when this permit is effective, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for CO The CO test(s) shall be conducted in accordance with test methods and procedures specified in "USEPA Reference Methods 1 - 4 and 10, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity and using only "virgin aggregate".

During the first full production season when this permit is effective, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for NOx . The NOx test(s) shall be conducted in accordance with test methods and procedures specified in "USEPA Reference Methods 1 - 4 and 7 or 7A, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity and using only "virgin aggregate".

During the first full production season when this permit is effective, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for SO2 . The SO2 test(s) shall be conducted in accordance with test methods and procedures specified in "USEPA Reference Method 6, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity and using only "virgin aggregate".

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. 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 field office's refusal to accept the results of the emissions test(s).

Personnel from the RAPCA shall be permitted to witness the tests, 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 tests shall be signed by the person or persons responsible for the tests and submitted to the RAPCA 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 RAPCA.

F. Miscellaneous Requirements

1. The terms and conditions of Section A, B, C (except for C.6.), and D are federally enforceable.

2. Terms in this permit supercede those identified in PTI 04-1178 issued 7/31/01 and this modification represents the following increases and decreases in the applicable emissions limitations: PE -26.8 tons/yr (previous permit was TSP), CO 0 tons/yr, NO_x 0 tons/yr, SO_2 +25.3 tons/yr and OC +4.8 tons/yr. PTI 04-01178 was permitted out of Lucas County Ohio and should be withdrawn after the issuance of this PTI.

3. Notice to Relocate a Portable or Mobile Source

a. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

i. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;

ii. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

iii. The applicant has provided proper notice of intent to relocate the portable emissions unit to the RAPCA and the appropriate field office having

jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

iv. In RAPCA's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

i. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

ii. The portable emissions unit is equipped with best available technology;

iii. The portable emission unit owner has identified the proposed site to Ohio EPA;

iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

v. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

vi. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

vii. The portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.

c. Any site approvals issued by the Ohio EPA, pursuant to F.2. above, shall be valid for no longer than three years and are subject to renewal.

In order for the RAPCA and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the RAPCA (117 S. Main Street, Dayton, OH 45422) and the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the RAPCA and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.