

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

Permit To Install **14-05510**

**A. Source Description**

Owens Corning operates an asphalt processing facility in North Bend, in Hamilton County. The facility operates an asphalt loading rack (J001), three asphalt blowing stills (P001, P002 and P003), four asphalt storage tanks (T005, T006, T007 and T008), a paving grade asphalt storage tank (T009), eight oxidized asphalt storage tanks (T010, T011, T012, T013, T014, T015, T016 and T017) and a number of insignificant emission units [10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption)]. Owens Corning is currently a Major Stationary Source pursuant to Title V operating permit requirements for sulfur dioxide and carbon monoxide. Owens Corning proposes to limit the production rate of the blowing stills, in order to be a Synthetic Minor.

**B. Facility Emissions and Attainment Status**

Owens Corning is currently classified as a Major Stationary Source pursuant to Title V operating permit requirements for sulfur dioxide and carbon monoxide. Hamilton County is in attainment for all criteria pollutants, except ozone.

**C. Source Emissions**

Potential emissions of sulfur dioxide from all emissions units are 139.75 tons per year. Limiting the operation of the blowing stills (P001, P002 and P003) will reduce sulfur dioxide emissions by 40.81 tons per year. Therefore, potential emissions of sulfur dioxide are 98.86 tons per year ( $139.75 - 40.81 = 98.94$ ). Limiting the operation of the blowing stills at the facility will also reduce carbon monoxide emissions to below threshold levels that would trigger Major Stationary Source Title V operating permit requirements.

**D. Conclusion**

Owens Corning will become a Synthetic Minor facility by means of limiting operation of the asphalt blowing stills, so that potential sulfur dioxide and carbon monoxide emissions are below Major Stationary Source Title V operating permit requirements threshold levels. Quarterly reports of the operation of the blowing stills (P001, P002 and P003) will be required to monitor compliance. Since allowable emissions are below Major Stationary Source Title V operating permit requirements threshold levels, this facility will be a minor source and no longer subject to Title V operating permit requirements for all criteria pollutants, except ozone.



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  
HAMILTON COUNTY  
Application No: 14-05510**

**DATE:** 3/25/2004

OC Trumbull Asphalt  
Lyndy Lawlor  
10100 Brower Rd  
North Bend, OH 450529760

**CERTIFIED MAIL**

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

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 **\$10250** 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

HCDES

OH-KY-IN Regional Council of Governments

KY

IN

## HAMILTON COUNTY

### PUBLIC NOTICE

#### ISSUANCE OF DRAFT PERMIT TO INSTALL **14-05510** FOR AN AIR CONTAMINANT SOURCE FOR **OC TRUMBULL ASPHALT**

On 3/25/2004 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **OC Trumbull Asphalt**, located at **10100 Brower Rd, North Bend, Ohio**.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 14-05510:

**asphalt loading racks, asphalt blowing stills, asphalt storage tanks.**

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.

Brad Miller, Hamilton County Department of Environmental Services, 250 William Howart Taft Pkwy,  
Cincinnati, OH 45219-2660 [(513)946-7777]



**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 14-05510**

Application Number: 14-05510

APS Premise Number: 1431302438

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

Name of Facility: OC Trumbull Asphalt

Person to Contact: Lyndy Lawlor

Address: 10100 Brower Rd  
North Bend, OH 450529760

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

**10100 Brower Rd  
North Bend, Ohio**

Description of proposed emissions unit(s):

**asphalt loading racks, asphalt blowing stills, asphalt storage tanks.**

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	22.29
PM-10	22.29
SO2	99.0
NOx	12.44
CO	50.0
VOC	44.36
H2S	4.86
Lead	0.014

**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>
J001 - asphalt loading rack with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	0.50 lb/hr PM/PM-10 2.20 ton/yr PM/PM-10 1.05 lbs/hr SO <sub>2</sub> 4.60 tons/yr SO <sub>2</sub> 0.39 lb/hr CO 1.71 tons/yr CO 0.06 lb/hr H <sub>2</sub> S 0.26 ton/yr H <sub>2</sub> S 1.78 lb/hr VOC 7.81 tons/yr VOC.  See term A.2.c  The hourly and annual emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly or annual records are required to demonstrate compliance with these limits.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and OAC rule 3745-35-07(B).
	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six minute average, except as specified by rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the

OAC rule 3745-18-06	emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-35-07(B)	See Term A.2.b.
OAC rule 3745-21-07(G)	Exempt.

**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated use of a fume incinerator (thermal incinerator), opacity limitation and compliance with the specified emission limits.
  
- 2.b** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.
  
- 2.c** This emissions unit shall be controlled with a thermal incinerator with at least a 95% capture efficiency and a 95% destruction efficiency for PM/PM10, VOC, CO and H<sub>2</sub>S.

**B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1375 degrees Fahrenheit.
2. The operating pressure range for the vacuum manifold shall be continuously maintained within a range of 2 to 8 inches of water while the emissions unit is in operation.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1375 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall install, operate and maintain a continuous monitor and recorder which measures the pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold pressure falls below normal operating levels.

3. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.b:
  - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
  - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.
2. The permittee shall submit quarterly deviation (excursion) reports which identify all times during which the pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.b.
4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

**E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.50 lb/hr PM/PM-10, 2.20 tons/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential.

Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

1.05 lb/hr SO<sub>2</sub>, 4.60 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 6 of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.39 lb/hr CO, 1.71 tons/yr CO

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.06 lb/hr H<sub>2</sub>S, 0.26 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

1.78 lbs/hr VOC, 7.81 tons/yr VOC

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.

8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.b shall be demonstrated by the record keeping in term C.3.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.

2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
P001 - asphalt blowing still with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	<p>2.57 lbs/hr PM/PM-10                      11.72 lbs/hr SO<sub>2</sub>                      4.91 lbs/hr CO                      1.79 lbs/hr NO<sub>x</sub>                      0.11 lb/hr H<sub>2</sub>S                      1.56 lbs/hr VOC                      0.002 lb/hr lead</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart UU, OAC rule 3745-23-06 and OAC rule 3745-35-07(B).</p>
	OAC rule 3745-35-07(B)	<p>17.88 tons/yr PM/PM-10*                      81.62 tons/yr SO<sub>2</sub>*                      34.2 tons/yr CO*                      12.44 tons/yr NO<sub>x</sub>*                      0.78 ton/yr H<sub>2</sub>S*                      10.88 tons/yr VOC*                      0.014 ton/yr lead*</p> <p>See terms A.2.d, A.2.f and B.3.</p> <p>*From emissions units P001, P002 and</p>

OAC rule 3745-17-07(A)	P003, combined.  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-18-06	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-21-07(G)	Exempt.
40 CFR Part 60, Subpart UU	0.64 kilograms of particulate /megagram of asphalt charged.  See term A.2.a.
OAC rule 3745-23-06	See term A.2.e.

**2. Additional Terms and Conditions**

- 2.a** Visible particulate emissions from the stack associated with this emissions unit shall not exceed zero percent (0%) opacity.
- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator (thermal incinerator), opacity limitation, operation limitation and compliance with the specified emission limits.
- 2.c** 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.d** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002

(Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

- 2.e** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-23-06 by committing to comply with the best available technology requirements established in Permit to Install 14-05510.
- 2.f** This emissions unit shall be controlled with a thermal incinerator with at least an overall control efficiency of 95% for PM/PM-10, VOC, CO and H<sub>2</sub>S.

## **B. Operational Restrictions**

- 1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1375 degrees Fahrenheit.
- 2. The operating pressure range for the vacuum manifold shall be continuously maintained within a range of 2 to 8 inches of water while the emissions unit is in operation.
- c. The maximum annual asphalt processed in emissions units P001, P002 and P003, combined shall not exceed 155,453 tons per year, based upon a rolling, 12-month summation of the asphalt processed rates.

The permittee has existing records to demonstrate compliance upon issuance of this permit.

## **C. Monitoring and/or Record keeping Requirements**

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1375 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall install, operate and maintain a continuous monitor and recorder which measures the pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.
  3. The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold pressure falls below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
  4. The permittee shall maintain monthly records of the following information for emissions units P001-P003:
    - a. The asphalt processing rate for each month for emissions units P001-P003, combined.
    - b. The rolling, 12-month summation of the asphalt processing rate for emissions units P001-P003, combined.
  5. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.d:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not

comply with the temperature limitation specified in term B.1. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month asphalt processing rate limitation in term B.3.
3. The permittee shall submit quarterly deviation (excursion) reports which identify all times during which the pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.
4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
5. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.d.  
The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

**E. Testing Requirements**

1. 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):

Emission Limitation:

0% opacity for stack emissions

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

2.57 lbs/hr PM/PM-10, 17.88 tons/yr PM/PM-10

**Applicable Compliance Method:**

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the emissions factor and the record keeping in term C.4.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. **Emission Limitation:**

11.72 lb/hr SO<sub>2</sub>, 81.62 tons/yr SO<sub>2</sub>

**Applicable Compliance Method:**

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 6 of 40 CFR Part 60, Appendix A.

4. **Emission Limitation:**

4.91 lb/hr CO, 34.2 tons/yr CO

**Applicable Compliance Method:**

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

1.79 lbs/hr NO<sub>x</sub>, 12.44 tons/yr NO<sub>x</sub>

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the emission factors and the record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 7 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

1.56 lbs/hr VOC, 10.88 tons/yr VOC

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the emission factors and the record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Emission Limitation:

0.11 lb/hr H<sub>2</sub>S, 0.78 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with ton per year limitation shall be determined by the emission factors and the record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

8. Emission Limitation:

0.002 lb/hr lead, 0.014 ton/yr lead

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with ton per year limitation shall be determined by the emissions factors and the record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

9. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.

10. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.d shall be demonstrated by the record keeping in term C.5.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 14-04985 as issued on October 29, 2002.

2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
P002 - asphalt blowing still with fume incinerator	OAC rule 3745-31-05(A)(3)	<p>2.57 lbs/hr PM/PM-10                      11.72 lbs/hr SO<sub>2</sub>                      4.91 lbs/hr CO                      1.79 lbs/hr NO<sub>x</sub>                      0.11 lb/hr H<sub>2</sub>S                      1.56 lbs/hr VOC                      0.002 lb/hr lead</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart UU, OAC rule 3745-23-06 and OAC rule 3745-35-07(B).</p>
	OAC rule 3745-35-07(B)	<p>17.88 tons/yr PM/PM-10*                      81.62 tons/yr SO<sub>2</sub>*                      34.2 tons/yr CO*                      12.44 tons/yr NO<sub>x</sub>*                      0.78 ton/yr H<sub>2</sub>S*                      10.88 tons/yr VOC*                      0.014 ton/yr lead*</p> <p>See terms A.2.d, A.2.f and B.3.</p>

\*From emissions units P001, P002 and

OAC rule 3745-17-07(A)	P003, combined.  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-18-06	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-21-07(G)	Exempt.
40 CFR Part 60, Subpart UU	0.64 kilograms of particulate /megagram of asphalt charged.  See term A.2.a.
OAC rule 3745-23-06	See term A.2.e.

**2. Additional Terms and Conditions**

- 2.a** Visible particulate emissions from the stack associated with this emissions unit shall not exceed zero percent (0%) opacity.
- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator (thermal incinerator), opacity limitation, operation limitation and compliance with the specified emission limits.
- 2.c** 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.d** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002

(Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

- 2.e** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-23-06 by committing to comply with the best available technology requirements established in Permit to Install 14-05510.
- 2.f** This emissions unit shall be controlled with a thermal incinerator with at least an overall control efficiency of 95% for PM/PM10, VOC, CO and H<sub>2</sub>S.

**B. Operational Restrictions**

- 1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1375 degrees Fahrenheit.
- 2. The operating pressure range for the vacuum manifold shall be continuously maintained within a range of 2 to 8 inches of water while the emissions unit is in operation.
- c. The maximum annual asphalt processed in emissions units P001, P002 and P003, combined shall not exceed 155,453 tons per year, based upon a rolling, 12-month summation of the asphalt processed rates.

The permittee has existing records to demonstrate compliance upon issuance of this permit.

**C. Monitoring and/or Record keeping Requirements**

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1375 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall install, operate and maintain a continuous monitor and recorder which measures the pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.
  3. The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold pressure falls below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
  4. The permittee shall maintain monthly records of the following information for emissions units P001-P003:
    - a. The asphalt processing rate for each month for emissions units P001-P003, combined.
    - b. The rolling, 12-month summation of the asphalt processing rate for emissions units P001-P003, combined.
  5. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.d:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not

comply with the temperature limitation specified in term B.1. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month asphalt processing rate limitation in term B.3.
3. The permittee shall submit quarterly deviation (excursion) reports which identify all times during which the pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.
4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
5. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.d.  
The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

**E. Testing Requirements**

1. 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):

Emission Limitation:

0% opacity for stack emissions

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

2.57 lbs/hr PM/PM-10, 17.88 tons/yr PM/PM-10

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the emissions factors and the record keeping in term C.4.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

11.72 lbs/hr SO<sub>2</sub>, 81.62 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 6 of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

4.91 lbs/hr CO, 34.2 tons/yr CO

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

1.79 lbs/hr NO<sub>x</sub>, 12.44 tons/yr NO<sub>x</sub>

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the emission factors and the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 7 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

1.56 lbs/hr VOC, 10.88 tons/yr VOC

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the emission factors and the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Emission Limitation:

0.11 lb/hr H<sub>2</sub>S, 0.78 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the

operational requirements specified in B.1, compliance with the lb/hr emission limitations is ensured.

Compliance with ton per year limitation shall be determined by the emission factors and record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

8. Emission Limitation:

0.002 lb/hr lead, 0.014 ton/yr lead

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr emission limitations is ensured. Compliance with ton per year limitation shall be determined by the emission factors and the record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

9. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.

10. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.d shall be demonstrated by the record keeping in term C.5.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 14-04985 as issued on October 29, 2002.

2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
P003 - asphalt blowing still with fume incinerator	OAC rule 3745-31-05(A)(3)	<p>2.57 lbs/hr PM/PM-10                      11.72 lbs/hr SO<sub>2</sub>                      4.91 lbs/hr CO                      1.79 lbs/hr NO<sub>x</sub>                      0.11 lb/hr H<sub>2</sub>S                      1.56 lbs/hr VOC                      0.002 lb/hr lead</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart UU, OAC rule 3745-23-06 and OAC rule 3745-35-07(B).</p>
	OAC rule 3745-35-07(B)	<p>17.88 tons/yr PM/PM-10*                      81.62 tons/yr SO<sub>2</sub>*                      34.2 tons/yr CO*                      12.44 tons/yr NO<sub>x</sub>*                      0.78 ton/yr H<sub>2</sub>S*                      10.88 tons/yr VOC*                      0.014 ton/yr lead*</p> <p>See terms A.2.d, A.2.f and B.3.</p> <p>*From emissions units P001, P002 and</p>

OAC rule 3745-17-07(A)	P003, combined.  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-18-06	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
OAC rule 3745-21-07(G)	Exempt.
40 CFR Part 60, Subpart UU	0.64 kilograms of particulate /megagram of asphalt charged.  See term A.2.a.
OAC rule 3745-23-06	See term A.2.e.

**2. Additional Terms and Conditions**

- 2.a** Visible particulate emissions from the stack associated with this emissions unit shall not exceed zero percent (0%) opacity.
- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator (thermal incinerator), opacity limitation, operation limitation and compliance with the specified emission limits.
- 2.c** 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.d** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002

(Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

- 2.e** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-23-06 by committing to comply with the best available technology requirements established in Permit to Install 14-05510.
- 2.f** This emissions unit shall be controlled with a thermal incinerator with at least an overall control efficiency of 95% for PM/PM10, VOC, CO and H<sub>2</sub>S.

## **B. Operational Restrictions**

- 1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1375 degrees Fahrenheit.
- 2. The operating pressure range for the vacuum manifold shall be continuously maintained within a range of 2 to 8 inches of water while the emissions unit is in operation.
- c. The maximum annual asphalt processed in emissions units P001, P002 and P003, combined shall not exceed 155,453 tons per year, based upon a rolling, 12-month summation of the asphalt processed rates.

The permittee has existing records to demonstrate compliance upon issuance of this permit.

## **C. Monitoring and/or Record keeping Requirements**

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1375 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall install, operate and maintain a continuous monitor and recorder which measures the pressure in the vacuum manifold while the emissions unit is in operation. The monitoring equipment and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.
  3. The permittee shall maintain monthly records which show the date(s) and time(s) when the vacuum manifold pressure falls below normal operating levels. These records shall be kept on site and be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
  4. The permittee shall maintain monthly records of the following information for emissions units P001-P003:
    - a. The asphalt processing rate for each month for emissions units P001-P003, combined.
    - b. The rolling, 12-month summation of the asphalt processing rate for emissions units P001-P003, combined.
  5. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.d:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not

comply with the temperature limitation specified in term B.1. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any temperature variations identified.

2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month asphalt processing rate limitation in term B.3.
3. The permittee shall submit quarterly deviation (excursion) reports which identify all times during which the pressure in the vacuum manifold exceeded the normal operating range. This report shall contain, as a minimum, the date, time or occurrence, cause, explanation and corrective action taken for any exceedances identified.
4. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
5. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.d.  
The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

## **E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

0% opacity for stack emissions

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

2.57 lbs/hr PM/PM-10, 17.88 tons/yr PM/PM-10

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the emissions factors and the record keeping in term C.4.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

11.72 lbs/hr SO<sub>2</sub>, 81.62 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 6 of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

4.91 lbs/hr CO, 34.2 tons/yr CO

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

1.79 lbs/hr NO<sub>x</sub>, 12.44 tons/yr NO<sub>x</sub>

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the record keeping in term C.5.

If required, compliance shall be determined using the following method:

Method 7 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

1.56 lbs/hr VOC, 10.88 tons/yr VOC

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr emission limitations is ensured. Compliance with tons per year limitation shall be determined by the emissions factors and the record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Emission Limitation:

0.11 lb/hr H<sub>2</sub>S, 0.78 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr emission limitations is ensured. Compliance with ton per year limitation shall be determined by the emissions factors and the record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

8. Emission Limitation:

0.002 lb/hr lead, 0.014 ton/yr lead

Applicable Compliance Method:

The lb/hr emission limitation was based on the emissions unit's potential to emit. The production information used to generate the lb/hr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr emission limitations is ensured. Compliance with ton per year limitation shall be determined by the emissions factors and the record keeping in term C.4.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

9. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.

10. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.d shall be demonstrated by the record keeping in term C.5.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 14-04985 as issued on October 29, 2002.

2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

**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>
T005 - 1,000,000 gallon fixed roof storage tank with fiber bed and carbon filter - Modification	OAC rule 3745-31-05(A)(3)	<p>0.14 lb/hr PM/PM-10,                      0.25 ton/yr PM/PM-10,                      0.13 lb/hr CO, 0.57 ton/yr CO,                      2.53 lb/hr VOC, 4.43 tons/yr VOC,                      0.16 lb/hr H<sub>2</sub>S, 0.70 ton/yr H<sub>2</sub>S.</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B), OAC rule 3745-21-09(L) and OAC rule 3745-17-07(A).</p>
	OAC rule 3745-35-07(B)	See term A.2.c
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

OAC rule 3745-21-09(L)

40 CFR Part 60, Subpart Ka

See terms C.4 and D.4.

Exempt pursuant to 40 CFR 60.115a(d)(1).

**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a carbon filter with a 50% control efficiency, fiber bed filter with a 90% control efficiency, opacity limitation and compliance with the specified emission limits.
- 2.b** 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.c** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**B. Operational Restrictions**

- 1. The permittee shall install, operate, and maintain a fiber bed filter to control particulate emissions, and a carbon filter to control VOC emissions from this emissions unit. The fiber bed filter and carbon filter shall be installed, calibrated, operated, and maintained in accordance with the manufacturer’s recommendations, instructions, and operating manual(s).
- 2. The pressure drop across the fiber bed filter shall be maintained within the range of 0.1 to 5 inches of water while the emissions unit is in operation.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fiber bed filter 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 fiber bed on a daily basis.
2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from this emissions unit, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.c:
  - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
  - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.
4. The permittee shall maintain records of the following:
  - a. The types of petroleum liquids stored in the tank.
  - b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

**D. Reporting Requirements**

1. The permittee shall submit pressure drop quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified in term B.2.
2. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services which identify the dates of inspection and/or replacement of the carbon filters in this emissions unit. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period (January through December).
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule

3745-21-09(L)(1), the permittee shall so notify the Director (the Hamilton County Department of Environmental Services) within 30 days of becoming aware of the occurrence.

5. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.c.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

## **E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.13 lb/hr CO, 0.57 ton/yr CO

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.16 lb/hr H<sub>2</sub>S, 0.70 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

2.53 lbs/hr VOC, 4.43 tons/yr VOC

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

6. Compliance with term B.2 shall be demonstrated by the record keeping in term C.1.
7. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.c shall be demonstrated by the record keeping in term C.3.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

**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>
T006 - 1,000,000 gallon fixed roof storage tank with fiber bed and carbon filter - Modification	OAC rule 3745-31-05(A)(3)	0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10, 0.13 lb/hr CO, 0.57 ton/yr CO, 2.53 lb/hr VOC, 4.43 tons/yr VOC, 0.16 lb/hr H <sub>2</sub> S, 0.70 ton/yr H <sub>2</sub> S.  The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B), OAC rule 3745-21-09(L) and OAC rule 3745-17-07(A).
	OAC rule 3745-35-07(B)	See term A.2.c
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

OAC rule 3745-21-09(L)

40 CFR Part 60, Subpart Ka

See terms C.4 and D.4.

Exempt pursuant to 40 CFR 60.115a(d)(1).

## **2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a carbon filter with a 50% control efficiency, fiber bed filter with a 90% control efficiency, opacity limitation and compliance with the specified emission limits.
- 2.b** 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.c** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

## **B. Operational Restrictions**

- 1. The permittee shall install, operate, and maintain a fiber bed filter to control particulate emissions, and a carbon filter to control VOC emissions from this emissions unit. The fiber bed filter and carbon filter shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
- 2. The pressure drop across the fiber bed filter shall be maintained within the range of 0.1 to 5 inches of water while the emissions unit is in operation.

## **C. Monitoring and/or Record keeping Requirements**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fiber bed filter 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 fiber bed on a daily basis.
2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from this emissions unit, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.c:
  - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
  - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.
4. The permittee shall maintain records of the following:
  - a. The types of petroleum liquids stored in the tank.
  - b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

**D. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified in term B.2.
2. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services which identify the dates of inspection and/or replacement of the carbon filters in this emissions unit. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period (January through December).
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule 3745-21-09(L)(1), the permittee shall so notify the Director (the Hamilton County Department of Environmental Services) within 30 days of becoming aware of the occurrence.

5. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.c.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

## **E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.13 lb/hr CO, 0.57 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.16 lb/hr H<sub>2</sub>S, 0.70 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

2.53 lbs/hr VOC, 4.43 tons/yr VOC

Applicable Compliance Method:

The lbs/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lbs/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

6. Compliance with term B.2 shall be demonstrated by the record keeping in term C.1.

7. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.c shall be demonstrated by the

record keeping in term C.3.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T007 - 1,000,000 gallon fixed roof storage tank with fiber bed and carbon filter - Modification	OAC rule 3745-31-05(A)(3)	0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10, 0.13 lb/hr CO, 0.57 ton/yr CO, 2.53 lb/hr VOC, 4.43 tons/yr VOC, 0.16 lb/hr H <sub>2</sub> S, 0.70 ton/yr H <sub>2</sub> S.  The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B), OAC rule 3745-17-07(A) and OAC rule 3745-21-09(L).
	OAC rule 3745-35-07(B)	See term A.2.c
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-21-09(L)	See terms C.4 and D.4.

40 CFR Part 60, Subpart Ka

Exempt pursuant to 40 CFR 60.115a(d)(1).

## **2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a carbon filter with a 50% control efficiency, fiber bed filter with a 90% control efficiency, opacity limitation and compliance with the specified emission limits.
- 2.b** 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.c** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

## **B. Operational Restrictions**

- 1. The permittee shall install, operate, and maintain a fiber bed filter to control particulate emissions, and a carbon filter to control VOC emissions from this emissions unit. The fiber bed filter and carbon filter shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
- 2. The pressure drop across the fiber bed filter shall be maintained within the range of 0.1 to 5 inches of water while the emissions unit is in operation.

## **C. Monitoring and/or Record keeping Requirements**

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop

across the fiber bed filter 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 fiber bed on a daily basis.

2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from this emissions unit, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.c:
  - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
  - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.
4. The permittee shall maintain records of the following:
  - a. The types of petroleum liquids stored in the tank.
  - b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

#### **D. Reporting Requirements**

1. The permittee shall submit pressure drop quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified in term B.2.
2. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services which identify the dates of inspection and/or replacement of the carbon filters in this emissions unit. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period (January through December).
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule 3745-21-09(L)(1), the permittee shall so notify the Director (the Hamilton County Department of Environmental Services) within 30 days of becoming aware of the occurrence.
5. The permittee shall submit quarterly reports which identify the updated rolling, 12-month

summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.c.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

## **E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.13 lb/hr CO, 0.57 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.16 lb/hr H<sub>2</sub>S, 0.70 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

2.53 lbs/hr VOC, 4.43 tons/yr VOC

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and TPY emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

6. Compliance with term B.2 shall be demonstrated by the record keeping in term C.1.
7. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.c shall be demonstrated by the record keeping in term C.3.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T008 - 1,000,000 gallon fixed roof storage tank with fiber bed and carbon filter - Modification	OAC rule 3745-31-05(A)(3)	0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10, 0.13 lb/hr CO, 0.57 ton/yr CO, 2.53 lb/hr VOC, 4.43 tons/yr VOC, 0.16 lb/hr H <sub>2</sub> S, 0.70 ton/yr H <sub>2</sub> S.  The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B), OAC rule 3745-17-07(A) and OAC rule 3745-21-09(L).
	OAC rule 3745-35-07(B)	See term A.2.c
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
	OAC rule 3745-21-09(L)	See terms C.4 and D.4

40 CFR Part 60, Subpart Ka

Exempt pursuant to 40 CFR 60.115a(d)(1).

## **2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a carbon filter with a 50% control efficiency, fiber bed filter with a 90% control efficiency, opacity limitation and compliance with the specified emission limits.
- 2.b** 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.c** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

## **B. Operational Restrictions**

- 1. The permittee shall install, operate, and maintain a fiber bed filter to control particulate emissions, and a carbon filter to control VOC emissions from this emissions unit. The fiber bed filter and carbon filter shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).
- 2. The pressure drop across the fiber bed filter shall be maintained within the range of 0.1 to 5 inches of water while the emissions unit is in operation.

## **C. Monitoring and/or Record keeping Requirements**

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop

across the fiber bed filter 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 fiber bed on a daily basis.

2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from this emissions unit, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.c:
  - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
  - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.
4. The permittee shall maintain records of the following:
  - a. The types of petroleum liquids stored in the tank.
  - b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

#### **D. Reporting Requirements**

1. The permittee shall submit pressure drop quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified in term B.2.
2. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services which identify the dates of inspection and/or replacement of the carbon filters in this emissions unit. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period (January through December).
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule 3745-21-09(L)(1), the permittee shall so notify the Director (the Hamilton County Department of Environmental Services) within 30 days of becoming aware of the occurrence.
5. The permittee shall submit quarterly reports which identify the updated rolling, 12-month

summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.c.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

**E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and TPY emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.  
For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.13 lb/hr CO, 0.57 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.16 lb/hr H<sub>2</sub>S, 0.70 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

2.53 lbs/hr VOC, 4.43 tons/yr VOC

Applicable Compliance Method:

The lbs/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lbs/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

6. Compliance with term B.2 shall be demonstrated by the record keeping in term C.1.
7. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.c shall be demonstrated by the record keeping in term C.3.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T009 - 5,200,000 gallon fixed roof storage tank with fiber bed and carbon filter - Modification	OAC rule 3745-31-05(A)(3)	0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10, 0.13 lb/hr CO, 0.57 ton/yr CO, 2.53 lb/hr VOC, 4.43 tons/yr VOC, 0.16 lb/hr H <sub>2</sub> S, 0.70 ton/yr H <sub>2</sub> S.  The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B), OAC rule 3745-17-07(A) and OAC rule 3745-21-09(L).
	OAC rule 3745-35-07(B)	See term A.2.c
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

OAC rule 3745-21-09(L)

40 CFR Part 60, Subpart Ka

See terms C.4 and D.4

Exempt pursuant to 40 CFR 60.115a(d)(1).

**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a carbon filter with a 50% control efficiency, fiber bed filter with a 90% control efficiency, opacity limitation and compliance with the specified emission limits.
- 2.b** 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.c** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**B. Operational Restrictions**

- 1. The permittee shall install, operate, and maintain a fiber bed filter to control particulate emissions, and a carbon filter to control VOC emissions from this emissions unit. The fiber bed filter and carbon filter shall be installed, calibrated, operated, and maintained in accordance with the manufacturer’s recommendations, instructions, and operating manual(s).
- 2. The pressure drop across the fiber bed filter shall be maintained within the range of 0.1 to 5 inches of water while the emissions unit is in operation.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fiber bed filter 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 fiber bed on a daily basis.
2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from this emissions unit, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.c:
  - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
  - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.
4. The permittee shall maintain records of the following:
  - a. The types of petroleum liquids stored in the tank.
  - b. The maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

**D. Reporting Requirements**

1. The permittee shall submit pressure drop quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the fiber bed filter did not comply with the allowable range specified in term B.2.
2. The permittee shall submit annual reports to the Hamilton County Department of Environmental Services which identify the dates of inspection and/or replacement of the carbon filters in this emissions unit. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period (January through December).
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

4. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with OAC rule 3745-21-09(L)(1), the permittee shall so notify the Director (the Hamilton County Department of Environmental Services) within 30 days of becoming aware of the occurrence.
5. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.c.  
The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

**E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.14 lb/hr PM/PM-10, 0.25 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.13 lb/hr CO, 0.57 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.16 lb/hr H<sub>2</sub>S, 0.70 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

2.53 lbs/hr VOC, 4.43 tons/yr VOC

Applicable Compliance Method:

The lbs/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lbs/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lbs/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

6. Compliance with term B.2 shall be demonstrated by the record keeping in term C.1.
7. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.c shall be demonstrated by the record keeping in term C.3.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T010 - 35,000 gallon fixed roof storage tank with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	<p>0.07 lb/hr PM/PM-10,                      0.12 ton/yr PM/PM-10,                      0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>,                      0.10 lb/hr CO, 0.20 ton/yr CO,                      0.25 lb/hr VOC, 0.44 tons/yr VOC,                      0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S.</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE).</p> <p>Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B) and 3745-17-07(A).</p>
	OAC rule 3745-35-07(B)	See term A.2.b
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	<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</p>

OAC rule 3745-18-06

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

Exempt.

OAC rule 3745-21-09(L)(2)(a)

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator with an overall control efficiency of 95%, opacity limitation and compliance with the specified emission limits.

**2.b** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary

by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.b:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.b.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

#### **E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.10 lb/hr CO, 0.20 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.25 lb/hr VOC, 0.44 ton/yr VOC

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.
8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.b shall be demonstrated by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T011 - 35,000 gallon fixed roof storage tank with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10, 0.57 lb/hr SO <sub>2</sub> , 1.58 tons/yr SO <sub>2</sub> , 0.10 lb/hr CO, 0.20 ton/yr CO, 0.25 lb/hr VOC, 0.44 tons/yr VOC, 0.02 lb/hr H <sub>2</sub> S, 0.04 ton/yr H <sub>2</sub> S.
		The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(B) and 3745-17-07(A).
		The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.
	OAC rule 3745-35-07(B)	See term A.2.b
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

OAC rule 3745-18-06

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

Exempt.

OAC rule 3745-21-09(L)(2)(a)

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator with an overall control efficiency of 95%, opacity limitation and compliance with the specified emission limits.

**2.b** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in

accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.b:
- a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
  - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.b.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

#### **E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 60, Appendix M.

3. Emission Limitation:

0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.10 lb/hr CO, 0.20 ton/yr CO

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.25 lb/hr VOC, 0.44 ton/yr VOC

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.
8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.b shall be demonstrated by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T012 - 35,000 gallon fixed roof storage tank with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	<p>0.07 lb/hr PM/PM-10,                      0.12 ton/yr PM/PM-10,                      0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>,                      0.10 lb/hr CO, 0.20 ton/yr CO,                      0.25 lb/hr VOC, 0.44 tons/yr VOC,                      0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S.</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(B) and 3745-17-07(A).</p>
	OAC rule 3745-35-07(B)	See term A.2.b
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	<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</p>

OAC rule 3745-18-06

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

Exempt.

OAC rule 3745-21-09(L)(2)(a)

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator with an overall control efficiency of 95%, opacity limitation and compliance with the specified emission limits.

**2.b** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary

by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.b:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.b.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

#### **E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.10 lb/hr CO, 0.20 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.25 lb/hr VOC, 0.44 ton/yr VOC

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.
8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.b shall be demonstrated by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T013 - 35,000 gallon fixed roof storage tank with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	<p>0.07 lb/hr PM/PM-10,                      0.12 ton/yr PM/PM-10,                      0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>,                      0.10 lb/hr CO, 0.20 ton/yr CO,                      0.25 lb/hr VOC, 0.44 tons/yr VOC,                      0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S.</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-35-07(B).</p>
	OAC rule 3745-35-07(B)	See term A.2.b
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

OAC rule 3745-18-06

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

OAC rule 3745-21-09(L)(2)(a)

Exempt.

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator with an overall control efficiency of 95%, opacity limitation and compliance with the specified emission limits.

**2.b** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and

recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.b:
- a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
  - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.b.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

#### **E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.10 lb/hr CO, 0.20 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.25 lb/hr VOC, 0.44 ton/yr VOC

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.
8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.b shall be demonstrated by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

**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>
T014 - 35,000 gallon fixed roof storage tank with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	<p>0.07 lb/hr PM/PM-10,                      0.12 ton/yr PM/PM-10,                      0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>,                      0.10 lb/hr CO, 0.20 ton/yr CO,                      0.25 lb/hr VOC, 0.44 tons/yr VOC,                      0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S.</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-35-07(B).</p>
	OAC rule 3745-35-07(B)	See term A.2.b
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	<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</p>

OAC rule 3745-18-06

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

Exempt.

OAC rule 3745-21-09(L)(2)(a)

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator with a control efficiency of 95%, opacity limitation and compliance with the specified emission limits.

**2.b** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and

recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.b:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

#### **D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.b.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

#### **E. Testing Requirements**

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

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.10 lb/hr CO, 0.20 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.25 lb/hr VOC, 0.44 ton/yr VOC

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.
8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.b shall be demonstrated by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T015 - 50,000 gallon fixed roof storage tank with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	<p>0.07 lb/hr PM/PM-10,                      0.12 ton/yr PM/PM-10,                      0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>,                      0.10 lb/hr CO, 0.20 ton/yr CO,                      0.25 lb/hr VOC, 0.44 tons/yr VOC,                      0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S.</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(B), 3745-17-07(A) and 3745-21-09(L).</p>
	OAC rule 3745-35-07(B)	See term A.2.c
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

OAC rule 3745-18-06

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

OAC rule 3745-21-09(L)

See term A.2.d

40 CFR Part 60, Subpart Ka

Emissions controls in compliance with 40 CFR 60.112a(a).

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator with an overall control efficiency of 95%, opacity limitation and compliance with the specified emission limits.

**2.b** 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.c** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**2.d** This emissions unit shall be controlled with a thermal incinerator(fume incinerator) with at least a 95% overall control efficiency for PM/PM10, VOC, CO and H<sub>2</sub>S.

**B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time

when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit, such that VOC emissions are reduced by at least 95 percent by weight.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.c:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.c.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall

cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

**E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.10 lb/hr CO, 0.20 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.25 lb/hr VOC, 0.44 ton/yr VOC

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.

8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.c shall be demonstrated by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.

2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

- 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>
T016 - 100,000 gallon fixed roof storage tank with fume incinerator- <b>Modification</b>	OAC rule 3745-31-05(A)(3)	<p>0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10, 0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>, 0.10 lb/hr CO, 0.20 ton/yr CO, 0.25 lb/hr VOC, 0.44 tons/yr VOC, 0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S.</p> <p>The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.</p> <p>The requirements of this rule also include compliance with the requirements of OAC rules 3745-35-07(B), 3745-17-07(A) and 3745-21-09(L).</p>
	OAC rule 3745-35-07(B)	See term A.2.c
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

OAC rule 3745-18-06

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

See term A.2.d

OAC rule 3745-21-09(L)

Emissions controls in compliance with 40 CFR 60.112a(a).

40CFR Part 60, Subpart Ka

**2. Additional Terms and Conditions**

**2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator with an overall control efficiency of 95%, opacity limitation and compliance with the specified emission limits.

**2.b** 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.c** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.

**2.d** This emissions unit shall be controlled with a thermal incinerator(fume incinerator) with at least a 95% overall control efficiency for PM/PM10, VOC, CO and H<sub>2</sub>S.

**B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time

when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit, such that VOC emissions are reduced by at least 95 percent by weight.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.c:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.b.

The reports shall be submitted to the Director (the Hamilton County Department of Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall

cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

**E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.10 lb/hr CO, 0.20 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.25 lb/hr VOC, 0.44 ton/yr VOC

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.

8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.c shall be demonstrated by the record keeping in term C.2.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.

2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.

**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>
T017 - 100,000 gallon fixed roof storage tank with fume incinerator - Modification	OAC rule 3745-31-05(A)(3)	0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10, 0.57 lb/hr SO <sub>2</sub> , 1.58 tons/yr SO <sub>2</sub> , 0.10 lb/hr CO, 0.20 ton/yr CO, 0.25 lb/hr VOC, 0.44 tons/yr VOC, 0.02 lb/hr H <sub>2</sub> S, 0.04 ton/yr H <sub>2</sub> S.  The hourly emission limitation(s) outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B), 3745-17-07(A)(1) and OAC rule 3745-21-09(L).
	OAC rule 3745-35-07(B)	See term A.2.c
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).

OAC rule 3745-18-06

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

OAC rule 3745-21-09(L)

See term A.2.d

40 CFR Part 60, Subpart Ka

Emissions controls in compliance with 40 CFR 60.112a(a).

## **2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a fume incinerator, opacity limitation and compliance with the specified emission limits.
- 2.b** 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.c** The total allowable emissions of Sulfur Dioxide (SO<sub>2</sub>) and Carbon Monoxide (CO) from emissions units J001 (2 Asphalt Loading Racks), P001 (Asphalt Blowing Still #9), P002 (Asphalt Blowing Still #10), P003 (Asphalt Blowing Still #11), T005 (1,000,000 gallon Asphalt Flux Storage Tank #1), T006 (1,000,000 gallon Asphalt Flux Storage Tank #2), T007 (1,000,000 gallon Asphalt Flux Storage Tank #3), T008 (1,000,000 gallon Asphalt Flux Storage Tank #4), T009 (5,200,000 gallon Paving Grade Asphalt Storage Tank #7), T010 (35,000 gallon Finished Asphalt Storage Tank #12), T011 (35,000 gallon Finished Asphalt Storage Tank #13), T012 (35,000 gallon Finished Asphalt Storage Tank #14), T013 (35,000 gallon Finished Asphalt Storage Tank #15), T014 (35,000 gallon Finished Asphalt Storage Tank #16), T015 (50,000 gallon Finished Asphalt Storage Tank #17), T016 (50,000 gallon Finished Asphalt Storage Tank #18), T017 (50,000 gallon Finished Asphalt Storage Tank #19), 10 MM Btu/hr Fume Incinerator (Control Device), 9.90 MM Btu/hr Natural Gas Fired Hot Oil Heater (Permit to Install Permanent Exemption), 60 kW Emergency Generator (Permit-by-rule Exempt), 2 Pouring Shed Stations (Deminimus), and 4.184 MM Btu/hr Steam Boiler (Permit to Install Permanent Exemption) shall not exceed 99.0 TPY SO<sub>2</sub> and 50.0 TPY CO. Compliance with the above limitations shall be based on a rolling, 12-month summation.
- 2.d** This emissions unit shall be controlled with a thermal incinerator(fume incinerator) with at least a 95% overall control efficiency for PM/PM10, VOC, CO and H<sub>2</sub>S.

## **B. Operational Restrictions**

1. The average combustion temperature within the fume incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1350 degrees Fahrenheit, such that VOC emissions are reduced by at least 95 percent by weight.

**C. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the fume incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day:

- a. All 3-hour blocks of time during which the average combustion temperature within the fume incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.
  - b. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each month for all emissions units listed in term A.2.c:
    - a. The emissions of SO<sub>2</sub> and CO for each month, in tons.
    - b. The updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions, in tons. This shall include the information for the current month and the preceding eleven calendar months.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the fume incinerator does not comply with the temperature limitation specified in term B.1.
2. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit quarterly reports which identify the updated rolling, 12-month summation of SO<sub>2</sub> and CO emissions for each calendar month for all emissions units identified in term A.2.b.

The reports shall be submitted to the Director (the Hamilton County Department of

Environmental Services) by January 31, April 30, July 31 and October 31 of each year and shall cover the previous three calendar months (October through December, January through March, April through June and July through September, respectively).

**E. Testing Requirements**

1. 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):

Emission Limitation:

20% opacity, as a six-minute average

Applicable compliance method:

Compliance shall be determined in accordance with Test 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, 2002, except as provided under OAC rule 3745-17-07(A)(1)(b).

2. Emission Limitation:

0.07 lb/hr PM/PM-10, 0.12 ton/yr PM/PM-10

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following methods:

For PM, Method 5A of 40 CFR Part 60, Appendix A.

For PM-10, Method 201 of 40 CFR Part 51, Appendix M.

3. Emission Limitation:

0.57 lb/hr SO<sub>2</sub>, 1.58 tons/yr SO<sub>2</sub>

Applicable Compliance Method:

The lb/hr and tons/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and tons/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and tons per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.10 lb/hr CO, 0.20 ton/yr CO

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 10 or 10B of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.02 lb/hr H<sub>2</sub>S, 0.04 ton/yr H<sub>2</sub>S

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 15 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.25 lb/hr VOC, 0.44 ton/yr VOC

Applicable Compliance Method:

The lb/hr and ton/yr emission limitations were based on the emissions unit's potential to emit. The production information used to generate the lb/hr and ton/yr emission calculations is confidential. Therefore, no detailed emission calculations can be provided. As long as the permittee is in compliance with the operational requirements specified in B.1, compliance with the lb/hr and ton per year emission limitations is ensured.

If required, compliance shall be determined using the following method:

Method 18 or 25 of 40 CFR Part 60, Appendix A.

7. Compliance with term B.1 shall be demonstrated by the record keeping in term C.1.

8. Compliance with the SO<sub>2</sub> and CO emissions limitation in term A.2.c shall be demonstrated by the record keeping in term C.1.

**F. Miscellaneous Requirements**

1. The terms and conditions listed in this permit to install shall supersede all the air pollution control requirements for this emission unit contained in permit to install 14-04985 as issued on October 29, 2002.
2. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.