



State of Ohio Environmental Protection Agency

**RE: DRAFT PERMIT TO INSTALL CERTIFIED MAIL
HAMILTON COUNTY**

Street Address:

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

Mailing Address:

Lazarus Gov. Center

Application No: 14-04985

DATE: 1/30/2001

OC Trumbull Asphalt
Perry Cendro
10100 Brower Rd
North Bend, OH 45052-9760

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 **\$7750** 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,

Thomas G. Rigo
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA HCDES KY IN OH-KY-IN Reg Coun of Gov



Permit To Install

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Terms and Conditions

DRAFT PERMIT TO INSTALL 14-04985

Application Number: 14-04985
APS Premise Number: 1431302438
Permit Fee: **To be entered upon final issuance**
Name of Facility: OC Trumbull Asphalt
Person to Contact: Perry Cendro
Address: 10100 Brower Rd
North Bend, OH 45052-9760

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

10100 Brower Rd
North Bend, Ohio

Description of proposed emissions unit(s):

asphalt processing plant.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

OC Trumbull Asphalt

Facility ID: 1431302438

PTI Application: 14-04985

Issued: To be entered upon final issuance

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. 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.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written 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. See B.11 below if no deviations occurred during the quarter.

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- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. 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, i.e., upset, 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. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

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A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. 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 request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. 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.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit

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shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

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10. Permit To Operate Application

- 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).
- 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 thirty (30) days after commencing operation of the source(s) covered by this permit.

11. 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.

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B. State Only Enforceable 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 Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable 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 state-only required 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. 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.

4. 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.

5. Termination of Permit To Install

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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.

6. 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 are inadequate 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 prove to be inadequate or cannot meet applicable standards.

7. 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.

8. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

9. Construction Compliance Certification

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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.

10. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

C. 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/PM-10	48.77
SO ₂	172.99
NO _x	21.36
CO	190.93
VOC	46.89
H ₂ S	2.59
lead	0.01

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Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>	OAC rule 3745-18-06(D)
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B002 - 15.7 MMBtu/hr gas/ #6 oil fired boiler	OAC rule 3745-31-05(A)(3)	
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OAC rule 3745-17-07(A)(1)

OAC rule 3745-17-10(C)

OC T1

PTI A

Emissions Unit ID: B002

Issued: To be entered upon final issuance

Applicable Emissions
Limitations/Control
Measures

0.052 lb PM/MMBtu,
3.58 TPY PM
0.032 lb PM-10/MMBtu,
2.22 TPY PM-10
0.52 lb SO₂/MMBtu,
35.99 TPY SO₂
0.37 lb NO_x/MMBtu,
25.2 TPY NO_x
0.0840 lb CO/MMBtu (when
burning natural gas),
5.78 TPY CO
0.0055 lb VOC/MMBtu
(when burning natural gas),
0.38 TPY VOC

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

The requirements of this rule also include compliance with the requirements of 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.

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

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the opacity limitations, fuel oil sulfur content limitation, and compliance with specified emissions limitations.

II. Operational Restrictions

1. The sulfur content of the fuel oil employed in emissions unit B002 shall not exceed 1.0 percent sulfur by weight.

Compliance with the above-mentioned specification shall be determined by using the analytical results provided by the permittee for fuel oil burned in this emissions unit.

III. Monitoring and/or Recordkeeping Requirements

1. For the fuel oil burned in this emissions unit, the permittee shall maintain monthly records of the analyses for sulfur content and heat content, and the calculated SO₂ emission rate [the SO₂ emission rate shall be calculated as specified in OAC 3745-18-04(F)].
2. The permittee shall collect representative grab samples of the fuel oil that is burned in this emissions unit on a daily basis. At the end of each calendar month, all of the grab samples which were collected during that calendar month shall be combined into one composite sample.

Each monthly composite sample of fuel oil shall be analyzed for sulfur content (percent) and heat content (Btu/gallon) in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Hamilton County Department of Environmental Services.

IV. Reporting Requirements

1. The permittee shall submit, on a quarterly basis, copies of the oil analyses for the fuel oil burned in this emissions unit. The reports shall document the results of the analyses for the sulfur content (percent) and heat content (Btu/gallon) of the fuel oil burned.

The reports shall also specify the weighted-average sulfur dioxide emission rate (pounds/MMBtu) of the fuel oil burned during each calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15

Emissions Unit ID: B002

of each year and shall cover the fuel oil burned during the previous calendar quarters.

V. Testing Requirements

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

Emission Limitation:

Emissions limits outlined in Section B.I

Applicable compliance method:

Compliance shall be demonstrated by using the emission factors from USEPA reference document AP-42, fifth edition, Section 1.4, tables 1.4-1 and 1.4-2, natural gas combustion, and Section 1.3, tables 1.3-1 and 1.3-2, fuel oil combustion.

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

Emission Limitation:

20% 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, 1996.

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: B002

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
B002 - 15.7 MMBtu/hr gas/oil fired boiler		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

- 1. None

III. Monitoring and/or Recordkeeping Requirements

- 1. None

IV. Reporting Requirements

- 1. None

V. Testing Requirements

- 1. None

VI. Miscellaneous Requirements

- 1. None

OC T1

PTI A

Emissions Unit ID: J001

Issued: To be entered upon final issuance

<u>Applicable Emissions Limitations/Control Measures</u>	limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.18 lb/hr PM/PM-10, 0.81 ton/yr PM/PM-10, 0.38 lb/hr SO ₂ , 1.68 tons/yr SO ₂ , 0.26 lb/hr CO, 1.15 tons/yr CO, 0.04 lb/hr H ₂ S, 0.18 ton/yr H ₂ S, 0.66 lb/hr VOC, 2.87 tons/yr VOC.	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
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.	Exempt
The requirements of this rule also include compliance with the requirements of 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.	
The emission limitation specified by this rule is less stringent than the emission	

Emissions Unit ID: J001

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated use of a thermal oxidizer, opacity limitation and compliance with the specified emission limits.

II. Operational Restrictions

1. The average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1375 degrees Fahrenheit.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal oxidizer, 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. Normal operating pressure range for the vacuum manifold shall be established after installation and operation of the equipment. 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.

Issued: To be entered upon final issuance

IV. 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 thermal oxidizer does not comply with the temperature limitation specified in term A.II.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 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 deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

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

Emission Limitation:

20% 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, 1996.

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

Emission Limitation:

Emission limits outlined in Section B.I

Applicable compliance method:

OC T1

PTI A

Emissions Unit ID: J001

Issued: To be entered upon final issuance

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. 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 truck loading rack with incinerator		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: P001

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>
P001 - asphalt blowing still with thermal oxidizer	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-18-06
	OAC 3745-21-07(G)
	40 CFR Part 60, Subpart UU
	OAC rule 3745-17-07(A)
	OAC rule 3745-17-11

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PTI A

Emissions Unit ID: P001

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
3.05 lbs/hr PM/PM-10, 13.35 tons/yr PM/PM-10, 11.58 lbs/hr SO ₂ , 50.73 tons/yr SO ₂ , 14.22 lbs/hr CO, 62.30 tons/yr CO, 1.63 lbs/hr NO _x , 7.12 tons/yr NO _x , 0.10 lb/hr H ₂ S, 0.45 ton/yr H ₂ S, 1.22 lbs/hr VOC, 5.34 tons/yr VOC, 0.001 lb/hr lead, 0.03 ton/yr lead.	Exempt 0.64 kilograms of particulate /megagram of asphalt charged. See term A.I.2.a
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU.	
The emission limitation specified by this rule is less stringent than the 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).	

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Visible particulate emissions from the stack associated with emissions unit P001 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 thermal oxidizer, opacity 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.

II. Operational Restrictions

- 1. The average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1375 degrees Fahrenheit.
- 2. Normal operating pressure range for the vacuum manifold shall be established after installation and operation of the equipment. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

III. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal oxidizer, when the emissions unit was in operation, was less than 1375 degrees

Emissions Unit ID: P001

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 also operate and maintain a continuous monitor and recorder which measures and records the blowing stills' manifold pressure.
3. The temperature monitor and recorder and the pressure monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
4. 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.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.
2. The permittee shall submit quarterly reports to the Hamilton County Department of Environmental Services which shall contain as a minimum, the date, time, cause and corrective action taken for any pressure variations below normal operating levels. This report shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall address the data obtained during previous calendar quarters (October through December, January through March, April through June, and July through September, respectively).
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

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Emissions Unit ID: P001

Issued: To be entered upon final issuance

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 60 days after achieving maximum production after the modification but no later than 180 days after the modification.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates, sulfur dioxide and carbon monoxide.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates: for particulates, Methods 5 of 40 CFR Part 60, Appendix A ; for carbon monoxide, Method 10 of 40 CFR Part 60, Appendix A; for sulfur dioxide, Method 6 of 40 CFR Part 60, Appendix A.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to

Emissions Unit ID: P001

Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services' refusal to accept the results of the emission test(s).

2. Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s).

3. Compliance with the emission limitation(s) in Section A.I 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, 1996.

4. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

5. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

VI. Miscellaneous Requirements

None

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Emissions Unit ID: P001

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
P001 - asphalt blowing still with thermal oxidizer		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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PTI A

**Issued: To be entered upon final issuance
compliance.**

Emissions Unit ID: P001

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Emissions Unit ID: P002

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>
P002 - asphalt blowing still with thermal oxidizer	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-18-06
	OAC 3745-21-07(G)
	40 CFR Part 60, Subpart UU
	OAC rule 3745-17-07(A)
	OAC rule 3745-17-11

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Emissions Unit ID: P002

Applicable Emissions
Limitations/Control
Measures

3.05 lbs/hr PM/PM-10,
13.35 tons/yr PM/PM-10,
11.58 lbs/hr SO₂, 50.73
tons/yr SO₂,
14.22 lbs/hr CO, 62.30
tons/yr CO,
1.63 lbs/hr NO_x, 7.12
tons/yr NO_x,
0.10 lb/hr H₂S, 0.45 ton/yr
H₂S,
1.22 lbs/hr VOC, 5.34
tons/yr VOC,
0.001 lb/hr lead, 0.03 ton/yr
lead.

limitation established pursuant to
OAC rule 3745-31-05 (A)(3).

Exempt

0.64 kilograms of particulate
/megagram of asphalt
charged.

See term A.I.2.a

The requirements of this rule
also include compliance with
the requirements of 40 CFR
Part 60 Subpart UU.

The emission limitation
specified by this rule is less
stringent than the 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).

The emission limitation
specified by this rule is less
stringent than the emission

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Visible particulate emissions from the stack associated with emissions unit P001 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 thermal oxidizer, opacity 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.

II. Operational Restrictions

- 1. The average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1375 degrees Fahrenheit.
- 2. Normal operating pressure range for the vacuum manifold shall be established after installation and operation of the equipment. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

III. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal oxidizer, when the emissions unit was in operation, was less than 1375 degrees

Issued: To be entered upon final issuance

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 also operate and maintain a continuous monitor and recorder which measures and records the blowing stills' manifold pressure.
3. The temperature monitor and recorder and the pressure monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
4. 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.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.
2. The permittee shall submit quarterly reports to the Hamilton County Department of Environmental Services which shall contain as a minimum, the date, time, cause and corrective action taken for any pressure variations below normal operating levels. This report shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall address the data obtained during previous calendar quarters (October through December, January through March, April through June, and July through September, respectively).
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

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- c. Actual start-up date (within 15 days after such date); and
- d. Date of performance testing (if required, at least 30 days prior to testing).

OC T1

PTI A

Issued: To be entered upon final issuance

Emissions Unit ID: P002

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 60 days after achieving maximum production after the modification but no later than 180 days after the modification.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates, sulfur dioxide and carbon monoxide.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates: for particulates, Methods 5 of 40 CFR Part 60, Appendix A ; for carbon monoxide, Method 10 of 40 CFR Part 60, Appendix A; for sulfur dioxide, Method 6 of 40 CFR Part 60, Appendix A.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to

Issued: To be entered upon final issuance

Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services' refusal to accept the results of the emission test(s).

2. Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s).

3. Compliance with the emission limitation(s) in Section A.I 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, 1996.

4. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

5. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

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Emissions Unit ID: P002

VI. Miscellaneous Requirements

None

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Emissions Unit ID: P002

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
P002 - asphalt blowing still with thermal oxidizer		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

- 1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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OC T1

PTI A

**Issued: To be entered upon final issuance
compliance.**

Emissions Unit ID: P002

OC T1

PTI A

Emissions Unit ID: P003

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>
P003 - asphalt blowing still with thermal oxidizer	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-18-06
	OAC 3745-21-07(G)
	40 CFR Part 60, Subpart UU
	OAC rule 3745-17-07(A)
	OAC rule 3745-17-11

OC T1

PTI A

Emissions Unit ID: P003

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
3.05 lbs/hr PM/PM-10, 13.35 tons/yr PM/PM-10, 11.58 lbs/hr SO ₂ , 50.73 tons/yr SO ₂ , 14.22 lbs/hr CO, 62.30 tons/yr CO, 1.63 lbs/hr NO _x , 7.12 tons/yr NO _x , 0.10 lb/hr H ₂ S, 0.45 ton/yr H ₂ S, 1.22 lbs/hr VOC, 5.34 tons/yr VOC, 0.001 lb/hr lead, 0.03 ton/yr lead.	Exempt 0.64 kilograms of particulate /megagram of asphalt charged. See term A.I.2.a
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU.	
The emission limitation specified by this rule is less stringent than the 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).	

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Visible particulate emissions from the stack associated with emissions unit P001 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 thermal oxidizer, opacity 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.

II. Operational Restrictions

- 1. The average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1375 degrees Fahrenheit.
- 2. Normal operating pressure range for the vacuum manifold shall be established after installation and operation of the equipment. Exceedance of the normal operating pressure range shall require shutdown, investigation of any problems and corrective action to enable operation in the normal range.

III. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal oxidizer, when the emissions unit was in operation, was less than 1375 degrees

Emissions Unit ID: P003

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 also operate and maintain a continuous monitor and recorder which measures and records the blowing stills' manifold pressure.
3. The temperature monitor and recorder and the pressure monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.
4. 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.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator does not comply with the temperature limitation specified above.
2. The permittee shall submit quarterly reports to the Hamilton County Department of Environmental Services which shall contain as a minimum, the date, time, cause and corrective action taken for any pressure variations below normal operating levels. This report shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall address the data obtained during previous calendar quarters (October through December, January through March, April through June, and July through September, respectively).
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

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Emissions Unit ID: P003

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Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. The emission testing shall be conducted within 60 days after achieving maximum production after the modification but no later than 180 days after the modification.
 - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates, sulfur dioxide and carbon monoxide.
 - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates: for particulates, Methods 5 of 40 CFR Part 60, Appendix A ; for carbon monoxide, Method 10 of 40 CFR Part 60, Appendix A; for sulfur dioxide, Method 6 of 40 CFR Part 60, Appendix A.
 - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to

Emissions Unit ID: P003

Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services' refusal to accept the results of the emission test(s).

2. Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s).

3. Compliance with the emission limitation(s) in Section A.I 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, 1996.

4. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

5. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: P003

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
P003 - asphalt blowing still with thermal oxidizer		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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PTI Application: 14 04095
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Facility ID: 1431302438

Emissions Unit ID: P003

compliance.

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PTI A

Emissions Unit ID: T005

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>
T005 - 1,000,000 gallon fixed roof storage tank with carbon filter	OAC rule 3745-31-05(A)(3) OAC 3745-21-07(G) 40 CFR Part 60, Subpart UU 40 CFR Part 60, Subpart Kb OAC rule 3745-17-07(A) OAC rule 3745-17-11 OAC rule 3745-18-06

OC T1

PTI A

Emissions Unit ID: T005

Issued: To be entered upon final issuance

<u>Applicable Emissions Limitations/Control Measures</u>	limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.18 lb/hr PM/PM-10, 0.78 ton/yr PM/PM-10, 0.04 lb/hr SO ₂ , 0.16 ton/yr SO ₂ , 0.02 lb/hr CO, 0.07 ton/yr CO, 0.63 lb/hr VOC, 2.76 tons/yr VOC, 0.02 lb/hr H ₂ S, 0.08 ton/yr H ₂ S.	Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See term A..III.3
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less stringent than the emission	

Issued: To be entered upon final issuance**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, fiberbed filter, 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.

II. Operational Restrictions

1. The permittee shall install, operate, and maintain a fiberbed filter to control particulate emissions, and a carbon filter to control VOC emissions from emissions unit T005. The fiberbed 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 fiberbed filter shall be maintained within the range of 0 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fiberbed 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 fiberbed on a daily basis.
2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from emissions unit T005, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. In accordance with 40 CFR Part 60.116b(a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

IV. 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 fiberbed filter did not comply with the allowable range specified above.
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 emissions unit T005. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period.
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

V. Testing Requirements

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

Emission Limitation:

0% opacity for stack emissions

Issued: To be entered upon final issuance

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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T005 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

The "Intent to Test" notification shall describe in detail the proposed test methods and

OC T1

PTI A

Emissions Unit ID: T005

Issued: To be entered upon final issuance

procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

Emissions Unit ID: T005

B. State Only Enforceable Section

I. 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 carbon filter		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.

OC T1
PTI A

Emissions Unit ID: T006

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>
T006 - 1,000,000 gallon fixed roof storage tank with carbon filter	OAC rule 3745-31-05(A)(3) OAC 3745-21-07(G) 40 CFR Part 60, Subpart UU 40 CFR Part 60, Subpart Kb OAC rule 3745-17-07(A) OAC rule 3745-17-11 OAC rule 3745-18-06

OC T1

PTI A

Emissions Unit ID: T006

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.18 lb/hr PM/PM-10, 0.78 ton/yr PM/PM-10, 0.04 lb/hr SO ₂ , 0.16 ton/yr SO ₂ , 0.02 lb/hr CO, 0.07 ton/yr CO, 0.63 lb/hr VOC, 2.76 tons/yr VOC, 0.02 lb/hr H ₂ S, 0.08 ton/yr H ₂ S.	Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See term A...III.3
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less stringent than the emission	

Issued: To be entered upon final issuance**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, fiberbed filter, 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.

II. Operational Restrictions

1. The permittee shall install, operate, and maintain a fiberbed filter to control particulate emissions, and a carbon filter to control VOC emissions from emissions unit T006. The fiberbed 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 fiberbed filter shall be maintained within the range of 0 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fiberbed 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 fiberbed on a daily basis.
2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from emissions unit T006, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. In accordance with 40 CFR Part 60.116b(a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

IV. 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 fiberbed filter did not comply with the allowable range specified above.
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 emissions unit T006. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period.
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

V. Testing Requirements

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

Emission Limitation:

Issued: To be entered upon final issuance

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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T006 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

OC Trumbull Asphalt
PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T006

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: T006

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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 carbon filter		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None.

VI. Miscellaneous Requirements

- 1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall

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OC T1

PTI A

Emissions Unit ID: T006

Issued: To be entered upon final issuance

be required to submit and implement a control program which will bring this source into compliance.

OC T1
PTI A

Emissions Unit ID: T007

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>
T007 - 1,000,000 gallon fixed roof storage tank with carbon filter	OAC rule 3745-31-05(A)(3) OAC 3745-21-07(G) 40 CFR Part 60, Subpart UU 40 CFR Part 60, Subpart Kb OAC rule 3745-17-07(A) OAC rule 3745-17-11 OAC rule 3745-18-06

OC T1

PTI A

Emissions Unit ID: T007

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.18 lb/hr PM/PM-10, 0.78 ton/yr PM/PM-10, 0.04 lb/hr SO ₂ , 0.16 ton/yr SO ₂ , 0.02 lb/hr CO, 0.07 ton/yr CO, 0.63 lb/hr VOC, 2.76 tons/yr VOC, 0.02 lb/hr H ₂ S, 0.08 ton/yr H ₂ S.	Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See term A...III.3
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less stringent than the emission	

Emissions Unit ID: T007

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, fiberbed filter, 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.

II. Operational Restrictions

1. The permittee shall install, operate, and maintain a fiberbed filter to control particulate emissions, and a carbon filter to control VOC emissions from emissions unit T007. The fiberbed 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 fiberbed filter shall be maintained within the range of 0 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fiberbed 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 fiberbed on a daily basis.
2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from emissions unit T007, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. In accordance with 40 CFR Part 60.116b(a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

IV. 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 fiberbed filter did not comply with the allowable

Issued: To be entered upon final issuance
range specified above.

- 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 emissions unit T007. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period.
- 3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
- 4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

V. Testing Requirements

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

Emission Limitation:

Issued: To be entered upon final issuance

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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T007 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

OC Trumbull Asphalt
PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T007

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: T007

Issued: To be entered upon final issuance**B. State Only Enforceable Section****I. 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>
T007 - 1,000,000 gallon fixed roof storage tank with carbon filter		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None.

VI. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall

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OC T1

PTI A

Emissions Unit ID: T007

Issued: To be entered upon final issuance

be required to submit and implement a control program which will bring this source into compliance.

OC T1
PTI A

Emissions Unit ID: T008

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>
T008 - 1,000,000 gallon fixed roof storage tank with carbon filter	OAC rule 3745-31-05(A)(3) OAC 3745-21-07(G) 40 CFR Part 60, Subpart UU 40 CFR Part 60, Subpart Kb OAC rule 3745-17-07(A) OAC rule 3745-17-11 OAC rule 3745-18-06

OC Trumbull Asphalt
PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T008

Applicable Emissions
Limitations/Control
Measures

0.18 lb/hr PM/PM-10,
0.78 ton/yr PM/PM-10,
0.04 lb/hr SO₂, 0.16 ton/yr
SO₂,
0.02 lb/hr CO, 0.07 ton/yr
CO,
0.63 lb/hr VOC, 2.76 tons/yr
VOC,
0.02 lb/hr H₂S, 0.08 ton/yr
H₂S.

The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.

The emission limitation specified by this rule is less stringent than the 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).

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

Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning.

See term A..III.3

Issued: To be entered upon final issuance**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, fiberbed filter, 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.

II. Operational Restrictions

1. The permittee shall install, operate, and maintain a fiberbed filter to control particulate emissions, and a carbon filter to control VOC emissions from emissions unit T008. The fiberbed 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 fiberbed filter shall be maintained within the range of 0 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fiberbed 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 fiberbed on a daily basis.
2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from emissions unit T008, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. In accordance with 40 CFR Part 60.116b(a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

OC T1

PTI A

Emissions Unit ID: T008

Issued: To be entered upon final issuance**IV. 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 fiberbed filter did not comply with the allowable range specified above.
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 emissions unit T008. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period.
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

V. Testing Requirements

Emissions Unit ID: T008

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T008 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

OC T1

PTI A

Emissions Unit ID: T008

Issued: To be entered upon final issuance

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: T008

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
T008 - 1,000,000 gallon fixed roof storage tank with carbon filter		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None.

VI. Miscellaneous Requirements

- 1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall

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PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T008

be required to submit and implement a control program which will bring this source into compliance.

OC T1

PTI A

Emissions Unit ID: T009

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. 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>
T009 - 5,200,000 gallon fixed roof storage tank with carbon filter	OAC rule 3745-31-05(A)(3) OAC 3745-21-07(G) 40 CFR Part 60, Subpart UU 40 CFR Part 60, Subpart Kb OAC rule 3745-17-07(A) OAC rule 3745-17-11 OAC rule 3745-18-06

OC T1

PTI A

Emissions Unit ID: T009

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	limitation established pursuant to OAC rule 3745-31-05 (A)(3).
<p>0.71 lb/hr PM/PM-10, 3.11 ton/yr PM/PM-10, 0.15 lb/hr SO₂, 0.64 ton/yr SO₂, 0.06 lb/hr CO, 0.28 ton/yr CO, 2.52 lb/hr VOC, 11.04 tons/yr VOC, 0.08 lb/hr H₂S, 0.34 ton/yr H₂S.</p>	<p>Exempt</p> <p>Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning.</p> <p>See term A..III.3</p>
<p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.</p>	
<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745- 31-05 (A)(3).</p>	
<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745- 31-05 (A)(3).</p>	
<p>The emission limitation specified by this rule is less stringent than the emission</p>	

Issued: To be entered upon final issuance**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, fiberbed filter, 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.

II. Operational Restrictions

1. The permittee shall install, operate, and maintain a fiberbed filter to control particulate emissions, and a carbon filter to control VOC emissions from emissions unit T009. The fiberbed 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 fiberbed filter shall be maintained within the range of 0 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fiberbed 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 fiberbed on a daily basis.
2. The permittee shall perform semi-annual inspections of the carbon filter used to control VOC emissions from emissions unit T009, and replace the filter as necessary. The permittee shall maintain records of the dates of inspection and the dates of filter replacement.
3. In accordance with 40 CFR Part 60.116b(a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

IV. 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 fiberbed filter did not comply with the allowable range specified above.
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 emissions unit T009. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period.
3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

V. Testing Requirements

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

Emission Limitation:

Issued: To be entered upon final issuance

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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T009 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

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PTI A

Emissions Unit ID: T009

Issued: To be entered upon final issuance

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. 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>
T009 - 1,000,000 gallon fixed roof storage tank with carbon filter		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

- 1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.

OC T1

PTI A

Emissions Unit ID: T010

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>	OAC rule 3745-18-06
T010 - 35,000 gallon fixed roof storage tank	OAC rule 3745-31-05(A)(3)	OAC 3745-21-07(G)
		40 CFR Part 60, Subpart UU
		40 CFR Part 60, Subpart Kb
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

OC T1

PTI A

Emissions Unit ID: T010

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.05 lb/hr PM/PM-10, 0.21 ton/yr PM/PM-10, 0.51 lb/hr SO ₂ , 2.23 tons/yr SO ₂ , 0.07 lb/hr CO, 0.29 ton/yr CO, 0.17 lb/hr VOC, 0.74 tons/yr VOC, 0.01 lb/hr H ₂ S, 0.05 ton/yr H ₂ S.	Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See term A.III.2
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less	

OC T1

PTI A

Emissions Unit ID: T010

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a thermal oxidizer, 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.

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal 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. In accordance with 40 CFR Part 60.116b, the permittee shall keep readily accessible the following records:

- a. the dimension of the storage vessel;
- b. an analysis showing the capacity of the storage vessel for the life of the source; and
- c. a record of the volatile organic liquid (VOL) stored, the period of storage and the maximum true vapor pressure of the VOL.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified in term A.II.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

4. In accordance with 40 CFR Part 60.116b, the permittee shall notify Department of Environmental Services within 30 days when the maximum true vapor pressure of any stored liquid exceeds 4.0 psia.

V. Testing Requirements

Issued: To be entered upon final issuance

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T010 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or

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PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T010
approved by the appropriate Ohio EPA
District Office or local air agency;

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

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: T010

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
T010 - 35,000 gallon fixed roof storage tank		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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PTI A

**Issued: To be entered upon final issuance
compliance.**

Emissions Unit ID: T010

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Emissions Unit ID: T011

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>	OAC rule 3745-18-06
T011 - 35,000 gallon fixed roof storage tank	OAC rule 3745-31-05(A)(3)	OAC 3745-21-07(G)
		40 CFR Part 60, Subpart UU
		40 CFR Part 60, Subpart Kb
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

OC T1

PTI A

Emissions Unit ID: T011

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.05 lb/hr PM/PM-10, 0.21 ton/yr PM/PM-10, 0.51 lb/hr SO ₂ , 2.23 tons/yr SO ₂ , 0.07 lb/hr CO, 0.29 ton/yr CO, 0.17 lb/hr VOC, 0.74 tons/yr VOC, 0.01 lb/hr H ₂ S, 0.05 ton/yr H ₂ S.	Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See term A.III.2
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less	

Emissions Unit ID: T011

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a thermal oxidizer, 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.

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal 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. In accordance with 40 CFR Part 60.116b, the permittee shall keep readily accessible the following records:
- a. the dimension of the storage vessel;
- b. an analysis showing the capacity of the storage vessel for the life of the source; and

**OC T1
PTI A**

Emissions Unit ID: T011

Issued: To be entered upon final issuance

- c. a record of the volatile organic liquid (VOL) stored, the period of storage and the maximum true vapor pressure of the VOL.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified in term A.II.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

4. In accordance with 40 CFR Part 60.116b, the permittee shall notify Department of Environmental Services within 30 days when the maximum true vapor pressure of any stored liquid exceeds 4.0 psia.

V. Testing Requirements

Emissions Unit ID: T011

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T011 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

Issued: To be entered upon final issuance

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

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PTI A

Emissions Unit ID: T011

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
T011 - 35,000 gallon fixed roof storage tank		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

- 1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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OC T1

PTI A

**Issued: To be entered upon final issuance
compliance.**

Emissions Unit ID: T011

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>	OAC 3745-21-07(G)
T012 - 35,000 gallon fixed roof storage tank	OAC rule 3745-31-05(A)(3)	40 CFR Part 60, Subpart UU
		40 CFR Part 60, Subpart Kb
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	
	OAC rule 3745-18-06	

OC Trumbull Asphalt
PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T012

Applicable Emissions
Limitations/Control
Measures

0.05 lb/hr PM/PM-10,
 0.21 ton/yr PM/PM-10,
 0.51 lb/hr SO₂, 2.23 tons/yr
 SO₂,
 0.07 lb/hr CO, 0.29 ton/yr
 CO,
 0.17 lb/hr VOC, 0.74 tons/yr
 VOC,
 0.01 lb/hr H₂S, 0.05 ton/yr
 H₂S.

Exempt

Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning.

See term A.III.2

The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.

The emission limitation specified by this rule is less stringent than the 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).

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

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a thermal oxidizer, 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.

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal 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. In accordance with 40 CFR Part 60.116b, the permittee shall keep readily accessible the following records:

Issued: To be entered upon final issuance

- a. the dimension of the storage vessel;
- b. an analysis showing the capacity of the storage vessel for the life of the source; and
- c. a record of the volatile organic liquid (VOL) stored, the period of storage and the maximum true vapor pressure of the VOL.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified in term A.II.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

Emissions Unit ID: T012

4. In accordance with 40 CFR Part 60.116b, the permittee shall notify Department of Environmental Services within 30 days when the maximum true vapor pressure of any stored liquid exceeds 4.0 psia.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T012 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.

- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;

- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).

- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or

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Emissions Unit ID: T012

approved by the appropriate Ohio EPA District Office or local air agency;

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

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

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PTI A

Emissions Unit ID: T012

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
T012 - 35,000 gallon fixed roof storage tank		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

- 1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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OC Trumbull Asphalt
PTI Application: 14 04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T012

compliance.

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PTI A

Emissions Unit ID: T013

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. 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>	OAC rule 3745-18-06
T013 - 35,000 gallon fixed roof storage tank	OAC rule 3745-31-05(A)(3)	OAC 3745-21-07(G)
		40 CFR Part 60, Subpart UU
		40 CFR Part 60, Subpart Kb
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

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Emissions Unit ID: T013

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	
0.05 lb/hr PM/PM-10, 0.21 ton/yr PM/PM-10, 0.51 lb/hr SO ₂ , 2.23 tons/yr SO ₂ , 0.07 lb/hr CO, 0.29 ton/yr CO, 0.17 lb/hr VOC, 0.74 tons/yr VOC, 0.01 lb/hr H ₂ S, 0.05 ton/yr H ₂ S.	stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3). Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See term A.III.2
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less	

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a thermal oxidizer, 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.

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal 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. In accordance with 40 CFR Part 60.116b, the permittee shall keep readily accessible the following records:

- a. the dimension of the storage vessel;
- b. an analysis showing the capacity of the storage vessel for the life of the source; and
- c. a record of the volatile organic liquid (VOL) stored, the period of storage and the maximum true vapor pressure of the VOL.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified in term A.II.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

4. In accordance with 40 CFR Part 60.116b, the permittee shall notify Department of Environmental Services within 30 days when the maximum true vapor pressure of any stored liquid exceeds 4.0 psia.

V. Testing Requirements

Issued: To be entered upon final issuance

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T013 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or

OC T1**PTI A****Issued: To be entered upon final issuance**

Emissions Unit ID: T013

approved by the appropriate Ohio EPA
District Office or local air agency;

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

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. 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>
T013 - 35,000 gallon fixed roof storage tank		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.

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PTI A

Emissions Unit ID: T014

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>	OAC rule 3745-18-06
T014 - 35,000 gallon fixed roof storage tank	OAC rule 3745-31-05(A)(3)	OAC 3745-21-07(G)
		40 CFR Part 60, Subpart UU
		40 CFR Part 60, Subpart Kb
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

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PTI A

Emissions Unit ID: T014

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.05 lb/hr PM/PM-10, 0.21 ton/yr PM/PM-10, 0.51 lb/hr SO ₂ , 2.23 tons/yr SO ₂ , 0.07 lb/hr CO, 0.29 ton/yr CO, 0.17 lb/hr VOC, 0.74 tons/yr VOC, 0.01 lb/hr H ₂ S, 0.05 ton/yr H ₂ S.	Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See term A.III.2
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less	

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a thermal oxidizer, 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.

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal 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. In accordance with 40 CFR Part 60.116b, the permittee shall keep readily accessible the following records:

- a. the dimension of the storage vessel;
- b. an analysis showing the capacity of the storage vessel for the life of the source; and
- c. a record of the volatile organic liquid (VOL) stored, the period of storage and the maximum true vapor pressure of the VOL.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified in term A.II.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

4. In accordance with 40 CFR Part 60.116b, the permittee shall notify Department of Environmental Services within 30 days when the maximum true vapor pressure of any stored liquid exceeds 4.0 psia.

V. Testing Requirements

Issued: To be entered upon final issuance

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T014 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or

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PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T014
approved by the appropriate Ohio EPA
District Office or local air agency;

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

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: T014

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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OC T1

PTI A

**Issued: To be entered upon final issuance
compliance.**

Emissions Unit ID: T014

OC T1

PTI A

Emissions Unit ID: T015

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>	OAC rule 3745-18-06
T015 - 50,000 gallon fixed roof storage tank	OAC rule 3745-31-05(A)(3)	OAC 3745-21-07(G)
		40 CFR Part 60, Subpart UU
		40 CFR Part 60, Subpart Kb
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

OC T1

PTI A

Emissions Unit ID: T015

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.05 lb/hr PM/PM-10, 0.21 ton/yr PM/PM-10, 0.51 lb/hr SO ₂ , 2.23 tons/yr SO ₂ , 0.07 lb/hr CO, 0.29 ton/yr CO, 0.17 lb/hr VOC, 0.74 tons/yr VOC, 0.01 lb/hr H ₂ S, 0.05 ton/yr H ₂ S.	Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See terms A.I.2.c. and A.III.2
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less	

Emissions Unit ID: T015

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a thermal oxidizer, 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 permittee shall install and operate a closed vent system which is designed to collect all VOC vapors and gases discharged from the emissions unit and operated with no detectable emissions as indicated by an instrument reading of 500 PPM above background and visual inspections, as determined in part 60, subpart VV, paragraph 60.485(b). The thermal oxidizer shall be designed and operated to reduce inlet VOC emissions by at least 95 percent.

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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 thermal incinerator, when the emissions unit was in operation, was less than 1350 degrees Fahrenheit.

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- 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. In accordance with 40 CFR Part 60.116b, the permittee shall keep readily accessible the following records:
 - a. the dimension of the storage vessel;
 - b. an analysis showing the capacity of the storage vessel for the life of the source; and
 - c. a record of the volatile organic liquid (VOL) stored, the period of storage and the maximum true vapor pressure of the VOL.
3. The permittee shall meet the record keeping requirements of 40 CFR 60.115b(c).

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified in term A.II.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P. O. Box 163669

OC Trumbull Asphalt
PTI Application: 14-04985
Issued

Facility ID: 1431302438

Emissions Unit ID: T015

Columbus, Ohio 43216-3669

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

4. The permittee shall meet the reporting requirements of 40 CFR 60.115b(c).

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.
4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T015 in accordance with the following requirements:
 - a. The emission testing shall be conducted within 60 days after production but no later than 180 days after modification of the emissions unit.
 - b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;

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- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

5. The permittee shall meet the test methods in 40 CFR 60.113b(c).

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: T015

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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>
T015- 50,000 gallon fixed roof storage tank		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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OC Trumbull Asphalt
PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T015

compliance.

OC T1

PTI A

Emissions Unit ID: T016

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. 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>	OAC rule 3745-18-06
T016 - 100,000 gallon fixed roof storage tank	OAC rule 3745-31-05(A)(3)	OAC 3745-21-07(G)
		40 CFR Part 60, Subpart UU
		40 CFR Part 60, Subpart Kb
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

OC T1

PTI A

Emissions Unit ID: T016

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
<p>0.05 lb/hr PM/PM-10, 0.21 ton/yr PM/PM-10, 0.51 lb/hr SO₂, 2.23 tons/yr SO₂, 0.07 lb/hr CO, 0.29 ton/yr CO, 0.17 lb/hr VOC, 0.74 tons/yr VOC, 0.01 lb/hr H₂S, 0.05 ton/yr H₂S.</p>	<p>Exempt</p> <p>Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning.</p> <p>See terms A.I.2.c. and A.III.2</p>
<p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.</p>	
<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745- 31-05 (A)(3).</p>	
<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745- 31-05 (A)(3).</p>	
<p>The emission limitation specified by this rule is less</p>	

OC T1

PTI A

Emissions Unit ID: T016

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a thermal oxidizer, 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 permittee shall install and operate a closed vent system which is designed to collect all VOC vapors and gases discharged from the emissions unit and operated with no detectable emissions as indicated by an instrument reading of 500 PPM above background and visual inspections, as determined in part 60, subpart VV, paragraph 60.485(b). The thermal oxidizer shall be designed and operated to reduce inlet VOC emissions by at least 95 percent.

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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:

Emissions Unit ID: T016

- a. All 3-hour blocks of time during which the average combustion temperature within the thermal 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. In accordance with 40 CFR Part 60.116b, the permittee shall keep readily accessible the following records:
 - a. the dimension of the storage vessel;
 - b. an analysis showing the capacity of the storage vessel for the life of the source; and
 - c. a record of the volatile organic liquid (VOL) stored, the period of storage and the maximum true vapor pressure of the VOL.
 3. The permittee shall meet the record keeping requirements of 40 CFR 60.115b(c).

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified in term A.II.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P. O. Box 163669

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PTI A

Emissions Unit ID: T016

Issued: To be entered upon final issuance

Columbus, Ohio 43216-3669

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

4. The permittee shall meet the reporting requirements of 40 CFR 60.115b(c).

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T016 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than

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Emissions Unit ID: T016

Issued: To be entered upon final issuance

180 days after modification of the emissions unit.

- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

5. The permittee shall meet the test methods in 40 CFR 60.113b(c).

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. 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>
T016- 100,000 gallon fixed roof storage tank		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

- 1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.

OC T1

PTI A

Emissions Unit ID: T017

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. 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>	OAC rule 3745-18-06
T017 - 50,000 gallon fixed roof storage tank	OAC rule 3745-31-05(A)(3)	OAC 3745-21-07(G)
		40 CFR Part 60, Subpart UU
		40 CFR Part 60, Subpart Kb
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	

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PTI A

Emissions Unit ID: T017

Issued: To be entered upon final issuance

Applicable Emissions Limitations/Control Measures	stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A)(3).
0.05 lb/hr PM/PM-10, 0.21 ton/yr PM/PM-10, 0.51 lb/hr SO ₂ , 2.23 tons/yr SO ₂ , 0.07 lb/hr CO, 0.29 ton/yr CO, 0.17 lb/hr VOC, 0.74 tons/yr VOC, 0.01 lb/hr H ₂ S, 0.05 ton/yr H ₂ S.	Exempt Zero percent opacity, except for one consecutive 15-minute period in any 24-hour period when the transfer lines are being blown for cleaning. See terms A.I.2.c. and A.III.2
The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart UU and 40 CFR Part 60 Subpart Kb.	
The emission limitation specified by this rule is less stringent than the 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).	
The emission limitation specified by this rule is less	

Issued: To be entered upon final issuance**2. Additional Terms and Conditions**

- 2.a** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a thermal oxidizer, 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 permittee shall install and operate a closed vent system which is designed to collect all VOC vapors and gases discharged from the emissions unit and operated with no detectable emissions as indicated by an instrument reading of 500 PPM above background and visual inspections, as determined in part 60, subpart VV, paragraph 60.485(b). The thermal oxidizer shall be designed and operated to reduce inlet VOC emissions by at least 95 percent.

II. Operational Restrictions

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

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer 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:

Emissions Unit ID: T017

- a. All 3-hour blocks of time during which the average combustion temperature within the thermal 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. In accordance with 40 CFR Part 60.116b, the permittee shall keep readily accessible the following records:
- a. the dimension of the storage vessel;
 - b. an analysis showing the capacity of the storage vessel for the life of the source; and
 - c. a record of the volatile organic liquid (VOL) stored, the period of storage and the maximum true vapor pressure of the VOL.
3. The permittee shall meet the record keeping requirements of 40 CFR 60.115b(c).

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer does not comply with the temperature limitation specified in term A.II.1.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. Construction date (no later than 30 days after such date);
 - b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. Actual start-up date (within 15 days after such date); and
 - d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P. O. Box 163669

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Emissions Unit ID: T017

Issued: To be entered upon final issuance

Columbus, Ohio 43216-3669

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

4. The permittee shall meet the reporting requirements of 40 CFR 60.115b(c).

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. 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, 1996.

2. Emission Limitation:

mass emission limits specified in section A.I

Applicable compliance method:

Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI application 14-04985 submitted July 6, 2000.

3. Compliance with term A.II.1 shall be demonstrated by the record keeping in term A.III.1.

4. The permittee shall conduct, or have conducted, visible emission testing for emissions unit T017 in accordance with the following requirements:

- a. The emission testing shall be conducted within 60 days after production but no later than

OC Trumbull Asphalt
PTI Application: 14-04095
Issued

Facility ID: 1431302438

Emissions Unit ID: T017
180 days after modification of the emissions unit.

- b. The emission testing shall be conducted to demonstrate compliance with 40 CFR 60 Subpart UU;
- c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60).
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency;

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

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

- 5. The permittee shall meet the test methods in 40 CFR 60.113b(c).

VI. Miscellaneous Requirements

None

OC T1

PTI A

Emissions Unit ID: T017

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. 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- 50,000 gallon fixed roof storage tank		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

- 1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into

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PTI A

**Issued: To be entered upon final issuance
compliance.**

Emissions Unit ID: T017

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant CITY/TWP North Bend

SIC CODE 2951 SCC CODE 1-02-004-02 EMISSIONS UNIT ID B002

EMISSIONS UNIT DESCRIPTION 15.7 MMBtu/hr gas/oil fired boiler

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		lb/MMBtu	Tons Per Year	lb/MMBtu	Tons Per Year
Particulate Matter	attainment	0.0076	0.52	0.0521	3.58
PM ₁₀	attainment	0.0076	0.52	0.0323	2.22
Sulfur Dioxide	attainment	0.0006	0.04	0.5233	35.99
Organic Compounds	attainment	0.0055	0.38	0.0055*	0.38*
Nitrogen Oxides	attainment	0.1000	6.88	0.3667	25.21
Carbon Monoxide	attainment	0.0840	5.78	0.0840*	5.78*
Lead					
Other: Air Toxics		for gas combustion		#6 oil except * when burning gas	

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitations, fuel oil sulfur content limitation, and compliance with specified emissions limitations.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951

SCC CODE 3-05-001-05

EMISSIONS UNIT ID J001

EMISSIONS UNIT DESCRIPTION asphalt truck loading rack with thermal oxidizer

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Pounds per Hour	Tons Per Year	Pounds per Hour	Tons Per Year
Particulate Matter	attainment	0.18	0.40	0.18	0.81
PM ₁₀	attainment	0.18	0.40	0.18	0.81
Sulfur Dioxide	attainment	0.38	0.84	0.38	1.68
Organic Compounds	attainment	0.66	1.43	0.66	2.87
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.26	0.57	0.26	1.15
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Collecting and venting emissions to a thermal incinerator, and compliance with the specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? X YES NOIDENTIFY THE AIR CONTAMINANTS: sulfur dioxide

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951

SCC CODE 3-05-001-01

EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION asphalt blowing still with thermal oxidizer

DATE INSTALLED 1995

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Pounds per Hour	Tons Per Year	Pounds per Hour	Tons Per Year
Particulate Matter	attainment	3.05	13.35	3.05	13.35
PM ₁₀	attainment	3.05	13.35	3.05	13.35
Sulfur Dioxide	attainment	11.58	50.73	11.58	50.73
Organic Compounds	attainment	1.22	5.34	1.22	5.34
Nitrogen Oxides	attainment	1.63	7.12	1.63	7.12
Carbon Monoxide	attainment	14.22	62.30	14.22	62.30
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60,

NESHAP?

PSD?

OFFSET POLICY?

subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*?

X

YES

NO

IDENTIFY THE AIR CONTAMINANTS:

sulfur dioxide, carbon monoxide

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951

SCC CODE 3-05-001-01

EMISSIONS UNIT ID P002

EMISSIONS UNIT DESCRIPTION asphalt blowing still with vapor incinerator

DATE INSTALLED 1995

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	3.05	13.35	3.05	13.35
PM ₁₀	attainment	3.05	13.35	3.05	13.35
Sulfur Dioxide	attainment	11.58	50.73	11.58	50.73
Organic Compounds	attainment	1.22	5.34	1.22	5.34
Nitrogen Oxides	attainment	1.63	7.12	1.63	7.12
Carbon Monoxide	attainment	14.22	62.30	14.22	62.30
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60,

NESHAP?

PSD?

OFFSET POLICY?

subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, compliance with specified emission limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*?

X

YES

NO

IDENTIFY THE AIR CONTAMINANTS:

sulfur dioxide, carbon monoxide

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951

SCC CODE 3-05-001-01

EMISSIONS UNIT ID P003

EMISSIONS UNIT DESCRIPTION asphalt blowing still with vapor incinerator

DATE INSTALLED 1995

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	3.05	13.35	3.05	13.35
PM ₁₀	attainment	3.05	13.35	3.05	13.35
Sulfur Dioxide	attainment	11.58	50.73	11.58	50.73
Organic Compounds	attainment	1.22	5.34	1.22	5.34
Nitrogen Oxides	attainment	1.63	7.12	1.63	7.12
Carbon Monoxide	attainment	14.22	62.30	14.22	62.30
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60,

NESHAP?

PSD?

OFFSET POLICY?

subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, compliance with specified emission limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

yes

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*?

X

YES

NO

IDENTIFY THE AIR CONTAMINANTS:

sulfur dioxide, carbon monoxide

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-33 EMISSIONS UNIT ID T005

EMISSIONS UNIT DESCRIPTION 1,000,000 gallon fixed roof storage tank with carbon filter

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Pounds per Hour	Tons Per Year	Pounds per Hour	Tons Per Year
Particulate Matter	attainment	0.18	0.78	0.18	0.78
PM ₁₀	attainment	0.18	0.78	0.18	0.78
Sulfur Dioxide	attainment	0.04	0.16	0.04	0.16
Organic Compounds	attainment	0.63	2.76	0.63	2.76
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.02	0.07	0.02	0.07
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of filterbed filter and carbon filter, compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-33 EMISSIONS UNIT ID T006

EMISSIONS UNIT DESCRIPTION 1,000,000 gallon fixed roof storage tank with carbon filter

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.18	0.78	0.18	0.78
PM ₁₀	attainment	0.18	0.78	0.18	0.78
Sulfur Dioxide	attainment	0.04	0.16	0.04	0.16
Organic Compounds	attainment	0.63	2.76	0.63	2.76
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.02	0.07	0.02	0.07
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of filterbed filter and carbon filter, compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-33 EMISSIONS UNIT ID T007

EMISSIONS UNIT DESCRIPTION 1,000,000 gallon fixed roof storage tank with carbon filter

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.18	0.78	0.18	0.78
PM ₁₀	attainment	0.18	0.78	0.18	0.78
Sulfur Dioxide	attainment	0.04	0.16	0.04	0.16
Organic Compounds	attainment	0.63	2.76	0.63	2.76
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.02	0.07	0.02	0.07
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of filterbed filter and carbon filter, compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-33 EMISSIONS UNIT ID T008

EMISSIONS UNIT DESCRIPTION 1,000,000 gallon fixed roof storage tank with carbon filter

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.18	0.78	0.18	0.78
PM ₁₀	attainment	0.18	0.78	0.18	0.78
Sulfur Dioxide	attainment	0.04	0.16	0.04	0.16
Organic Compounds	attainment	0.63	2.76	0.63	2.76
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.02	0.07	0.02	0.07
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of filterbed filter and carbon filter, compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-33 EMISSIONS UNIT ID T009

EMISSIONS UNIT DESCRIPTION 5,200,000 gallon fixed roof storage tank with carbon filter

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Pounds per Hour	Tons Per Year	Pounds per Hour	Tons Per Year
Particulate Matter	attainment	0.71	3.11	0.71	3.11
PM ₁₀	attainment	0.71	3.11	0.71	3.11
Sulfur Dioxide	attainment	0.15	0.64	0.15	0.64
Organic Compounds	attainment	2.52	11.04	2.52	11.04
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.06	0.28	0.06	0.28
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of filterbed filter and carbon filter, compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-34 EMISSIONS UNIT ID T010

EMISSIONS UNIT DESCRIPTION 35,000 gallon fixed roof storage tank with vapor incineration

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Pounds per Hour	Tons Per Year	Pounds per Hour	Tons Per Year
Particulate Matter	attainment	0.05	0.21	0.05	0.21
PM ₁₀	attainment	0.05	0.21	0.05	0.21
Sulfur Dioxide	attainment	0.51	2.23	0.51	2.23
Organic Compounds	attainment	0.17	0.74	0.17	0.74
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.07	0.29	0.07	0.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of thermal oxidizer, compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-34 EMISSIONS UNIT ID T011

EMISSIONS UNIT DESCRIPTION 35,000 gallon fixed roof storage tank with vapor incineration

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.05	0.21	0.05	0.21
PM ₁₀	attainment	0.05	0.21	0.05	0.21
Sulfur Dioxide	attainment	0.51	2.23	0.51	2.23
Organic Compounds	attainment	0.17	0.74	0.17	0.74
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.07	0.29	0.07	0.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of thermal oxidizer, compliance with specified emission limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-34 EMISSIONS UNIT ID T012

EMISSIONS UNIT DESCRIPTION 35,000 gallon fixed roof storage tank with vapor incineration

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.05	0.21	0.05	0.21
PM ₁₀	attainment	0.05	0.21	0.05	0.21
Sulfur Dioxide	attainment	0.51	2.23	0.51	2.23
Organic Compounds	attainment	0.17	0.74	0.17	0.74
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.07	0.29	0.07	0.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of thermal oxidizer, compliance with specified emission limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-34 EMISSIONS UNIT ID T013

EMISSIONS UNIT DESCRIPTION 35,000 gallon fixed roof storage tank with vapor incineration

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.05	0.21	0.05	0.21
PM ₁₀	attainment	0.05	0.21	0.05	0.21
Sulfur Dioxide	attainment	0.51	2.23	0.51	2.23
Organic Compounds	attainment	0.17	0.74	0.17	0.74
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.07	0.29	0.07	0.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of thermal oxidizer, compliance with specified emission limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951 SCC CODE 3-05-001-34 EMISSIONS UNIT ID T014

EMISSIONS UNIT DESCRIPTION 35,000 gallon fixed roof storage tank with vapor incineration

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.05	0.21	0.05	0.21
PM ₁₀	attainment	0.05	0.21	0.05	0.21
Sulfur Dioxide	attainment	0.51	2.23	0.51	2.23
Organic Compounds	attainment	0.17	0.74	0.17	0.74
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.07	0.29	0.07	0.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of thermal oxidizer, compliance with specified emission limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951

SCC CODE 3-05-001-34

EMISSIONS UNIT ID T015

EMISSIONS UNIT DESCRIPTION 50,000 gallon fixed roof storage tank with vapor incineration

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.05	0.21	0.05	0.21
PM ₁₀	attainment	0.05	0.21	0.05	0.21
Sulfur Dioxide	attainment	0.51	2.23	0.51	2.23
Organic Compounds	attainment	0.17	0.74	0.17	0.74
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.07	0.29	0.07	0.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60,

NESHAP?

PSD?

OFFSET POLICY?

Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of thermal oxidizer, compliance with specified emission limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*?

YES

X

NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

SIC CODE 2951

SCC CODE 3-05-001-34

EMISSIONS UNIT ID T016

EMISSIONS UNIT DESCRIPTION 100,000 gallon fixed roof storage tank with vapor incineration

DATE INSTALLED 1980

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.05	0.21	0.05	0.21
PM ₁₀	attainment	0.05	0.21	0.05	0.21
Sulfur Dioxide	attainment	0.51	2.23	0.51	2.23
Organic Compounds	attainment	0.17	0.74	0.17	0.74
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.07	0.29	0.07	0.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60,

NESHAP?

PSD?

OFFSET POLICY?

Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of thermal oxidizer, compliance with specified emission limits

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

\$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*?

YES

X

NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985 Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

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SIC CODE 2951 SCC CODE 3-05-001-34 EMISSIONS UNIT ID T017

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DATE INSTALLED 1980

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		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	0.05	0.21	0.05	0.21
PM ₁₀	attainment	0.05	0.21	0.05	0.21
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Organic Compounds	attainment	0.17	0.74	0.17	0.74
Nitrogen Oxides	attainment				
Carbon Monoxide	attainment	0.07	0.29	0.07	0.29
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS 40 CFR Part 60, NESHAP? PSD? OFFSET POLICY?
Subpart UU

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Opacity limitation, use of thermal oxidizer, compliance with specified emission limits.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? YES X NO

IDENTIFY THE AIR CONTAMINANTS:

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit **hard copy items to Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to airpti@epa.state.oh.us

Please fill out the following. If the checkbox does not work, replace it with an 'X'

	Electronic	<u>Additional information</u> File Name Convention (your PTI # plus this letter)	Hard Copy	None
<u>Calculations (required)</u>	<input type="checkbox"/>	0000000c.wpd	<input checked="" type="checkbox"/>	
Modeling form/results	<input type="checkbox"/>	0000000s.wpd	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PTI Application (complete or partial)*	<input type="checkbox"/>	0000000a.wpd	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BAT Study	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input type="checkbox"/>
Other/misc.	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input type="checkbox"/>

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

NSR Discussion

Permit Review Narrative

PTI 14-04985

Owens Corning Trumbull Asphalt
10100 Brower Road
North Bend, Ohio 45052

Premise Number: 1431302438

Emissions units description:

Owens Corning plans to expand asphalt production at the Trumbull plant in North Bend from the current PTI limit of 150,000 tons per year to the maximum plant capacity of 270,000 tons per year. Due to increased throughput, emissions from several emissions units will increase, thus requiring a PTI. Affected units include a 15.7 MMBtu/hr gas/oil fired boiler (B002), asphalt truck loading rack (J001), three asphalt blowing stills (P001, P002 and P003), five raw material storage tanks (T005, T006, T007, T008 and T009) and eight finished product storage tanks (T010, T011, T012, T013, T014, T015, T016, T017). Emissions unit B004 (4.2 MMBtu/hr boiler) is exempt from PTI requirements, and emissions from various oil tanks (T002, T003 and T004) will not increase. These units are not included in the PTI.

Applicable rules:

OAC rule 3745-15-07 (air pollution nuisance prohibited)

OAC rule 3745-17-07 (visible emissions limitations)

OAC rule 3745-17-11 (particulate emissions from industrial processes)

OAC rule 3745-18-06 (sulfur dioxide emissions limitations)

OAC rule 3745-21-07 (emissions from processes using liquid organic materials)

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PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

OAC rule 3745-31-05 (BAT requirements)

40 CFR Part 60, Subpart UU (NSPS for asphalt processing)

BAT determination:

B002 - opacity limitations, fuel oil sulfur content limitation, and compliance with specified emissions limitations.

J001 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

P001 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

P002 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

P003 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

T005 - Use of carbon filter, opacity limitation, compliance with specified emission limitations.

T006 - Use of carbon filter, opacity limitation, compliance with specified emission limitations.

T007 - Use of carbon filter, opacity limitation, compliance with specified emission limitations.

T008 - Use of carbon filter, opacity limitation, compliance with specified emission limitations.

T009 - Use of carbon filter, opacity limitation, compliance with specified emission limitations.

T010 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

T011 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

T012 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

T013 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

T014 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

T015 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

T016 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

T017 - Use of thermal oxidizer, opacity limitation, compliance with specified emission limitations.

Emissions summary: See emissions summary sheet

Permit recommendation:

All emissions units will comply with the applicable regulations, therefore approval is recommended.

Permit Fees:

Emissions unit	PWR, capacity or heat input	Fee
B002	15.7 MMBtu/hr	400.00
J001	391680 lbs/hr	1000.00
P001	20320 lbs/hr	800.00
P002	20320 lbs/hr	800.00

NEW SOURCE REVIEW FORM B

PTI Number: 14-04985

Facility ID: 1431302438

FACILITY NAME OC Trumbull Asphalt

FACILITY DESCRIPTION asphalt processing plant

CITY/TWP North Bend

Emissions Unit ID: T017

P003	20320 lbs/hr	800
		.00
T005	1,000,000 gal	500
		.00
T006	1,000,000 gal	500
		.00
T007	1,000,000 gal	500
		.00
T008	1,000,000 gal	500
		.00
T009	5,200,000 gal	750
		.00
T010	35,000 gal	150
		.00
T011	35,000 gal	150
		.00
T012	35,000 gal	150
		.00
T013	35,000 gal	150
		.00
T014	35,000 gal	150
		.00
T015	50,000 gal	200
		.00
T016	100,000 gal	200
		.00
T017	100,000 gal	<u>200</u>
		<u>.00</u>
Total fee		\$7,900
		.00

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PTI Num

FACILITY

FACILITY DESCRIPTION asphalt processing plant

Emissions Unit ID: T017
CITY/TWP North Bend

Prepared By: Pete Sturdevant

Date Prepared: 12/01/00

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

Synthetic Minor Determination and/or Netting Determination
Permit To Install ENTER PTI NUMBER HERE

A. Source Description

B. Facility Emissions and Attainment Status

C. Source Emissions

D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

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

<u>Pollutant</u>	<u>Tons Per Year</u>
PM/PM-10	48.77
SO ₂	172.99
NO _x	21.36
CO	190.93
VOC	46.89
H ₂ S	2.59
lead	0.01