



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center  
50 West Town Street, Suite 700  
Columbus, OH 43215

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

**CERTIFIED MAIL**

**RE: FINAL PERMIT TO INSTALL  
MORROW COUNTY  
Application No: 01-12175  
Fac ID: 0159000156**

**DATE: 4/24/2008**

Asphalt Technologies L.L.C.  
Aaron Croskey  
219 1/2 West High Street  
Edison, OH 43320

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
40 CFR 60 Subpart Kb	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

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.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

Sincerely,

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

CC: USEPA

CDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 4/24/2008  
Effective Date: 4/24/2008**

**FINAL PERMIT TO INSTALL 01-12175**

Application Number: 01-12175  
Facility ID: 0159000156  
Permit Fee: **\$4600**  
Name of Facility: Asphalt Technologies L.L.C.  
Person to Contact: Aaron Croskey  
Address: 219 1/2 West High Street  
Edison, OH 43320

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**219 1/2 West High Street  
Edison, Ohio**

Description of proposed emissions unit(s):  
**One million gallon liquid storage tank, 500,000 gallon storage tank, 250,000 gallon storage tank and loading rack.**

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

Chris Korleski  
Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

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

#### 2. Reporting Requirements

The permittee shall submit required reports in the following manner:

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

#### 3. Records Retention Requirements

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

#### 4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and

regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

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

**6. Permit Transfers**

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

**7. Air Pollution Nuisance**

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

**8. Termination of Permit to Install**

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

**9. Construction of New Sources(s)**

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

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

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

**10. Public Disclosure**

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

**11. Applicability**

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

**12. Best Available Technology**

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

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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this

permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

**14. Construction Compliance Certification**

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

**15. Fees**

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

**B. Permit to Install Summary of Allowable Emissions**

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC	12.75

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

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

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

**Operations, Property, and/or Equipment - (J002) - Asphalt loading rack with filter bed mist eliminator system and carbon adsorber**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Volatile organic compounds (VOC) shall not exceed 93.8 lbs/day and 12.2 tons per year.

2. **Additional Terms and Conditions**

- 2.a None.

**B. Operational Restrictions**

1. The permittee shall not exceed an annual material throughput rate of 7,800,000 gallons.
2. The permittee shall replace the spent carbon and filter bed on an annual basis, or more frequently as needed.
3. All VOC emissions from this emissions unit shall be vented through the filter bed mist eliminator and carbon adsorber when the emissions unit is in operation.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain monthly records of the amount (gallons per month and total gallons, to date for the calendar year) of material throughput for this emissions unit.
2. The permittee shall maintain a log of the dates when the spent carbon and filter bed is replaced.
3. The permittee shall operate and maintain the carbon adsorber and mist eliminator according to manufacture's instructions, recommendations and operating manual.

4. The permittee shall maintain daily records that document any time periods when the carbon adsorber and filter bed mist eliminator were not in service and the emissions unit was in operation.

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

1. The permittee shall submit annual deviation (excursion) reports that identify any and all exceedances of the annual material throughput limitation, as well as the corrective actions taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report which states that no deviations occurred during the calendar year. These reports shall be submitted by January 31 of each year.
2. The permittee shall notify the Ohio EPA - Central District Office in writing of any daily record showing that the carbon adsorber and mist eliminator were not in service when the emissions unit was in operation. The notification shall be sent to the Ohio EPA - Central District Office within 30 days after the event occurs.

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

1. Compliance with the emission limitation specified in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emissions Limitation:

Volatile organic compounds (VOC) shall not exceed 93.8 lbs VOC/day.

Applicable Compliance Method:

Calculate the loading loss by use of the following equation from AP-42 5th Edition, January, 1995, Chapter 5.2

$$L = [12.46 * S * P * M] / T$$

where:

L = the loading loss in pounds of VOC per thousand gallons loaded;

S = saturation factor = 1.45 for splash loading tank trucks;

P = true vapor pressure of liquid loaded (psia) = 1.43;

M = molecular weight of vapors (lb/lbmole) = 190; and

T = temperature of bulk liquid loaded, degrees R = 785

The daily limitation was then developed by multiplying the maximum daily throughput of (30,000 gal/day) by the loading loss ( 6.25 lb OC/1,000 gal). The emissions were then multiplied by the overall control efficiency of the carbon adsorber of 50%.

- b. Emissions Limitation:  
12.2 ton VOC per year

Applicable Compliance Method:

The annual limitation was developed by multiplying the appropriate loading loss emission factor from AP-42 of 6.25 pounds OC/1000 gallons of liquid loaded (Section 5.2 - 1/95) by the maximum annual material throughput (7,800,000 gallons), and then dividing by 2000 pounds/ton. The total annual emissions were then multiplied by the overall control efficiency of the carbon adsorber of 50%.

- 2. If required, 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 to demonstrate compliance with the limitation for VOC.
  - b. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):  
  
Method 18, 21, 24, 24A, 25 or 25A
  - c. 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.
  - d. 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).
  - e. 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.
  - f. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

**F. Miscellaneous Requirements**

None

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. Applicable Emissions Limitations and/or Control Requirements**

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

**Operations, Property, and/or Equipment - (T012) - 1,000,000 gallon, fixed roof storage tank for petroleum asphalt with filter bed mist eliminator system and carbon adsorber**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 60, Subpart Kb	See term and condition C.2
OAC rule 3745-21-09(L)	Exempt, please see Section B.4
ORC 3704.03(T)(4)	See term and condition A.2.a

**2. Additional Terms and Conditions**

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the Volatile Organic Compounds (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than ten tons per year.
- 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.

**B. Operational Restrictions**

1. The permittee shall maintain monthly records of the amount (gallons per month and total gallons, to date for the calendar year) of material throughput for this emissions unit.
2. The permittee shall replace the spent carbon and filter bed on an annual basis, or more frequently as needed.
3. All VOC emissions from this emissions unit shall be vented through the filter bed mist eliminator and carbon adsorber when the emissions unit is in operation.
4. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch

absolute, unless the tank is equipped with an internal floating roof (or equivalent control approved by the Director) in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09 prior to storing a petroleum liquid with a higher vapor pressure.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain records of the following information for the fixed roof tank:
  - a. the types of petroleum liquids stored in the tank; and
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

These records shall be maintained for at least 5 years and shall be made available to the director or his representative upon verbal or written request.

2. In accordance with 40 CFR Part 60, Subpart Kb, section 60.116b(b), the owner and operator this emissions unit shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing capacity of the storage vessel for the life of the emissions unit.
3. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.
4. The permittee shall maintain a log of the dates when the spent carbon and filter bed is replaced.
5. The permittee shall operate and maintain the carbon adsorber and mist eliminator according to manufacture's instructions, recommendations and operating manual.
6. The permittee shall maintain daily records that document any time periods when the carbon adsorber and filter bed mist eliminator were not in service and the emissions unit was in operation.

### **D. Reporting Requirements**

1. If the permittee places, stores, or holds, in the fixed roof tank, any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of becoming aware of the occurrence. The date that such petroleum liquid was first stored in the tank, the date removed (if removed), the total gallons throughput of each petroleum liquid exceeding this vapor pressure, and the proposed method of compliance shall be included in the report.

2. NSPS Requirements

This emissions unit is subject to Subpart Kb of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirements to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date); and
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio EPA, Central District Office  
DAPC - Permit Management Unit  
50 West Town Street  
P.O. Box 1049  
Columbus, OH 43215

3. The permittee shall notify the Ohio EPA - Central District Office in writing of any daily record showing that the carbon adsorber and mist eliminator were not in service when the emissions unit was in operation. The notification shall be sent to the Ohio EPA - Central District Office within 30 days after the event occurs.

**E. Testing Requirements**

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

Emission Limitation:  
0.3 tons VOC per year.

Applicable Compliance Method:

The uncontrolled potential to emit VOC emissions for this emissions unit is based on the information, as supplied by the permittee, in PTI Application 01-12175, submitted August 1, 2007. Volatile Organic Compounds emissions calculations, if necessary, shall be calculated using the Tanks 4.0.9d emissions estimating software with a maximum annual fuel oil throughput of 2,500,000 gallons.

**F. Miscellaneous Requirements**

None

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**Asphalt Technologies L.L.C.**

**PTI Application: 01-12175**

**Issued: 4/24/2008**

**Facility ID: 0159000156**

**Emissions Unit ID: T012**

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. Applicable Emissions Limitations and/or Control Requirements**

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

**Operations, Property, and/or Equipment - (T013) - 500,000 gallon fixed roof storage tank for petroleum asphalt with filter bed mist eliminator system and carbon adsorber**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 60, Subpart Kb	See term and condition C.2
OAC rule 3745-21-09(L)	Exempt, please see Section B.4
ORC 3704.03(T)(4)	See term and condition A.2.a

**2. Additional Terms and Conditions**

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the Volatile Organic Compounds (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than ten tons per year.
- 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.

**B. Operational Restrictions**

1. The permittee shall maintain monthly records of the amount (gallons per month and total gallons, to date for the calendar year) of material throughput for this emissions unit.
2. The permittee shall replace the spent carbon and filter bed on an annual basis, or more frequently as needed.
3. All VOC emissions from this emissions unit shall be vented through the filter bed mist eliminator and carbon adsorber when the emissions unit is in operation.
4. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch

absolute, unless the tank is equipped with an internal floating roof (or equivalent control approved by the Director) in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09 prior to storing a petroleum liquid with a higher vapor pressure.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain records of the following information for the fixed roof tank:
  - a. the types of petroleum liquids stored in the tank; and
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

These records shall be maintained for at least 5 years and shall be made available to the director or his representative upon verbal or written request.

2. In accordance with 40 CFR Part 60, Subpart Kb, section 60.116b(b), the owner and operator this emissions unit shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing capacity of the storage vessel for the life of the emissions unit.
3. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.
4. The permittee shall maintain a log of the dates when the spent carbon and filter bed is replaced.
5. The permittee shall operate and maintain the carbon adsorber and mist eliminator according to manufacture's instructions, recommendations and operating manual.
6. The permittee shall maintain daily records that document any time periods when the carbon adsorber and filter bed mist eliminator were not in service and the emissions unit was in operation.

### **D. Reporting Requirements**

1. If the permittee places, stores, or holds, in the fixed roof tank, any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of becoming aware of the occurrence. The date that such petroleum liquid was first stored in the tank, the date removed (if removed), the total gallons throughput of each petroleum liquid exceeding this vapor pressure, and the proposed method of compliance shall be included in the report.

2. NSPS Requirements

This emissions unit is subject to Subpart Kb of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirements to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date); and
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio EPA, Central District Office  
DAPC - Permit Management Unit  
50 West Town Street  
P.O. Box 1049  
Columbus, OH 43215

3. The permittee shall notify the Ohio EPA - Central District Office in writing of any daily record showing that the carbon adsorber and mist eliminator were not in service when the emissions unit was in operation. The notification shall be sent to the Ohio EPA - Central District Office within 30 days after the event occurs.

**E. Testing Requirements**

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

Emission Limitation:  
0.2 tons VOC per year.

Applicable Compliance Method:

The uncontrolled potential to emit VOC emissions for this emissions unit is based on the information, as supplied by the permittee, in PTI Application 01-12175, submitted August 1, 2007. Volatile Organic Compounds emissions calculations, if necessary, shall be calculated using the Tanks 4.0.9d emissions estimating software with a maximum annual fuel oil throughput of 2,000,000 gallons.

**F. Miscellaneous Requirements**

None

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**Asphalt Technologies L.L.C.**

**PTI Application: 01-12175**

**Issued: 4/24/2008**

**Facility ID: 0159000156**

**Emissions Unit ID: T013**

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. Applicable Emissions Limitations and/or Control Requirements**

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

**Operations, Property, and/or Equipment - (T014) - 250,000 gallon fixed roof storage tank for petroleum asphalt with filter bed mist eliminator system and carbon adsorber**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
40 CFR Part 60, Subpart Kb	See term and condition C.2
OAC rule 3745-21-09(L)	Exempt, please see Section B.4
ORC 3704.03(T)(4)	See term and condition A.2.a

**2. Additional Terms and Conditions**

- 2.a The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the Volatile Organic Compounds (VOC) emissions from this air contaminant source since the uncontrolled potential to emit for VOC is less than ten tons per year.
- 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.

**B. Operational Restrictions**

1. The permittee shall maintain monthly records of the amount (gallons per month and total gallons, to date for the calendar year) of material throughput for this emissions unit.
2. The permittee shall replace the spent carbon and filter bed on an annual basis, or more frequently as needed.
3. All VOC emissions from this emissions unit shall be vented through the filter bed mist eliminator and carbon adsorber when the emissions unit is in operation.
4. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has a true vapor pressure greater than 1.52 pounds per square inch

absolute, unless the tank is equipped with an internal floating roof (or equivalent control approved by the Director) in accordance with the requirements of paragraph (L)(1) of OAC rule 3745-21-09 prior to storing a petroleum liquid with a higher vapor pressure.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain records of the following information for the fixed roof tank:
  - a. the types of petroleum liquids stored in the tank; and
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each petroleum liquid that has a maximum true vapor pressure greater than 1.0 pound per square inch absolute.

These records shall be maintained for at least 5 years and shall be made available to the director or his representative upon verbal or written request.

2. In accordance with 40 CFR Part 60, Subpart Kb, section 60.116b(b), the owner and operator this emissions unit shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing capacity of the storage vessel for the life of the emissions unit.
3. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel.
4. The permittee shall maintain a log of the dates when the spent carbon and filter bed is replaced.
5. The permittee shall operate and maintain the carbon adsorber and mist eliminator according to manufacture's instructions, recommendations and operating manual.
6. The permittee shall maintain daily records that document any time periods when the carbon adsorber and filter bed mist eliminator were not in service and the emissions unit was in operation.

### **D. Reporting Requirements**

1. If the permittee places, stores, or holds, in the fixed roof tank, any petroleum liquid with a true vapor pressure which is greater than 1.52 pounds per square inch absolute and such tank does not comply with the requirements of paragraph (L)(1) of OAC rule 3745-21-09, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of becoming aware of the occurrence. The date that such petroleum liquid was first stored in the tank, the date removed (if removed), the total gallons throughput of each petroleum liquid exceeding this vapor pressure, and the proposed method of compliance shall be included in the report.

2. NSPS Requirements

This emissions unit is subject to Subpart Kb of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirements to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date); and
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio EPA, Central District Office  
DAPC - Permit Management Unit  
50 West Town Street  
P.O. Box 1049  
Columbus, OH 43215

3. The permittee shall notify the Ohio EPA - Central District Office in writing of any daily record showing that the carbon adsorber and mist eliminator were not in service when the emissions unit was in operation. The notification shall be sent to the Ohio EPA - Central District Office within 30 days after the event occurs.

**E. Testing Requirements**

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

Emission Limitation:  
0.1 tons VOC per year.

Applicable Compliance Method:  
The uncontrolled potential to emit VOC emissions for this emissions unit is based on the information, as supplied by the permittee, in PTI Application 14-05906, submitted December 12, 2006. Volatile Organic Compounds emissions calculations, if necessary, shall be calculated using the Tanks 4.0.9d emissions estimating software with a maximum annual fuel oil throughput of 1,000,000 gallons.

**F. Miscellaneous Requirements**

None

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**Asphalt Technologies L.L.C.**

**PTI Application: 01-12175**

**Issued: 4/24/2008**

**Facility ID: 0159000156**

**Emissions Unit ID: T014**

SIC CODE 2951 SCC CODE 40301022 EMISSIONS UNIT ID J002

EMISSIONS UNIT DESCRIPTION Asphalt loading rack

DATE INSTALLED 4/05

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					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	Attainment		24.4		12.2
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? **40 CFR 60** PSD? OFFSET POLICY?  
 Subpart Kb

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

**Enter Determination** compliance with all regulations and emission limitations. Monitoring and record keeping is required to ensure ongoing compliance.

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 \_\_\_\_\_ NO

**Asphalt Technologies L.L.C.**  
**PTI Application: 01-12175**  
**Issued: 4/24/2008**

**Facility ID: 0159000156**

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

SIC CODE 2951 SCC CODE 40301022 EMISSIONS UNIT ID T012

EMISSIONS UNIT DESCRIPTION 1,000,000 gallon, fixed roof storage tank for petroleum asphalt

DATE INSTALLED \_\_\_\_\_ 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					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	Attainment				
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? **40 CFR 60** PSD? OFFSET POLICY?  
 Subpart Kb

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

**Enter Determination** compliance with all regulations and emission limitations. Monitoring and record keeping is required to ensure ongoing compliance.

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 \_\_\_\_\_ NO

**Asphalt Technologies L.L.C.**  
**PTI Application: 01-12175**  
**Issued: 4/24/2008**

**Facility ID: 0159000156**

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

SIC CODE 2951 SCC CODE 40301022 EMISSIONS UNIT ID T013

EMISSIONS UNIT DESCRIPTION 500,000 gallon fixed roof storage tank for petroleum asphalt

DATE INSTALLED \_\_\_\_\_ 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					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	Attainment				
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? 40 CFR 60 Subpart Kb PSD? OFFSET POLICY?

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

**Enter Determination** compliance with all regulations and emission limitations. Monitoring and record keeping is required to ensure ongoing compliance.

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 \_\_\_\_\_ NO

**Asphalt Technologies L.L.C.**  
**PTI Application: 01-12175**  
**Issued: 4/24/2008**

**Facility ID: 0159000156**

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

SIC CODE 2951 SCC CODE 40301022 EMISSIONS UNIT ID T014

EMISSIONS UNIT DESCRIPTION 250,000 gallon fixed roof storage tank for petroleum asphalt

DATE INSTALLED \_\_\_\_\_ 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					
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds	Attainment				
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? **40 CFR 60** PSD? OFFSET POLICY?  
 Subpart Kb

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**  
 Enter Determination compliance with all regulations and emission limitations. Monitoring and record keeping is required to ensure ongoing compliance.

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 \_\_\_\_\_ NO

**Asphalt Technologies L.L.C.**

**PTI Application: 01-12175**

**Issued: 4/24/2008**

**Facility ID:**

**0159000156**

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_