

Facility ID: 1652050077 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit P023](#)
- [Go to Part II for Emissions Unit T005](#)
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Facility ID: 1652050077 Emissions Unit ID: P023 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
P023 - TBS Process - aqueous soap-based asphalt waterproofing dispersions in-line blending process - controlled with a baghouse	OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07, 3745-17-11, and 3745-21-07(G)(2). Organic compound (OC) emissions shall not exceed 1.4 lbs/hr and 6.13 tons/year. Particulate matter (PM) emissions shall not exceed 2.0 lbs/hr and 8.76 tons/year. The hourly emission limitations outlined are based upon the emission unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limitations. 10% opacity as a 6-minute average See A.2.a below. See A.2.a below. See A.2.a below.
	OAC rule 3745-17-07	
	OAC rule 3745-17-11	
	OAC rule 3745-21-07(G)(2)	

2. Additional Terms and Conditions

- (a) The emissions limitation based on this applicable rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within a range of 0.5 to 6 inches of water while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and

maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

2. The permittee shall collect and record the following information for each and every day of production:
 - a. The number of batches produced in the emissions unit; and
 - b. The daily cycle time for the emissions unit, in hours.

D. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Terms and Condition A.2 of this permit.

E. Testing Requirements

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

Organic compound (OC) emissions shall not exceed 1.4 lbs/hr and 6.13 tons/year.

Applicable Compliance Method:

Compliance with the hourly emission limitation can be demonstrated by calculations representing the worst-case potential to emit.

Maximum Process Operation Emission factor (# OC/batch)
 Filling to TBS01 0.32
 Packaging from TBS02 0.32
 Filling TT from AST17 0.38
 Filling TT from AST18 0.38
 Total 1.4

Emission factors based on working/breathing losses from filling of tanks and based on USEPA tanks 4.0 program with all emissions being composed of mineral spirits. Calculation results in hourly emission as worst case batch time submitted of 1 hour. Thus, maximum hourly potential to emit is 1.4 lbs/hr OC.

The annual emission limitation was developed by multiplying the hourly mass emission limitation by 8760 hours per year and dividing by 2000 to convert to tons. Therefore, compliance with the annual limitation will be ensured if compliance with the hourly limitation is maintained.
Emission Limitation:

Particulate matter (PM) emissions shall not exceed 2.0 lbs/hr and 8.76 tons/year.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the hourly emission limitation by testing in accordance with USEPA Methods 1 - 5, 40 CFR Part 60, Appendix A.

The annual emission limitation was developed by multiplying the hourly mass emission limitation by 8760 hours per year and dividing by 2000 to convert to tons. Therefore, compliance with the annual limitation will be ensured if compliance with the hourly limitation is maintained.
Emission Limitation:

10% opacity as a 6-minute average

Applicable Compliance Method:

OAC rule 3745-17-03(B)(1)

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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Facility ID: 1652050077 Emissions Unit ID: T005 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with

ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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 - AST-01 - 20,000 gallon heated asphalt fixed roof storage tank with submerged fill	OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L) and 40 CFR Part 60, Subpart Kb. Organic compounds (OC) emissions shall not exceed 0.1 tons per year. The annual emission limitation is based upon the emission unit's Potential to Emit (PTE). Therefore, no annual records are required to demonstrate compliance with these limitations. Exempt, See A.2.a below.
	OAC rule 3745-21-09(L)(2)	Exempt; See B.1, and C.1 below.
	40 CFR Part 60, Subpart Kb	

2. Additional Terms and Conditions

- (a) In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

1. 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 2.176 pounds per square inch absolute (15kPa), unless such tank complies with the requirements of 40 CFR Part 60, Subpart Kb.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the source.
2. The permittee shall maintain records of the following:
 - 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 liquid that has a maximum true vapor pressure greater than 2.176 pounds per square inch absolute (15 kPa).

D. Reporting Requirements

1. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 2.176 pounds per square inch absolute (15 kPa) and such tank does not comply with 40 CFR Part 60, Subpart Kb, the permittee shall so notify the Director (the appropriate Ohio EPA District Office of local air agency) within 30 days of becoming aware of the occurrence.

E. Testing Requirements

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

Organic compounds (OC) emissions shall not exceed 0.1 tons per year.

Applicable Compliance Method:

Compliance with the tons per year limitation shall be determined using USEPA's Tanks 4.0 program.

F. Miscellaneous Requirements

1. None

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Facility ID: 1652050077 Emissions Unit ID: T006 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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 - AST-03 - 30,000 gallon heated asphalt fixed roof storage tank with submerged fill	OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L) and 40 CFR Part 60, Subpart Kb. Organic compounds (OC) emissions shall not exceed 0.1 tons per year. The annual emission limitation is based upon the emission unit's Potential to Emit (PTE). Therefore, no annual records are required to demonstrate compliance with these limitations.
	OAC rule 3745-21-09(L)(2)	Exempt, See A.2.a below. Exempt; See B.1, and C.1 below.
	40 CFR Part 60, Subpart Kb	

2. Additional Terms and Conditions

- (a) In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

1. 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 2.176 pounds per square inch absolute (15kPa), unless such tank complies with the requirements of 40 CFR Part 60, Subpart Kb.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the source.
2. The permittee shall maintain records of the following:
 - 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 liquid that has a maximum true vapor pressure greater than 2.176 pounds per square inch absolute (15 kPa).

D. Reporting Requirements

1. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 2.176 pounds per square inch absolute (15 kPa) and such tank does not comply with 40 CFR Part 60, Subpart Kb, the permittee shall so notify the Director (the appropriate Ohio EPA District Office of local air agency) within 30 days of becoming aware of the occurrence.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.I of these terms and conditions shall be determined in

accordance with the following methods:

Emission Limitations:

Organic compounds (OC) emissions shall not exceed 0.1 tons per year.

Applicable Compliance Method:

Compliance with the tons per year limitation shall be determined using USEPA's Tanks 4.0 program.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 1652050077 Emissions Unit ID: T007 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

- 1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
- 2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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 - AST-17 - 20,000 gallon TBS fixed roof storage tank with submerged fill	OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L) and 40 CFR Part 60, Subpart Kb. Organic compounds (OC) emissions shall not exceed 0.35 tons per year. The annual emission limitation is based upon the emission unit's Potential to Emit (PTE). Therefore, no annual records are required to demonstrate compliance with these limitations.
	OAC rule 3745-21-09(L)(2)	Exempt, See A.2.a below. Exempt; See B.1, and C.1 below.
	40 CFR Part 60, Subpart Kb	

2. Additional Terms and Conditions

- (a) In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

- 1. 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 2.176 pounds per square inch absolute (15kPa), unless such tank complies with the requirements of 40 CFR Part 60, Subpart Kb.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the source.
- 2. The permittee shall maintain records of the following:
 - 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 liquid that has a maximum true vapor pressure greater than 2.176 pounds per square inch absolute (15 kPa).
- D. **Reporting Requirements**
 - 1. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 2.176 pounds per square inch absolute (15 kPa) and such tank does not comply with 40 CFR Part 60, Subpart Kb, the permittee shall so notify the Director (the appropriate Ohio EPA District Office of local air agency) within 30 days of becoming aware of the occurrence.
- E. **Testing Requirements**
 - 1. Compliance with the emission limitations in Section A.I of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitations:

Organic compounds (OC) emissions shall not exceed 0.35 tons per year.

Applicable Compliance Method:

Compliance with the tons per year limitation shall be determined using USEPA's Tanks 4.0 program.
- F. **Miscellaneous Requirements**
 - 1. None

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Facility ID: 1652050077 Emissions Unit ID: T008 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

- 1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
- 2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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 - AST-18 - 20,000 gallon TBS fixed roof storage tank with submerged fill	OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L) and 40 CFR Part 60, Subpart Kb. Organic compounds (OC) emissions shall not exceed 0.35 tons per year. The annual emission limitation is based upon the emission unit's Potential to Emit (PTE). Therefore, no annual records are required to demonstrate compliance with these limitations. Exempt, See A.2.a below.
	OAC rule 3745-21-09(L)(2)	Exempt; See B.1, and C.1 below.
	40 CFR Part 60, Subpart Kb	

- 2. **Additional Terms and Conditions**
 - (a) In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

1. 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 2.176 pounds per square inch absolute (15kPa), unless such tank complies with the requirements of 40 CFR Part 60, Subpart Kb.
- C. Monitoring and/or Record Keeping Requirements**
1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of the source.
 2. The permittee shall maintain records of the following:
 - 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 liquid that has a maximum true vapor pressure greater than 2.176 pounds per square inch absolute (15 kPa).
- D. Reporting Requirements**
1. If the permittee places, stores, or holds any petroleum liquid with a true vapor pressure which is greater than 2.176 pounds per square inch absolute (15 kPa) and such tank does not comply with 40 CFR Part 60, Subpart Kb, the permittee shall so notify the Director (the appropriate Ohio EPA District Office of local air agency) within 30 days of becoming aware of the occurrence.
- E. Testing Requirements**
1. Compliance with the emission limitations in Section A.I of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitations:

Organic compounds (OC) emissions shall not exceed 0.35 tons per year.

Applicable Compliance Method:

Compliance with the tons per year limitation shall be determined using USEPA's Tanks 4.0 program.
- F. Miscellaneous Requirements**
1. None