



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL  
MEDINA COUNTY**

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 16-02373**

**Fac ID: 1652050077**

**DATE: 9/23/2004**

Republic Powdered Metals  
Glenn Strasshofer  
3735 Green Rd  
Beachwood, OH 44122

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 by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

Sincerely,

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

CC: USEPA

ARAQMD



---

**Permit To Install  
Terms and Conditions**

**Issue Date: 9/23/2004  
Effective Date: 9/23/2004**

---

**FINAL PERMIT TO INSTALL 16-02373**

Application Number: 16-02373  
Facility ID: 1652050077  
Permit Fee: **\$1450**  
Name of Facility: Republic Powdered Metals  
Person to Contact: Glenn Strasshofer  
Address: 3735 Green Rd  
Beachwood, OH 44122

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**2628 Pearl Rd  
Medina, Ohio**

Description of proposed emissions unit(s):  
**Four Storage Tanks, TBS Manufacturing Process.**

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## Part I - GENERAL TERMS AND CONDITIONS

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

#### 1. Compliance Requirements

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

#### 2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping 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 record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

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

#### 4. Inspections and Information Requests

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

**Republic Powdered Metals**  
**PTI Application: 16-02373**  
**Issued: 9/23/2004**

**Facility ID: 1652050077**

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

**Republic Powdered Metals**  
**PTI Application: 16-02373**  
**Issued: 9/23/2004**

**Facility ID: 1652050077**

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.

Republic Powdered Metals  
 PTI Application: 16-02373  
 Issued: 9/23/2004

Facility ID: 1652050077

#### 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>
OC	7.03
PM	8.76

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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.
	OAC rule 3745-17-07	10% opacity as a 6-minute average
	OAC rule 3745-17-11	See A.2.a below.
	OAC rule 3745-21-07(G)(2)	See A.2.a below.

See A.2.a below.

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

- 2.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 4 to 7 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:

a. 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.

b. 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

Emissions Unit ID: **P023**

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.

c. 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.

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
T005 - 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.
	OAC rule 3745-21-09(L)(2)	Exempt, See A.2.a below.
	40 CFR Part 60, Subpart Kb	Exempt; See B.1, and C.1 below.

**2. Additional Terms and Conditions**

- 2.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:
  - a. Emission Limitations:

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

Applicable Compliance Method:

**Republic Powdered Metals**  
**PTI Application: 16-02272**  
**Issued**

**Facility ID: 1652050077**

Emissions Unit ID: **T005**

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

**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.

<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.
	OAC rule 3745-21-09(L)(2)	Organic compounds (OC) emissions shall not exceed 0.1 ton per year.
	40 CFR Part 60, Subpart Kb	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.
		Exempt; See B.1, and C.1 below.

**2. Additional Terms and Conditions**

- 2.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:
  - a. Emission Limitations:

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

Applicable Compliance Method:

16

**Reput**  
**PTI A**  
**Issued: 9/23/2004**

Emissions Unit ID: **T006**

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

**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.

<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.
	OAC rule 3745-21-09(L)(2)	Organic compounds (OC) emissions shall not exceed 0.35 ton per year.
	40 CFR Part 60, Subpart Kb	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.  Exempt; See B.1, and C.1 below.

**2. Additional Terms and Conditions**

- 2.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:
  - a. Emission Limitations:  
  
Organic compounds (OC) emissions shall not exceed 0.35 ton per year.  
  
Applicable Compliance Method:  
  
Compliance with the tons per year limitation shall be determined using USEPA's Tanks

19

**Reput**

**PTI A**

**Issued: 9/23/2004**

Emissions Unit ID: **T007**

4.0 program.

**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.

<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.
	OAC rule 3745-21-09(L)(2)	Organic compounds (OC) emissions shall not exceed 0.35 ton per year.
	40 CFR Part 60, Subpart Kb	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.
		Exempt; See B.1, and C.1 below.

**2. Additional Terms and Conditions**

- 2.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:
  - a. Emission Limitations:

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

Applicable Compliance Method:

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

22

**Reput**

**PTI A**

**Issued: 9/23/2004**

Emissions Unit ID: **T008**

4.0 program.

**F. Miscellaneous Requirements**

None

Emissions Unit ID: **T008**

SIC CODE 2851 SCC CODE 3-05-001-98 EMISSIONS UNIT ID P023

EMISSIONS UNIT DESCRIPTION TBS Process

DATE INSTALLED 10/04

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			8.76		8.76
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds			6.13		6.13
Nitrogen Oxides					
Carbon Monoxide					
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?

**baghouse**

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 containinants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES \_\_\_\_\_ NO

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







Reput  
PTI A  
Issued: 9/23/2004

Emissions Unit ID: T008

SIC CODE 2851 SCC CODE 4-03-001-98 EMISSIONS UNIT ID T008  
EMISSIONS UNIT DESCRIPTION AST-18  
DATE INSTALLED 10/04

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			.35		.35
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? Kb                      NESHAP?                      PSD?                      OFFSET POLICY?

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

**compliance with additional terms and conditions**

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

NO

IDENTIFY THE AIR CONTAMINANTS: