

Facility ID: 0448010984 Issuance type: Draft 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.

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Facility ID: 0448010984 Emissions Unit ID: T001 Issuance type: Draft 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>
3,360,000 gallon internal floating roof storage tank/ Tank No. 3501	OAC rule 3745-21-09(L)	See Section B.1.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.a, A.2.b, B.2 and B.3.

**2. Additional Terms and Conditions**

- (a) The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations. The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.

**B. Operational Restrictions**

1. The permittee shall install the following control equipment and shall maintain tank vents, seals, and or covers as follows:
  - a. The fixed roof storage tank shall be equipped with an internal floating roof.
  - b. The automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports; and the rim vents, if present, shall be set to open or at the manufacturer's recommended setting when the roof is being floated off the roof leg supports.
  - c. All openings, except stub drains, shall be equipped with a cover, seal, or lid which is to be in a closed position at all times, except when in actual use for tank gauging or sampling.
2. The combined annual throughput for emissions units T001, T002, T004, T006, T009, and T011 shall not exceed 670,000,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.
3. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than RVP 15.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the throughput of each product for each month;

- b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T001, T002, T004, T006, T009 and T011;
- c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;
- d. the number of roof landings for this emissions unit;
- e. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and
- f. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

**D. Reporting Requirements**

- 1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:
  - a. combined throughput limitation;
  - b. vapor pressure limitation;
  - c. rolling, 12-month facility-wide VOC emission limitation; and
  - d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.a) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*  
 2,2,4-Trimethylpentane: 0.95315  
 Benzene: 0.62539  
 Biphenyl: 0.2  
 Cresol: 0.00065  
 Cumene: 0.1  
 Ethylbenzene: 0.2  
 Hexane: 4.42761  
 MTBE: 0.2  
 Naphthalene: 0.08908  
 Phenol: 0.01278  
 Styrene: 0.08817  
 Toluene: 0.84213  
 Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0448010984 Emissions Unit ID: T002 Issuance type: Draft 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>
3,360,000 gallon internal floating roof storage tank/ Tank No. 3502	OAC rule 3745-31-05(A)(3) (PTI 04-01463 issued 12/19/2006)	Volatile organic compound (VOC) emissions shall not exceed 13.8 tons per year; and  see section A.2.a.
	OAC rule 3745-21-09(L)	See Section A.2.b.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.c, A.2.d, B.2 and B.3.
	40 CFR Part 60, Subpart Kb	See Section A.2.f and B.1.
	40 CFR Part 60, Subpart A	See Section A.2.e.

**2. Additional Terms and Conditions**

- (a) 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.  
 The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).  
 The emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP, and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.  
 The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.  
 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are pertinent to emissions units affected by 40 CFR Part 60.  
 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 equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications:
  - a. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
  - b. Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
    - . i. A foam-or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam-or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
    - . ii. Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
    - . iii. A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated

fabric (envelope) spans the annular space between the metal sheet and the floating roof.

- c. Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
- d. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- e. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- f. Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
- g. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- h. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- i. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

- 2. The combined annual throughput for emissions units T001, T002, T004, T006, T009, and T011 shall not exceed 670,000,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.
- 3. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than RVP 15.

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

- 1. The permittee shall:

- a. Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with volatile organic liquid (VOL). If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

- b. For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Toledo Division of Environmental Services in the inspection report required in 40 CFR 60.115b(a)(3) [see Section D.1]. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

- c. For vessels equipped with a double-seal system as specified in 40 CFR 60.112b(a)(1)(ii)(B) [see Section B.1.b.ii]:

- i. Visually inspect the vessel as specified in paragraph d. of this section at least every 5 years; or

- ii. Visually inspect the vessel as specified in paragraph b. of this section.

- d. Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs b. and c.ii of this section and at intervals no greater than 5 years in the case of vessels specified in paragraph c.i of this section.

- e. Notify the Toledo Division of Environmental Services in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs a. and d. of this section to afford the Toledo Division of Environmental Services the opportunity to have an observer present. If the inspection required by paragraph d. of this section is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the Toledo Division of Environmental Services at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Toledo Division of Environmental Services at least 7 days prior to the refilling.

- 2. The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept for the life of the storage vessel.

- 3. The permittee shall maintain monthly records of the following information:

- a. the throughput of each product for each month;

- b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T001, T002, T004, T006, T009 and T011;

- c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;

- d. the number of roof landings for this emissions unit;

e. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and

f. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

4. The Permittee shall meet the following requirements.

a. Keep a record of each inspection performed as required by Section C.1.a, C.1.b, C.1.c, and C.1.d. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

**D. Reporting Requirements**

1. a. If any of the conditions described in C.1.b are detected during the annual visual inspection required by Section C.1.b, a report shall be furnished to the Toledo Division of Environmental Services within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

b. After each inspection required by Section C.1.c that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in Section C.1.c.ii, a report shall be furnished to the Toledo Division of Environmental Services within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of Section B.1 and list each repair made.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:

a. combined throughput limitation;

b. vapor pressure limitation;

c. rolling, 12-month facility-wide VOC emission limitation; and

d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

VOC emissions shall not exceed 13.8 tons per year

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software including emissions from roof landing evaporation losses. The actual vapor pressure and throughput recorded under Section C.3 shall be used in the calculation. This calculation shall also include a separate calculation of the roof landing evaporation losses based on the number of roof landings recorded under Section C.3.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.c) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*

2,2,4-Trimethylpentane: 0.95315

Benzene: 0.62539

Biphenyl: 0.2

Cresol: 0.00065

Cumene: 0.1

Ethylbenzene: 0.2

Hexane: 4.42761

MTBE: 0.2

Naphthalene: 0.08908

Phenol: 0.01278

Styrene: 0.08817

Toluene: 0.84213

Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

Emission Limitation:

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.

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Facility ID: 0448010984 Emissions Unit ID: T004 Issuance type: Draft 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>
3,360,000 gallon internal floating roof storage tank/ Tank No. 3504	OAC rule 3745-21-09(L)	See Section B.1.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.a, A.2.b, B.2 and B.3.

**2. Additional Terms and Conditions**

- (a) The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations. The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.

**B. Operational Restrictions**

1. The permittee shall install the following control equipment and shall maintain tank vents, seals, and or covers as follows:
  - a. The fixed roof storage tank shall be equipped with an internal floating roof.
  - b. The automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports; and the rim vents, if present, shall be set to open or at the manufacturer's recommended setting when the roof is being floated off the roof leg supports.
  - c. All openings, except stub drains, shall be equipped with a cover, seal, or lid which is to be in a closed position at all times, except when in actual use for tank gauging or sampling.
2. The combined annual throughput for emissions units T001, T002, T004, T006, T009, and T011 shall not exceed 670,000,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.

3. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than RVP 15.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the throughput of each product for each month;
  - b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T001, T002, T004, T006, T009 and T011;
  - c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;
  - d. the number of roof landings for this emissions unit;
  - e. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and
  - f. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:
  - a. combined throughput limitation;
  - b. vapor pressure limitation;
  - c. rolling, 12-month facility-wide VOC emission limitation; and
  - d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.a) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*  
 2,2,4-Trimethylpentane: 0.95315  
 Benzene: 0.62539  
 Biphenyl: 0.2  
 Cresol: 0.00065  
 Cumene: 0.1  
 Ethylbenzene: 0.2  
 Hexane: 4.42761

MTBE: 0.2

Naphthalene: 0.08908  
 Phenol: 0.01278  
 Styrene: 0.08817  
 Toluene: 0.84213  
 Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0448010984 Emissions Unit ID: T005 Issuance type: Draft 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>
3,360,000 gallon internal floating roof storage tank/ Tank No. 3505	OAC rule 3745-21-09(L)	See Section A.2.a.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.b, A.2.c, B.1 and B.2.

**2. Additional Terms and Conditions**

- (a) The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-35-07(B)(2).  
 The emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP, and 24.5 tons per year for any combination of HAPs, as rolling 12-month summations.  
 The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.

**B. Operational Restrictions**

1. The combined annual throughput for emissions units T005, T007 and T008 shall not exceed 362,880,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.
2. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than 0.0045 psia.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the throughput of each product for each month;
  - b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T005, T007, and T008;
  - c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;
  - d. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and
  - e. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:
  - a. combined throughput limitation;
  - b. vapor pressure limitation;
  - c. rolling, 12-month facility-wide VOC emission limitation; and
  - d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.a) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*

2,2,4-Trimethylpentane: 0.95315

Benzene: 0.62539

Biphenyl: 0.2

Cresol: 0.00065

Cumene: 0.1

Ethylbenzene: 0.2

Hexane: 4.42761

MTBE: 0.2

Naphthalene: 0.08908

Phenol: 0.01278

Styrene: 0.08817

Toluene: 0.84213

Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0448010984 Emissions Unit ID: T006 Issuance type: Draft 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>
3,360,000 gallon internal floating roof storage tank/ Tank No. 3511	OAC rule 3745-21-09(L)	See Section B.1.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.a, A.2.b, B.2 and B.3.

**2. Additional Terms and Conditions**

- (a) The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations. The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.

**B. Operational Restrictions**

1. The permittee shall install the following control equipment and shall maintain tank vents, seals, and or covers as follows:
  - a. The fixed roof storage tank shall be equipped with an internal floating roof.
  - b. The automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports; and the rim vents, if present, shall be set to open or at the manufacturer's recommended setting when the roof is being floated off the roof leg supports.
  - c. All openings, except stub drains, shall be equipped with a cover, seal, or lid which is to be in a closed position at all times, except when in actual use for tank gauging or sampling.
2. The combined annual throughput for emissions units T001, T002, T004, T006, T009, and T011 shall not exceed 670,000,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.
3. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than RVP 15.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the throughput of each product for each month;
  - b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T001, T002, T004, T006, T009 and T011;
  - c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;
  - d. the number of roof landings for this emissions unit;
  - e. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and
  - f. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:
  - a. combined throughput limitation;
  - b. vapor pressure limitation;
  - c. rolling, 12-month facility-wide VOC emission limitation; and
  - d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no

deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.a) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*

2,2,4-Trimethylpentane: 0.95315

Benzene: 0.62539

Biphenyl: 0.2

Cresol: 0.00065

Cumene: 0.1

Ethylbenzene: 0.2

Hexane: 4.42761

MTBE: 0.2

Naphthalene: 0.08908

Phenol: 0.01278

Styrene: 0.08817

Toluene: 0.84213

Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0448010984 Emissions Unit ID: T007 Issuance type: Draft 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>
3,360,000 gallon fixed roof storage tank/ Tank No. 3512	OAC rule 3745-21-09(L)	See Section A.2.a.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.b, A.2.c, B.1 and B.2.

**2. Additional Terms and Conditions**

- (a) The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-35-07(B)(2). The emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP, and 24.5 tons per year for any combination of HAPs, as rolling 12-month summations. The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.

**B. Operational Restrictions**

1. The combined annual throughput for emissions units T005, T007 and T008 shall not exceed 362,880,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.
2. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than 0.0045 psia.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the throughput of each product for each month;
  - b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T005, T007, and T008;
  - c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;
  - d. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and
  - e. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:
  - a. combined throughput limitation;
  - b. vapor pressure limitation;
  - c. rolling, 12-month facility-wide VOC emission limitation; and
  - d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this

facility.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.a) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*

2,2,4-Trimethylpentane: 0.95315

Benzene: 0.62539

Biphenyl: 0.2

Cresol: 0.00065

Cumene: 0.1

Ethylbenzene: 0.2

Hexane: 4.42761

MTBE: 0.2

Naphthalene: 0.08908

Phenol: 0.01278

Styrene: 0.08817

Toluene: 0.84213

Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0448010984 Emissions Unit ID: T008 Issuance type: Draft 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>
3,360,000 gallon fixed roof storage tank/ Tank No. 3513	OAC rule 3745-21-09(L)	See Section A.2.a.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.b, A.2.c, B.1 and B.2.

**2. Additional Terms and Conditions**

- (a) The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-35-07(B)(2).  
The emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP, and 24.5 tons per year for any combination of HAPs, as rolling 12-month summations.  
The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.

**B. Operational Restrictions**

1. The combined annual throughput for emissions units T005, T007 and T008 shall not exceed 362,880,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.
2. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than 0.0045 psia.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the throughput of each product for each month;
  - b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T005, T007, and T008;
  - c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;
  - d. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and
  - e. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:
  - a. combined throughput limitation;
  - b. vapor pressure limitation;
  - c. rolling, 12-month facility-wide VOC emission limitation; and
  - d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.a) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*  
2,2,4-Trimethylpentane: 0.95315  
Benzene: 0.62539  
Biphenyl: 0.2  
Cresol: 0.00065

- Cumene: 0.1
- Ethylbenzene: 0.2
- Hexane: 4.42761
- MTBE: 0.2
- Naphthalene: 0.08908
- Phenol: 0.01278
- Styrene: 0.08817
- Toluene: 0.84213
- Xylenes: 0.8
- \* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

**F. Miscellaneous Requirements**

- 1. All terms and conditions for this emissions unit are federally enforceable.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0448010984 Emissions Unit ID: T009 Issuance type: Draft 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>
3,360,000 gallon internal floating roof storage tank/ Tank No. 3514	OAC rule 3745-21-09(L)	See Section B.1.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.a, A.2.b, B.2 and B.3.

**2. Additional Terms and Conditions**

- (a) The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations. The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.

**B. Operational Restrictions**

- 1. The permittee shall install the following control equipment and shall maintain tank vents, seals, and or covers as follows:
  - a. The fixed roof storage tank shall be equipped with an internal floating roof.
  - b. The automatic bleeder vents shall be closed at all times except when the roof is floated off or landed on the roof leg supports; and the rim vents, if present, shall be set to open or at the manufacturer's recommended setting when the roof is being floated off the roof leg supports.
  - c. All openings, except stub drains, shall be equipped with a cover, seal, or lid which is to be in a closed position at all times, except when in actual use for tank gauging or sampling.
- 2. The combined annual throughput for emissions units T001, T002, T004, T006, T009, and T011 shall not exceed 670,000,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.
- 3. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than RVP 15.

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

- 1. The permittee shall maintain monthly records of the following information:
  - a. the throughput of each product for each month;

- b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T001, T002, T004, T006, T009 and T011;
- c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;
- d. the number of roof landings for this emissions unit;
- e. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and
- f. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

**D. Reporting Requirements**

- 1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:
  - a. combined throughput limitation;
  - b. vapor pressure limitation;
  - c. rolling, 12-month facility-wide VOC emission limitation; and
  - d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.a) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*  
 2,2,4-Trimethylpentane: 0.95315  
 Benzene: 0.62539  
 Biphenyl: 0.2  
 Cresol: 0.00065  
 Cumene: 0.1  
 Ethylbenzene: 0.2  
 Hexane: 4.42761  
 MTBE: 0.2  
 Naphthalene: 0.08908  
 Phenol: 0.01278  
 Styrene: 0.08817  
 Toluene: 0.84213  
 Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0448010984 Emissions Unit ID: T010 Issuance type: Draft 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>
42,242 gallon fixed roof storage tank/ Tank No. 3509	OAC rule 3745-35-03(H)  OAC rule 3745-35-07(B)(2)	This emissions unit is exempt from the requirements of OAC rule 3745-21-09(L).  See Sections A.2.a, A.2.b, B.1 and B.2.

2. **Additional Terms and Conditions**
  - (a) The emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP, and 24.5 tons per year for any combination of HAPs, as rolling 12-month summations. The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.

**B. Operational Restrictions**

1. The maximum annual throughput for this emissions unit shall not exceed 1,056,050 gallons, based upon a rolling, 12-month summation of the monthly throughputs.
2. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than 2.75 psia.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the throughput of each product for each month;
  - b. the rolling, 12-month summation of the monthly throughput for this emissions unit;
  - c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;
  - d. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and
  - e. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:
  - a. throughput limitation;
  - b. vapor pressure limitation;
  - c. rolling, 12-month facility-wide VOC emission limitation; and
  - d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with

the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.a) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*

2,2,4-Trimethylpentane: 0.95315

Benzene: 0.62539

Biphenyl: 0.2

Cresol: 0.00065

Cumene: 0.1

Ethylbenzene: 0.2

Hexane: 4.42761

MTBE: 0.2

Naphthalene: 0.08908

Phenol: 0.01278

Styrene: 0.08817

Toluene: 0.84213

Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0448010984 Emissions Unit ID: T011 Issuance type: Draft 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>
1,680,000 gallon internal floating roof storage tank/ Tank No. 3506	OAC rule 3745-31-02(A)(2) (PTI 04-1463 issued 12/19/2006)	Volatile organic compound (VOC) emissions shall be less than 10.0 tons per year.
	OAC rule 3745-21-09(L)	See Section A.2.a.
	OAC rule 3745-35-07(B)(2)	See Sections A.2.b, A.2.c, B.2 and B.3.
	40 CFR Part 60, Subpart Kb	See Sections A.2.e and B.1.
	40 CFR Part 60, Subpart A	See Section A.2.d.

2. **Additional Terms and Conditions**

(a) The requirements specified by this rule are less stringent than the requirements of 40 CFR Part 60, Subpart Kb.  
 The emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP, and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.  
 The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year as a rolling, 12-month summation of the monthly emissions.  
 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are pertinent to emissions units affected by 40 CFR Part 60.  
 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 equip the storage vessel with a fixed roof in combination with an internal floating roof meeting the following specifications:

- a. The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying, or refilling shall be continuous and shall be accomplished as rapidly as possible.
- b. Each internal floating roof shall be equipped with one of the following closure devices between the wall of the storage vessel and the edge of the internal floating roof:
  - . i. A foam-or liquid-filled seal mounted in contact with the liquid (liquid-mounted seal). A liquid-mounted seal means a foam or liquid-filled seal mounted in contact with the liquid between the wall of the storage vessel and the floating roof continuously around the circumference of the tank.
  - . ii. Two seals mounted one above the other so that each forms a continuous closure that completely covers the space between the wall of the storage vessel and the edge of the internal floating roof. The lower seal may be vapor-mounted, but both must be continuous.
  - . iii. A mechanical shoe seal. A mechanical shoe seal is a metal sheet held vertically against the wall of the storage vessel by springs or weighted levers and is connected by braces to the floating roof. A flexible coated fabric (envelope) spans the annular space between the metal sheet and the floating roof.
- c. Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.
- d. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover or lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.
- e. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
- f. Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
- g. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
- h. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
- i. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.

2. The combined annual throughput for emissions units T001, T002, T004, T006, T009, and T011 shall not exceed 670,000,000 gallons, based upon a rolling, 12-month summation of the monthly throughputs.

3. The permittee shall not place, store, or hold in this tank any material which, as stored, has a maximum true vapor pressure greater than RVP 15.

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

1. The permittee shall:

a. Visually inspect the internal floating roof, the primary seal, and the secondary seal (if one is in service), prior to filling the storage vessel with volatile organic liquid (VOL). If there are holes, tears, or other openings in the

primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.

b. For Vessels equipped with a liquid-mounted or mechanical shoe primary seal, visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof at least once every 12 months after initial fill. If the internal floating roof is not resting on the surface of the VOL inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service within 45 days. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30-day extension may be requested from the Toledo Division of Environmental Services in the inspection report required in 40 CFR 60.115b(a)(3) [see Section D.1]. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

c. For vessels equipped with a double-seal system as specified in 40 CFR 60.112b(a)(1)(ii)(B) [see Section B.1.b.ii]:

. i. Visually inspect the vessel as specified in paragraph d. of this section at least every 5 years; or

. ii. Visually inspect the vessel as specified in paragraph b. of this section.

d. Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) each time the storage vessel is emptied and degassed. If the internal floating roof has defects, the primary seal has holes, tears, or other openings in the seal or the seal fabric, or the secondary seal has holes, tears, or other openings in the seal or the seal fabric, or the gaskets no longer close off the liquid surfaces from the atmosphere, or the slotted membrane has more than 10 percent open area, the owner or operator shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with VOL. In no event shall inspections conducted in accordance with this provision occur at intervals greater than 10 years in the case of vessels conducting the annual visual inspection as specified in paragraphs b. and c.ii of this section and at intervals no greater than 5 years in the case of vessels specified in paragraph c.i of this section.

e. Notify the Toledo Division of Environmental Services in writing at least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by paragraphs a. and d. of this section to afford the Toledo Division of Environmental Services the opportunity to have an observer present. If the inspection required by paragraph d. of this section is not planned and the owner or operator could not have known about the inspection 30 days in advance or refilling the tank, the owner or operator shall notify the Toledo Division of Environmental Services at least 7 days prior to the refilling of the storage vessel. Notification shall be made by telephone immediately followed by written documentation demonstrating why the inspection was unplanned. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the Toledo Division of Environmental Services at least 7 days prior to the refilling.

2. The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. This record shall be kept for the life of the storage vessel.

3. The permittee shall maintain monthly records of the following information:

a. the throughput of each product for each month;

b. the rolling, 12-month summation of the combined monthly throughputs for emissions units T001, T002, T004, T006, T009 and T011;

c. a record of the material stored, the period of storage, and the maximum true vapor pressure of that material during the respective storage period;

d. the number of roof landings for this emissions unit;

e. the calculated total HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons; and

f. the calculated rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from all emissions units at this facility in tons.

4. The Permittee shall meet the following requirements.

a. Keep a record of each inspection performed as required by Section C.1.a, C.1.b, C.1.c, and C.1.d. Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed condition of each component of the control equipment (seals, internal floating roof, and fittings).

#### D. Reporting Requirements

1. a. If any of the conditions described in C.1.b are detected during the annual visual inspection required by Section C.1.b, a report shall be furnished to the Toledo Division of Environmental Services within 30 days of the inspection. Each report shall identify the storage vessel, the nature of the defects, and the date the storage vessel was emptied or the nature of and date the repair was made.

b. After each inspection required by Section C.1.c that finds holes or tears in the seal or seal fabric, or defects in the internal floating roof, or other control equipment defects listed in Section C.1.c.ii, a report shall be furnished to the Toledo Division of Environmental Services within 30 days of the inspection. The report shall identify the storage vessel and the reason it did not meet the specifications of Section B.1 and list each repair made.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the:

a. combined throughput limitation;

b. vapor pressure limitation;

c. rolling, 12-month facility-wide VOC emission limitation; and

d. rolling, 12-month facility-wide HAP (individual and combined HAPs) emission limitations.

These reports shall be submitted quarterly to the Toledo Division of Environmental Services in accordance with the reporting requirements specified in Part 1 - General Terms and Conditions, Section A of this permit. If no deviations occurred during a calendar quarter, then the permittee shall submit a quarterly report which states that no deviations occurred during that period.

**E. Testing Requirements**

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

VOC emissions shall be less than 10.0 tons per year.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure and throughput recorded under Section C.3 shall be used in the calculation. This calculation shall also include a separate calculation of the roof landing evaporation losses based on the number of roof landings recorded under Section C.3.

Emission Limitation:

The combined emissions of hazardous air pollutants (HAPs) from all emissions units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall be restricted to 9.9 tons per year for any individual HAP and 24.9 tons per year for any combination of HAPs, as rolling 12-month summations.

Applicable Compliance Method:

Multiply the facility-wide VOC emissions (as calculated in Section E.1.c) in tons per year as a rolling 12-month summation of the monthly VOC emissions by the below HAP emission factors supplied by the permittee to determine the individual HAP emissions in tons per year as a rolling 12-month summation of monthly emissions.

Calculate the summation of all individual HAP emissions in tons per year, as a rolling, 12-month summation of the monthly emissions to determine the emissions in tons per year for any combination of HAPs as a rolling, 12-month summation of the monthly emissions.

The following HAP emission factors were submitted by the permittee.

HAP Emission Factors, wt%\*  
2,2,4-Trimethylpentane: 0.95315  
Benzene: 0.62539  
Biphenyl: 0.2  
Cresol: 0.00065  
Cumene: 0.1  
Ethylbenzene: 0.2  
Hexane: 4.42761  
MTBE: 0.2  
Naphthalene: 0.08908  
Phenol: 0.01278  
Styrene: 0.08817  
Toluene: 0.84213  
Xylenes: 0.8

\* Radian (1995) and API Publication 1673, Table 3-1. The worst case individual HAP emission factor for distillate and gasoline is listed in order to simplify the compliance method.

Emission Limitation:

The combined VOC emissions from all emissions units at this facility shall not exceed 95 tons per year, as a rolling 12-month summation of the monthly emissions.

Applicable Compliance Method:

If required, compliance shall be demonstrated using emission factors contained in AP-42 Section 7.1 dated September 1997, or the latest version of TANKS computer software. The actual vapor pressure, throughput and number of roof landings shall be used in the calculation.

Calculate the monthly VOC emissions from all tanks at the facility using AP-42 Section 7.1 dated 09/1997 or the latest version of TANKS computer software including emissions from roof landing evaporation losses. Determine the monthly facility-wide fugitive VOC emissions from equipment leaks using the light-liquid emission factors in Table 2-3 of EPA-453/R-95-017 "Protocol for Equipment Leak Emission Estimates". Add the monthly VOC emissions from tanks to the monthly VOC emissions from fugitive equipment leaks to determine the total monthly VOC emissions from all emissions units at this facility. Add the monthly total to the total for the previous 11 months to determine the rolling 12-month summation of VOC emissions from all emissions units at this facility.

**F. Miscellaneous Requirements**

1. All terms and conditions for this emissions unit are federally enforceable.