

Facility ID: 0125000276 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: 0125000276 Emissions Unit ID: J001 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-bay truck loading rack for gasoline and distillates loading controlled by a vapor combustion unit (VCU)	OAC rule 3745-21-09(Q)	0.67 pound of VOC per 1,000 gallons (80 mg/l) of gasoline, additives, and interface loaded into the delivery vessel.
	OAC rule 3745-35-07	0.016 pound of VOC per 1,000 gallons of diesel and kerosene loaded into the delivery vessel.
	OAC rule 3745-35-07	The total annual VOC emissions for J001 shall not exceed 99.0 tons per year (including fugitive emissions).
	OAC rule 3745-35-07	The annual combined and individual HAP emissions from all emissions units at the facility shall not exceed 24.9 tons per year and 9.9 tons per year, respectively.

**2. Additional Terms and Conditions**

- (a) None

**B. Operational Restrictions**

1. The loading rack shall be equipped with a vapor collection system whereby during the transfer of gasoline to any delivery vessel all vapors displaced from the delivery vessel during loading are vented only to the vapor collection system
2. A means shall be provided to prevent drainage of gasoline from the loading device when it is not in use or to accomplish complete drainage before the loading device is connected.
3. Compliance with the emission limitations as stated in Section A.1 shall be achieved by restricting annual throughputs of gasoline (i.e., gasoline, additives, and interface) and distillates. The annual throughputs of gasoline and distillates shall not exceed 242,362,403 gallons and 598,597,597 gallons, respectively.  
  
Compliance with the annual gasoline and distillates fuel throughput limitations shall be based upon rolling 12-month summations of the gasoline and distillates fuel throughput quantities.
4. All gasoline loading lines and vapor lines shall be equipped with fittings which are vapor tight.
5. The permittee shall not permit gasoline to be spilled, discarded in sewers, stored in open containers or handled in any other manner that would result in evaporation of the fuel.
6. The permittee shall repair within 15 days any leak from the vapor collection system and vapor control system

when such leak is equal to or greater than 100 percent (100%) of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.

7. Any tank truck used in conjunction with this emissions unit must comply with the requirements of OAC rule 3745-21-09(V), if applicable.
8. The vapor combustion unit (VCU) shall be kept in good working order and shall be used at all times during the transfer of gasoline or distillates into gasoline tank trucks (as defined by 40 CFR 60.501). Any scheduled maintenance or air pollution control equipment shall be performed in accordance with (A) or OAC rule 3745-15-06. The malfunction of any emissions unit or any associated air pollution control system shall be reported to the Ohio EPA Central District Office in accordance with paragraph (B) of OAC rule 3745-15-06.
9. Any tank truck used in conjunction with this emissions unit must comply the requirements of OAC rule 3745-21-09 (V), if applicable.
10. A pilot flame shall be maintained at all times in the flare's pilot light burner during the loading of gasoline.

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

1. The permittee shall maintain monthly records of the following information:
  - a. the total, individual throughputs of gasoline and distillates, in gallons;
  - b. the rolling, 12-month summations of the total individual throughputs of gasoline and distillates, in gallons; and
  - d. the calculated, total HAP (individual and combined HAPs) and VOC emissions and rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons per year.
2. The permittee shall properly operate and maintain a device to continuously monitor the flare's pilot flame when the emissions unit is in operation. The monitoring device shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. This monitoring device shall include an interlock that prevents the loading of gasoline when the flare's pilot flame is not operational.
3. Each business day, the permittee shall verify that the flare's pilot flame and flame sensor are functioning properly when the emissions unit is in operation. The permittee shall record the results of the daily flare pilot flame and flame sensor inspections.

**D. Reporting Requirements**

1. The permittee shall submit semi-annual deviation (excursion) reports which identify exceedances of the following:
  - a. the rolling 12-month limitations on the throughputs of gasoline and distillates.
  - b. all periods in which the flare's pilot flame and flame sensor were not functioning properly when the emissions unit was in operation.

The reports shall be submitted by February 15 and August 15 of each year and shall address the data obtained during the previous six-month calendar period (July to December and January to June, respectively).
2. The permittee shall submit an annual report of the total throughputs, in gallons, for gasoline and distillates during the calendar year, and the estimated total VOC, single HAP, and total HAP emissions at this facility. The report shall be submitted by April 15 of each year and shall address the data obtained for the previous calendar year (January through December).

**E. Testing Requirements**

1. The emission test methods and procedures are those outlined in OAC rule 3745-21-10(E), and specify a minimum of one 6-hour test during which at least 345,600 gallons of gasoline are loaded. (The test should be conducted at the maximum gasoline throughput possible).

Within twelve (12) months prior to the expiration of this permit, the permittee shall conduct or have conducted, an emission test(s) for this emission unit in order to demonstrate continuing compliance with the allowable VOC emission rate. This test shall be done between the months of May through September.

No later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Central District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test, and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Central District Office's refusal to accept the results of the emission test (s).

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

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

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

Emissions Limitation: 0.67 pound VOC per 1,000 gallons of gasoline loaded.  
Applicable Compliance Method: OAC rule 3745-21-10(E)

Emission Limitation: 0.016 pound VOC per thousand gallons of distillates loaded.

Applicable Compliance Method: Use an emission factor from AP-42, 5th Edition, Table 5.2-5, of 0.016 pound of VOC per thousand gallons of kerosene and an emission factor of 0.014 pound VOC per thousand gallons of diesel.

Emission Limitation: 9.9 tons per year for any single HAP and 24.9 tons per year for any combination of HAP's.  
 Applicable Compliance Method: For every individual HAP, multiply the following emission factor by the actual annual VOC emission rate for the year (in tons per year) for all VOC emissions from the facility, including fugitive emissions. These emission factors are based on the liquid weight percent (weight fraction) of each HAP in the gasoline. Speciated emissions were estimated based on the liquid weight percent (weight fraction) of each HAP in the gasoline. Speciated emissions were estimated based on equations found in AP-42, 5th Edition, Section 7.1.4, Hazardous Air Pollutant Speciation Methodology.

- Benzene - 18.0 lbs per ton of VOC
- Ethyl benzene - 2 lbs per ton of VOC
- Hexane - 32.0 lbs per ton of VOC
- Toluene - 26.0 lbs per ton of VOC
- Xylenes - 10.0 lbs per ton of VOC
- 2,2,4-Trimethylpentane - 16.0 lbs per ton VOC
- MTBE - 140.0 lbs per ton of VOC

3. VOC fugitive emissions (e.g., valves, fittings, and pumps) from the loading rack shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
4. VOC emissions from gasoline truck loading operations shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l (0.074 lb VOC/1000 gallons gasoline loaded) from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
5. VOC emissions from storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.

**F. Miscellaneous Requirements**

1. Sections A, B, C, D, E, and F of these terms and conditions constitute the federally enforceable portions of this permit.

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Facility ID: 0125000276 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>
One (1) 2,028,852-gallon gasoline storage tank with internal floating roof	OAC rule 3745-21-09(L)	See A.2 below.
	OAC rule 3745-35-07	Combined annual emissions from all facility emissions units shall not exceed the following as rolling, 12-month summations:  95 tons of volatile organic compounds (VOC); 24 tons of all hazardous air pollutants (HAP); and 9.0 tons of any individual HAP.

**2. Additional Terms and Conditions**

- (a) The fixed roof storage tank shall be equipped with an internal floating roof. 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 provided, shall be set to open when the roof is being floated

off the roof leg supports or is at the manufacturer's recommended setting.

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.

**B. Operational Restrictions**

1. None

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

1. The permittee shall maintain records of the following information:
- the types of petroleum liquids stored in the tank;
  - the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid; and
  - the calculated, total HAP (individual and combined HAPs) and VOC emissions for each month and the rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons.

**D. Reporting Requirements**

- The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for VOC.
- The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for total combined HAPs.
- The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for each individual HAP.
- The permittee shall submit annual reports which specify the following:
  - VOC, total HAPs and individual HAP emissions, in tons, for J001, and all storage tank emission units; and
  - actual throughput levels of gasoline and distillates, in gallons, for J001.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

**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: 95 tons per year of VOC for the entire facility

Applicable Compliance Method: Compliance with this emission limitation shall be based upon the records required pursuant to Section C.1 above.

In order to calculate the VOC emission rates, the permittee shall comply with the following:

- VOC emissions from the storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.
- The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- VOC emissions from the oil water separator shall be based upon the emission factors provided in AP-42, Fifth Edition, Table 5.1-2.
- The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
- The VOC emissions from distillate loading shall be determined using AP-42, Fifth Edition, Equation 5.2-1.
- Emission Limitations: 24 tons per year of combined HAPs for the entire facility and 9.0 tons per year of any individual HAP for the entire facility

Applicable Compliance Method: Compliance with these emission limitations shall be based upon the records required pursuant to Section C.1 above.

The permittee shall calculate the individual and combined HAP emission rates for this facility using the actual total VOC emissions and the facility supplied emission factors as follows:

- benzene - 0.0075306 pound of benzene emissions per pound of VOC emissions
- ethyl benzene - 0.0004673 pound of ethyl benzene emissions per pound of VOC emissions
- hexane - 0.0088215 pound of hexane emissions per pound of VOC emissions
- methyl tert-butyl ether (MTBE) - 0.0603152 pound of MTBE emissions per pound of VOC emissions
- toluene - 0.0031362 pound of toluene emissions per pound of VOC emissions
- xylene - 0.0012151 pound of xylene emissions per pound of VOC emissions
- biphenyl - 0.0296140 pound of biphenyl emissions per pound of VOC emissions
- naphthalene - 0.0495713 pound of naphthalene emissions per pound of VOC emissions

**F. Miscellaneous Requirements**

1. The following terms are considered to be federally enforceable: Sections A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.

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Facility ID: 0125000276 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>
One (1) 886,830-diesel gasoline storage tank with internal floating roof	OAC rule 3745-21-09(L)  OAC rule 3745-35-07	See A.2 below.  Combined annual emissions from all facility emissions units shall not exceed the following as rolling, 12-month summations:  95 tons of volatile organic compounds (VOC); 24 tons of all hazardous air pollutants (HAP); and 9.0 tons of any individual HAP.

**2. Additional Terms and Conditions**

- (a) The fixed roof storage tank shall be equipped with an internal floating roof. 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 provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting. 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.

**B. Operational Restrictions**

1. None

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

1. The permittee shall maintain records of the following information:
  - a. the types of petroleum liquids stored in the tank;
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid; and
  - c. the calculated, total HAP (individual and combined HAPs) and VOC emissions for each month and the rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for VOC.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for total combined HAPs.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for each individual HAP.
4. The permittee shall submit annual reports which specify the following:
  - a. VOC, total HAPs and individual HAP emissions, in tons, for J001 and all storage tank emission units; and
  - b. actual throughput levels of gasoline and distillates, in gallons, for J001.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

**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:
  - a. Emission Limitation: 95 tons per year of VOC for the entire facility

Applicable Compliance Method: Compliance with this emission limitation shall be based upon the records required pursuant to Section C.1 above.

In order to calculate the VOC emission rates, the permittee shall comply with the following:

- i. VOC emissions from the storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.
- ii. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- iii. VOC emissions from the oil water separator shall be based upon the emission factors provided in AP-42, Fifth Edition, Table 5.1-2.
- iv. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
- v. The VOC emissions from distillate loading shall be determined using AP-42, Fifth Edition, Equation 5.2-1.
- b. Emission Limitations: 24 tons per year of combined HAPs for the entire facility and 9.0 tons per year of any individual HAP for the entire facility

Applicable Compliance Method: Compliance with these emission limitations shall be based upon the records required pursuant to Section C.1 above.

The permittee shall calculate the individual and combined HAP emission rates for this facility using the actual total VOC emissions and the facility supplied emission factors as follows:

- i. benzene - 0.0075306 pound of benzene emissions per pound of VOC emissions
- ii. ethyl benzene - 0.0004673 pound of ethyl benzene emissions per pound of VOC emissions
- iii. hexane - 0.0088215 pound of hexane emissions per pound of VOC emissions
- iv. methyl tert-butyl ether (MTBE) - 0.0603152 pound of MTBE emissions per pound of VOC emissions
- v. toluene - 0.0031362 pound of toluene emissions per pound of VOC emissions
- vi. xylene - 0.0012151 pound of xylene emissions per pound of VOC emissions
- vii. biphenyl - 0.0296140 pound of biphenyl emissions per pound of VOC emissions
- viii. naphthalene - 0.0495713 pound of naphthalene emissions per pound of VOC emissions

**F. Miscellaneous Requirements**

1. The following terms are considered to be federally enforceable: Sections A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.

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Facility ID: 0125000276 Emissions Unit ID: T003 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>
One (1) 346,668-gallon kerosene storage tank with internal floating roof	OAC rule 3745-21-09(L)	See A.2 below.
	OAC rule 3745-35-07	Combined annual emissions from all facility emissions

units shall not exceed the following as rolling, 12-month summations:

95 tons of volatile organic compounds (VOC);  
24 tons of all hazardous air pollutants (HAP); and  
9.0 tons of any individual HAP.

**2. Additional Terms and Conditions**

- (a) The fixed roof storage tank shall be equipped with an internal floating roof. 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 provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting. 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.

**B. Operational Restrictions**

1. None

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

1. The permittee shall maintain records of the following information:
- the types of petroleum liquids stored in the tank;
  - the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid; and
  - the calculated, total HAP (individual and combined HAPs) and VOC emissions for each month and the rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons.

**D. Reporting Requirements**

- The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for VOC.
- The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for total combined HAPs.
- The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for each individual HAP.
- The permittee shall submit annual reports which specify the following:
  - VOC, total HAPs and individual HAP emissions, in tons, for J001, and all storage tank emission units; and
  - actual throughput levels of gasoline and distillates, in gallons, for J001.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

**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: 95 tons per year of VOC for the entire facility

Applicable Compliance Method: Compliance with this emission limitation shall be based upon the records required pursuant to Section C.1 above.

In order to calculate the VOC emission rates, the permittee shall comply with the following:

- VOC emissions from the storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.
- The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- VOC emissions from the oil water separator shall be based upon the emission factors provided in AP-42, Fifth Edition, Table 5.1-2.
- The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
- The VOC emissions from distillate loading shall be determined using AP-42, Fifth Edition, Equation 5.2-1.
- Emission Limitations: 24 tons per year of combined HAPs for the entire facility and 9.0 tons per year of any individual HAP for the entire facility

Applicable Compliance Method: Compliance with these emission limitations shall be based upon the records required pursuant to Section C.1 above.

The permittee shall calculate the individual and combined HAP emission rates for this facility using the actual total VOC emissions and the facility supplied emission factors as follows:

- benzene - 0.0075306 pound of benzene emissions per pound of VOC emissions
- ethyl benzene - 0.0004673 pound of ethyl benzene emissions per pound of VOC emissions
- hexane - 0.0088215 pound of hexane emissions per pound of VOC emissions

- iv. methyl tert-butyl ether (MTBE) - 0.0603152 pound of MTBE emissions per pound of VOC emissions
- v. toluene - 0.0031362 pound of toluene emissions per pound of VOC emissions
- vi. xylene - 0.0012151 pound of xylene emissions per pound of VOC emissions
- vii. biphenyl - 0.0296140 pound of biphenyl emissions per pound of VOC emissions
- viii. naphthalene - 0.0495713 pound of naphthalene emissions per pound of VOC emissions

**F. Miscellaneous Requirements**

- 1. The following terms are considered to be federally enforceable: Sections A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.

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**Facility ID: 0125000276 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>
One (1) 1,080,954-gallon gasoline storage tank with internal floating roof	OAC rule 3745-21-09(L)	See A.2 below.
	OAC rule 3745-35-07	Combined annual emissions from all facility emissions units shall not exceed the following as rolling, 12-month summations:  95 tons of volatile organic compounds (VOC); 24 tons of all hazardous air pollutants (HAP); and 9.0 tons of any individual HAP.

**2. Additional Terms and Conditions**

- (a) The fixed roof storage tank shall be equipped with an internal floating roof. 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 provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting. 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.

**B. Operational Restrictions**

- 1. None

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

- 1. The permittee shall maintain records of the following information:
  - a. the types of petroleum liquids stored in the tank;
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid; and
  - c. the calculated, total HAP (individual and combined HAPs) and VOC emissions for each month and the rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons.

**D. Reporting Requirements**

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for VOC.
- 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for total combined HAPs.

3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for each individual HAP.
4. The permittee shall submit annual reports which specify the following:
  - a. VOC, total HAPs and individual HAP emissions, in tons, for J001 and all storage tank emission units; and
  - b. actual throughput levels of gasoline and distillates, in gallons, for J001.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

#### 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:
  - a. Emission Limitation: 95 tons per year of VOC for the entire facility

Applicable Compliance Method: Compliance with this emission limitation shall be based upon the records required pursuant to Section C.1 above.

In order to calculate the VOC emission rates, the permittee shall comply with the following:

- i. VOC emissions from the storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.
- ii. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- iii. VOC emissions from the oil water separator shall be based upon the emission factors provided in AP-42, Fifth Edition, Table 5.1-2.
- iv. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
- v. The VOC emissions from distillate loading shall be determined using AP-42, Fifth Edition, Equation 5.2-1.
- b. Emission Limitations: 24 tons per year of combined HAPs for the entire facility and 9.0 tons per year of any individual HAP for the entire facility

Applicable Compliance Method: Compliance with these emission limitations shall be based upon the records required pursuant to Section C.1 above.

The permittee shall calculate the individual and combined HAP emission rates for this facility using the actual total VOC emissions and the facility supplied emission factors as follows:

- i. benzene - 0.0075306 pound of benzene emissions per pound of VOC emissions
- ii. ethyl benzene - 0.0004673 pound of ethyl benzene emissions per pound of VOC emissions
- iii. hexane - 0.0088215 pound of hexane emissions per pound of VOC emissions
- iv. methyl tert-butyl ether (MTBE) - 0.0603152 pound of MTBE emissions per pound of VOC emissions
- v. toluene - 0.0031362 pound of toluene emissions per pound of VOC emissions
- vi. xylene - 0.0012151 pound of xylene emissions per pound of VOC emissions
- vii. biphenyl - 0.0296140 pound of biphenyl emissions per pound of VOC emissions
- viii. naphthalene - 0.0495713 pound of naphthalene emissions per pound of VOC emissions

#### F. Miscellaneous Requirements

1. The following terms are considered to be federally enforceable: Sections A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.

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

Facility ID: 0125000276 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>
One (1) 8,274-gallon gasoline additive storage tank with internal floating roof	OAC rule 3745-21-09(L)	See A.2 below.
	OAC rule 3745-35-07	Combined annual emissions from all facility emissions units shall not exceed the following as rolling, 12-month summations:  95 tons of volatile organic compounds (VOC); 24 tons of all hazardous air pollutants (HAP); and 9.0 tons of any individual HAP.

2. **Additional Terms and Conditions**

- (a) The fixed roof storage tank shall be equipped with an internal floating roof. 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 provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting. 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.

B. **Operational Restrictions**

1. None

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

1. The permittee shall maintain records of the following information:
  - a. the types of petroleum liquids stored in the tank;
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid; and
  - c. the calculated, total HAP (individual and combined HAPs) and VOC emissions for each month and the rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons.

D. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for VOC.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for total combined HAPs.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for each individual HAP.
4. The permittee shall submit annual reports which specify the following:
  - a. VOC, total HAPs and individual HAP emissions, in tons, for J001, T001, T002, T003, T004 and T005; and
  - b. actual throughput levels of gasoline and distillates, in gallons, for J001.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

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:
  - a. Emission Limitation: 95 tons per year of VOC for the entire facility  
  
Applicable Compliance Method: Compliance with this emission limitation shall be based upon the records required pursuant to Section C.1 above.  
  
In order to calculate the VOC emission rates, the permittee shall comply with the following:
    - i. VOC emissions from the storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.
    - ii. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
    - iii. VOC emissions from the oil water separator shall be based upon the emission factors provided in AP-42, Fifth Edition, Table 5.1-2.
    - iv. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
    - v. The VOC emissions from distillate loading shall be determined using AP-42, Fifth Edition, Equation 5.2-1.
  - b. Emission Limitations: 24 tons per year of combined HAPs for the entire facility and 9.0 tons per year of any

individual HAP for the entire facility

Applicable Compliance Method: Compliance with these emission limitations shall be based upon the records required pursuant to Section C.1 above.

The permittee shall calculate the individual and combined HAP emission rates for this facility using the actual total VOC emissions and the facility supplied emission factors as follows:

- i. benzene - 0.0075306 pound of benzene emissions per pound of VOC emissions
- ii. ethyl benzene - 0.0004673 pound of ethyl benzene emissions per pound of VOC emissions
- iii. hexane - 0.0088215 pound of hexane emissions per pound of VOC emissions
- iv. methyl tert-butyl ether (MTBE) - 0.0603152 pound of MTBE emissions per pound of VOC emissions
- v. toluene - 0.0031362 pound of toluene emissions per pound of VOC emissions
- vi. xylene - 0.0012151 pound of xylene emissions per pound of VOC emissions
- vii. biphenyl - 0.0296140 pound of biphenyl emissions per pound of VOC emissions
- viii. naphthalene - 0.0495713 pound of naphthalene emissions per pound of VOC emissions

**F. Miscellaneous Requirements**

- 1. The following terms are considered to be federally enforceable: Sections A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.

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Facility ID: 0125000276 Emissions Unit ID: Z001 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>
One (1) 2,582,538-gallon diesel storage tank with internal floating roof	OAC rule 3745-21-09(L)  OAC rule 3745-35-07	See A.2 below.  Combined annual emissions from all facility emissions units shall not exceed the following as rolling, 12-month summations:  95 tons of volatile organic compounds (VOC); 24 tons of all hazardous air pollutants (HAP); and 9.0 tons of any individual HAP.

**2. Additional Terms and Conditions**

- (a) The fixed roof storage tank shall be equipped with an internal floating roof. 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 provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting. 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.

**B. Operational Restrictions**

- 1. None

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

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

c. the calculated, total HAP (individual and combined HAPs) and VOC emissions for each month and the rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for VOC.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for total combined HAPs.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for each individual HAP.
4. The permittee shall submit annual reports which specify the following:
  - a. VOC, total HAPs and individual HAP emissions, in tons, for J001 and all storage tank emissions units; and
  - b. actual throughput levels of gasoline and distillates, in gallons, for J001.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

**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:
  - a. Emission Limitation: 95 tons per year of VOC for the entire facility

Applicable Compliance Method: Compliance with this emission limitation shall be based upon the records required pursuant to Section C.1 above.

In order to calculate the VOC emission rates, the permittee shall comply with the following:

- i. VOC emissions from the storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.
- ii. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- iii. VOC emissions from the oil water separator shall be based upon the emission factors provided in AP-42, Fifth Edition, Table 5.1-2.
- iv. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
- v. The VOC emissions from distillate loading shall be determined using AP-42, Fifth Edition, Equation 5.2-1.
- b. Emission Limitations: 24 tons per year of combined HAPs for the entire facility and 9.0 tons per year of any individual HAP for the entire facility

Applicable Compliance Method: Compliance with these emission limitations shall be based upon the records required pursuant to Section C.1 above.

The permittee shall calculate the individual and combined HAP emission rates for this facility using the actual total VOC emissions and the facility supplied emission factors as follows:

- i. benzene - 0.0075306 pound of benzene emissions per pound of VOC emissions
- ii. ethyl benzene - 0.0004673 pound of ethyl benzene emissions per pound of VOC emissions
- iii. hexane - 0.0088215 pound of hexane emissions per pound of VOC emissions
- iv. methyl tert-butyl ether (MTBE) - 0.0603152 pound of MTBE emissions per pound of VOC emissions
- v. toluene - 0.0031362 pound of toluene emissions per pound of VOC emissions
- vi. xylene - 0.0012151 pound of xylene emissions per pound of VOC emissions
- vii. biphenyl - 0.0296140 pound of biphenyl emissions per pound of VOC emissions
- viii. naphthalene - 0.0495713 pound of naphthalene emissions per pound of VOC emissions

**F. Miscellaneous Requirements**

1. The following terms are considered to be federally enforceable: Sections A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.

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

Facility ID: 0125000276 Emissions Unit ID: Z002 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>
One (1) 47,586-gallon interface storage tank with internal floating roof	OAC rule 3745-21-09(L)  OAC rule 3745-35-07	See A.2 below.  Combined annual emissions from all facility emissions units shall not exceed the following as rolling, 12-month summations:  95 tons of volatile organic compounds (VOC); 24 tons of all hazardous air pollutants (HAP); and 9.0 tons of any individual HAP.

**2. Additional Terms and Conditions**

- (a) The fixed roof storage tank shall be equipped with an internal floating roof. 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 provided, shall be set to open when the roof is being floated off the roof leg supports or is at the manufacturer's recommended setting. 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.

**B. Operational Restrictions**

1. None

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

1. The permittee shall maintain records of the following information:
  - a. the types of petroleum liquids stored in the tank;
  - b. the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid; and
  - c. the calculated, total HAP (individual and combined HAPs) and VOC emissions for each month and the rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for VOC.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for total combined HAPs.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for each individual HAP.
4. The permittee shall submit annual reports which specify the following:
  - a. VOC, total HAPs and individual HAP emissions, in tons, for J001 and all storage tank emissions units; and
  - b. actual throughput levels of gasoline and distillates, in gallons, for J001.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

**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:
  - a. Emission Limitation: 95 tons per year of VOC for the entire facility

Applicable Compliance Method: Compliance with this emission limitation shall be based upon the records required pursuant to Section C.1 above.

In order to calculate the VOC emission rates, the permittee shall comply with the following:

  - i. VOC emissions from the storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.

- ii. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- iii. VOC emissions from the oil water separator shall be based upon the emission factors provided in AP-42, Fifth Edition, Table 5.1-2.
- iv. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
- v. The VOC emissions from distillate loading shall be determined using AP-42, Fifth Edition, Equation 5.2-1.
- b. Emission Limitations: 24 tons per year of combined HAPs for the entire facility and 9.0 tons per year of any individual HAP for the entire facility

Applicable Compliance Method: Compliance with these emission limitations shall be based upon the records required pursuant to Section C.1 above.

The permittee shall calculate the individual and combined HAP emission rates for this facility using the actual total VOC emissions and the facility supplied emission factors as follows:

- i. benzene - 0.0075306 pound of benzene emissions per pound of VOC emissions
- ii. ethyl benzene - 0.0004673 pound of ethyl benzene emissions per pound of VOC emissions
- iii. hexane - 0.0088215 pound of hexane emissions per pound of VOC emissions
- iv. methyl tert-butyl ether (MTBE) - 0.0603152 pound of MTBE emissions per pound of VOC emissions
- v. toluene - 0.0031362 pound of toluene emissions per pound of VOC emissions
- vi. xylene - 0.0012151 pound of xylene emissions per pound of VOC emissions
- vii. biphenyl - 0.0296140 pound of biphenyl emissions per pound of VOC emissions
- viii. naphthalene - 0.0495713 pound of naphthalene emissions per pound of VOC emissions

**F. Miscellaneous Requirements**

- 1. The following terms are considered to be federally enforceable: Sections A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.

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

Facility ID: 0125000276 Emissions Unit ID: Z005 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>
One (1) 10,000-gallon interface storage tank with internal floating roof	OAC rule 3745-21-09(L)  OAC rule 3745-35-07	See A.2 below.  Combined annual emissions from all facility emissions units shall not exceed the following as rolling, 12-month summations:  95 tons of volatile organic compounds (VOC); 24 tons of all hazardous air pollutants (HAP); and 9.0 tons of any individual HAP.

**2. Additional Terms and Conditions**

- (a) The fixed roof storage tank shall be equipped with an internal floating roof. 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 provided, shall be set to open when the roof is being floated

off the roof leg supports or is at the manufacturer's recommended setting.

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.

**B. Operational Restrictions**

1. None

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

1. The permittee shall maintain records of the following information:
  - a. the calculated, total HAP (individual and combined HAPs) and VOC emissions for each month and the rolling, 12-month summations of HAP (individual and combined HAPs) and VOC emissions from gasoline and distillates for all emissions units at the facility, in tons.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for VOC.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for total combined HAPs.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month emission limitation for each individual HAP.
4. The permittee shall submit annual reports which specify the following:
  - a. VOC, total HAPs and individual HAP emissions, in tons, for J001 and all storage tank emissions units; and
  - b. actual throughput levels of gasoline and distillates, in gallons, for J001.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

**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:
  - a. Emission Limitation: 95 tons per year of VOC for the entire facility

Applicable Compliance Method: Compliance with this emission limitation shall be based upon the records required pursuant to Section C.1 above.

In order to calculate the VOC emission rates, the permittee shall comply with the following:

- i. VOC emissions from the storage tanks shall be determined using the most recent version of USEPA's "Tanks" program.
- ii. The VOC emissions from fugitive emissions (i.e., valves, flanges, open ended lines, and pumps) shall be determined using EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates."
- iii. VOC emissions from the oil water separator shall be based upon the emission factors provided in AP-42, Fifth Edition, Table 5.1-2.
- iv. The VOC emissions from gasoline truck loading shall be determined using the most recent VOC stack test results and a vapor-tightness loss rate of 9 mg/l from the trucks. The 9 mg/l leakage emission factor is calculated using 0.5% as the average leakage from a truck passing the 3-inch pressure decay test (USEPA, 1980: Bulk Gasoline Terminals - Background Information for Proposed Standards, Table C-4).
- v. The VOC emissions from distillate loading shall be determined using AP-42, Fifth Edition, Equation 5.2-1.
- b. Emission Limitations: 24 tons per year of combined HAPs for the entire facility and 9.0 tons per year of any individual HAP for the entire facility

Applicable Compliance Method: Compliance with these emission limitations shall be based upon the records required pursuant to Section C.1 above.

The permittee shall calculate the individual and combined HAP emission rates for this facility using the actual total VOC emissions and the facility supplied emission factors as follows:

- i. benzene - 0.0075306 pound of benzene emissions per pound of VOC emissions
- ii. ethyl benzene - 0.0004673 pound of ethyl benzene emissions per pound of VOC emissions
- iii. hexane - 0.0088215 pound of hexane emissions per pound of VOC emissions
- iv. methyl tert-butyl ether (MTBE) - 0.0603152 pound of MTBE emissions per pound of VOC emissions
- v. toluene - 0.0031362 pound of toluene emissions per pound of VOC emissions
- vi. xylene - 0.0012151 pound of xylene emissions per pound of VOC emissions
- vii. biphenyl - 0.0296140 pound of biphenyl emissions per pound of VOC emissions
- viii. naphthalene - 0.0495713 pound of naphthalene emissions per pound of VOC emissions

**F. Miscellaneous Requirements**

1. The following terms are considered to be federally enforceable: Sections A, B, C, D, E, and F. The applicant has requested that such restrictions be imposed in order to limit the potential to emit and, therefore, avoid Title V applicability.