

Facility ID: 0250000432 Issuance type: Final State Permit To Operate

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

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

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

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Facility ID: 0250000432 Emissions Unit ID: J001 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
truck loading rack - gasoline loading controlled by a John Zink model ZCT-2-8-35-x-2/8 enclosed ground flare	OAC rule 3745-21-09(Q)	See sections A.2.a through A.2.d and B.1 through B.2.
	OAC rule 3745-35-07(B)(2)	VOC emissions from gasoline loading shall not exceed 0.67 lb/1000 gallons of gasoline loaded into the delivery vessel.  VOC emissions from distillates loading (diesel fuels, fuel oil no. 2, kerosene, and ethanol) shall not exceed 0.016 lb/1000 gallons of distillates loaded into the delivery vessel.
		See sections A.2.e, A.2.f through A.2.g and B.3.

**2. Additional Terms and Conditions**

- (a) The loading rack shall be equipped with a vapor collection system whereby during the transfer of gasoline to any delivery vessel:
  - i. all vapors displaced from the delivery vessel during loading are vented only to the vapor collection system; and
  - ii. the pressure in the vapor collection system is maintained between minus 6 and plus 18 inches of water gauge pressure.  
The loading rack shall be equipped with a vapor control system whereby:
    - i. all vapors collected by the vapor collection system are vented to the vapor control system; and
    - ii. any liquid gasoline returned to a stationary storage tank from the vapor control system is free of entrained air to the extent possible with good engineering design.  
The loading rack shall be provided with a means 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 disconnected.  
All gasoline loading lines and vapor lines shall be equipped with fittings which are vapor tight.  
The total emissions of hazardous air pollutants (HAPs), as identified in Section 112(b) of Title III of the Clean Air Act, from all emissions units including permit to install exempt and "de minimis" emissions units at this facility shall not exceed 9.9 TPY for any individual HAP, as a rolling, 12-month summation of the HAP emissions, and 24.9 TPY for any combination of HAPs, as a rolling, 12-month summation of the HAP emissions. These rolling summations shall begin upon issuance of this permit. The HAPs emitted during the first full calendar month after permit issuance shall be added to the emission total from the previous 11 months of operation to begin the rolling, 12-month summation.

Compliance with the above-mentioned limitations shall be achieved by restricting gasoline, distillates, and additive throughputs. The annual throughputs of gasoline, distillates and additive shall not exceed 200,000,000 gallons, 180,000,000 gallons, and 1,000,000 gallons, respectively. In order to ensure federal enforceability during the first 12 calendar months of operation after the issuance of this permit, the permittee shall not exceed the following maximum allowable, cumulative, throughput limitations (gallons):

Month(s)	Gasoline	Distillates	Additive
1	16,666,666	15,000,000	83,333
1-2	33,333,332	30,000,000	166,666
1-3	49,999,998	45,000,000	249,999
1-4	66,666,664	60,000,000	333,332
1-5	83,333,330	75,000,000	416,665
1-6	99,999,996	90,000,000	499,998
1-7	116,666,662	105,000,000	583,331
1-8	133,333,328	120,000,000	666,664
1-9	149,999,994	135,000,000	749,997
1-10	166,666,660	150,000,000	833,330
1-11	183,333,326	165,000,000	916,663
1-12	200,000,000	180,000,000	1,000,000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual throughput limitations shall be based upon rolling, 12-month summations.

The facility does not currently handle transmix, and only small amounts of distillate (ethanol). The facility currently handles gasoline and a small amount of additives (1/1000 gallons of gasoline) and ethanol, but larger distillate throughput limitations were added for possible future use. Any future use of transmix shall be considered as "gasoline" and included in the gasoline throughput limitation.

The total annual VOC emissions from this emissions unit shall not exceed 75.94 TPY, as a rolling, 12-month summation of the VOC emissions, including 74.5 TPY from gasoline loading (including additives) and 1.44 TPY from distillates loading. This rolling summation shall begin upon issuance of this permit. The VOC emitted during the first full calendar month after permit issuance shall be added to the emission total from the previous 11 months of operation to begin the rolling, 12-month summation.

**B. Operational Restrictions**

1. The permittee shall not permit gasoline to be spilled, discarded into sewers, stored in open containers or handled in any other manner that would result in evaporation.
2. The permittee shall repair any leak from the vapor collection system or vapor control system within 15 days of detection, where the system is employed to meet the requirements of paragraph (Q)(1) of OAC rule 3745-21-09 and when such leak is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10.
3. The pilot flame in the flare's pilot light burner shall be maintained at all times during the loading of gasoline.

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

1. The permittee shall continue to follow the preventive maintenance program (PMP) for the John Zink enclosed ground flare which has been approved by the Ohio EPA. The PMP shall include an annual inspection of the flare by a qualified individual. The resultant report shall be maintained on site and shall be made available during subsequent inspections by the Ohio EPA.
2. The permittee shall collect and record the following information each day:
  - a. The permittee shall maintain the data required by the "Daily Log", on a daily basis (i.e., Monday through Friday while the operation is manned). The "Daily Log" shall contain information to assess the proper operation of the VOC control device. Any subsequent changes to this "Daily Log" shall be mutually agreeable to the permittee and the Ohio EPA.
  - b. The results of the daily pilot inspections and descriptions of any failures of the flame detection system. If a failure is detected, record the period of time when gasoline was loaded, until the system is repaired.

The permittee shall maintain a log or record of operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.
3. 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 installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals. Each business day, the operator shall verify that the pilot flame and flame sensor are working during loading operations.
4. The permittee shall maintain monthly records of the following information for this emissions unit:
  - a. the total, individual throughputs of gasoline, distillates, and additive, in gallons;
  - b. the cumulative, individual throughputs of gasoline, distillates, and additive, in gallons, for each calendar month during the first 12 months of operation following the issuance of this permit;
  - c. beginning after the first 12 months of operation following the issuance of this permit, the rolling, 12-month summations of the total, individual throughputs of gasoline, distillates, and additive, in gallons; and
  - d. the rolling, 12-month summation of VOC emissions from this emissions unit, in tons.
5. The permittee shall calculate and record, on an annual basis, the following information for the facility:
  - a. the calculated emissions of VOC, each individual HAP, and combined HAPs for each month, in tons; and
  - b. the rolling, 12-month summations of the VOC emissions, each individual HAP emissions, and combined

HAPs emissions for each month, in tons.

Emissions shall be calculated using the methodology specified in sections E.6 through E.7 of the terms and conditions for emissions unit J001.

6. The permittee shall perform monthly monitoring of all potential sources of vapor leaks in the terminal's vapor collection system and vapor control system while a gasoline tank truck is being loaded. The monthly monitoring shall be conducted approximately every 30 days. The permittee shall record VOC concentration which is equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10 as vapor leaks. The permittee shall maintain records of the results of the monthly leak checks, including at a minimum, the following information:
  - a. the date of inspection;
  - b. the findings of the inspection, which shall indicate the location, nature, and severity of the leak;
  - c. the leak detection method;
  - d. the corrective action(s) taken to repair each leak and the date of final repair;
  - e. the reasons for any repair interval exceeding 15 calendar days (from the time of detection to the date of final repair) for each leak equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10; and
  - f. the inspector's name and signature.

**D. Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports that identify all periods during which the flare's pilot flame was not functioning properly. The reports shall include the date, time, and duration of each such period and an explanation of any corrective action taken to prevent similar occurrences.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month throughput limitations, and for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative throughput levels established in section A.2.f above.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month emission limitations for VOC, any individual HAP, and combined HAPs.
4. The quarterly deviation reports shall be submitted in accordance with the requirements specified in the General Terms and Conditions of this permit.
5. The permittee shall submit annual reports that identify the following:
  - a. the total actual emissions of each individual HAP from the facility;
  - b. the total actual emissions of all of the HAPs from the facility;
  - c. the total actual emissions of VOC from this emissions unit; and
  - d. the total annual throughputs of gasoline, distillates and additive.

These annual reports shall be submitted by April 15 of each year, and shall cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.
6. Any leaks in the vapor collection system or vapor control system equal to or greater than 100 percent of the lower explosive limit as propane, as determined under paragraph (K) of OAC rule 3745-21-10 of the Administrative Code, that are not repaired within 15 days after identification, shall be reported to the director (the Ohio EPA, Northeast District Office) within 30 days after the repair is completed. This report shall include the date the leak was detected and the date the leak was repaired.

**E. Testing Requirements**

1. Compliance with the emission limitations in sections A.1 and A.2 of these terms and conditions shall be determined in accordance with the following methods:
2. Emission Limitation:  
0.67 pound of VOC per 1,000 gallons (80 milligrams of VOC per liter) of gasoline loaded into the delivery vessel  
  
Applicable Compliance Method:  
Compliance with the above emission limitation shall be demonstrated through the emission tests in section E.3.
3. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months after permit issuance, and within 12 months prior to permit expiration, during the summer months when the gasoline vapor pressure is highest.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC.
  - c. The following test methods and procedures from 40 CFR Part 60 shall be employed to demonstrate compliance with the allowable VOC mass emission rate(s):  
  
Method 2A inlet vapor volume  
Method 21 potential leak sources

Method 25B inlet and outlet VOC concentration  
Subpart XX [60.503(b), (c), (e) and (f)] test methods and procedures

The test procedures specified in OAC rule 3745-21-10(E) and (K) shall also be followed.

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Northeast District Office.

4. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northeast 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(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA, Northeast District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Northeast 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 emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, Northeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA, Northeast District Office.

5. Emission Limitation:  
VOC emissions from distillates loading (diesel fuels, fuel oil no. 2, kerosene, and ethanol) shall not exceed 0.016 lb/1000 gallons of distillates loaded into the delivery vessel

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the annual distillate throughput from section C.4 above by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 5.2-5 (1/95).

6. Emission Limitations:  
The total annual VOC emissions from this emissions unit shall not exceed 75.94 TPY, as a rolling, 12-month summation of the VOC emissions, including 74.5 TPY from gasoline loading (including additives) and 1.44 TPY from distillates loading.

Applicable Compliance Method:

Compliance shall be determined based upon a summation of the following:

a. for emissions from the control device, sum the monthly gasoline throughputs for the 12-month period and multiply this sum by the results of the most recent emissions test for the control device (in lbs/1000 gallons gasoline loaded) and divide by 2,000 lbs/ton;

b. for fugitive VOC emissions from gasoline truck loading, sum the monthly gasoline throughputs for the 12-month period and divide this sum by 2,000 lbs/ton and multiply by a vapor-tightness loss rate of 0.075 lb/1000 gal (9 mg/L) from the trucks. The 0.075 lb/1000 gal 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);

c. for fugitive VOC emissions from distillate truck loading, sum the monthly distillate throughputs for the 12-month period and divide this sum by 2,000 lbs/ton and multiply by an emission factor of 0.016 lb/1000 gal. The emission factor is taken from AP-42 "Compilation of Air Pollutant Emission Factors", Table 5.2-5 (1/95); and

d. VOC fugitive emissions (e.g., valves, fittings, and pumps) from the loading rack shall be determined using the emission factors from Table 2-3 in EPA-453/R-95-017, "Protocol for Equipment Leak Emission Estimates".

7. Emission Limitations:  
The emissions of HAPs from this facility shall not exceed 9.9 TPY for any individual HAP, as a rolling, 12-month summation of the HAP emissions, and 24.9 TPY for any combination of HAPs, as a rolling, 12-month summation of the HAP emissions.

Applicable Compliance Method:

Compliance with these emission limitations shall be determined as follows:

a. for individual and combined HAP emissions from the control device, multiply the VOC emissions from section E.6.a above by the following HAP emission factors:

i. benzene - 0.0102 pound of benzene emissions per pound of VOC emissions;

ii. cumene - 0.0001 pound of cumene emissions per pound of VOC emissions;

iii. toluene - 0.0166 pound of toluene emissions per pound of VOC emissions;

iv. xylene - 0.0058 pound of xylene emissions per pound of VOC emissions;

v. ethyl benzene - 0.001 pound of ethyl benzene emissions per pound of VOC emissions;

vi. n-hexane - 0.0168 pound of n-hexane emissions per pound of VOC emissions; and

vii. isooctane - 0.0052 pound of isooctane emissions per pound of VOC 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 equations found in AP-42, 5th edition, Section 7.1.4, Hazardous Air Pollutant (HAP) Speciation Methodology.

b. for individual and combined HAP emissions from gasoline loading, multiply the VOC emissions from section E.6.b above by the HAP emission factors specified in section E.7.a above;

c. for individual and combined HAP emissions from gasoline storage tanks, multiply the VOC emissions (in tons/yr) from all gasoline storage tanks at the facility, as determined using U.S. EPA's "TANKS" program, version 4.0 or the most current, by the HAP emission factors specified in section E.7.a above;

d. for individual and combined HAP emissions from equipment leaks (i.e., fugitive emissions from valves, flanges, open ended lines, pumps, etc.), multiply the VOC emissions (in tons/yr) from equipment leaks at the facility, as determined in section E.6.d above, by the HAP emission factors specified in section E.7.a above; and

e. for individual HAP emissions, sum the values from E.7.a through E.7.d above for each individual HAP. For combined HAP emissions, sum the individual HAP emissions.

8. Should more accurate emission factors be developed during the current permit cycle, the permittee shall use them, provided the new emission factors are mutually agreeable to the Ohio EPA and the permittee.

**F. Miscellaneous Requirements**

1. The following special terms and conditions of this PTO are federally enforceable requirements: A - F.

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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>
above ground internal floating roof storage tank	OAC rule 3745-21-09(L)	See sections A.2.a through A.2.c.
	OAC rule 3745-35-07(B)(2)	Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than the following, as a rolling, 12-month summation:  99.9 tons of volatile organic compounds (VOC); 24.9 tons of combined hazardous air pollutants (HAPs); and 9.9 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 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 it 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.

2. The permittee shall maintain monthly records of the following information for this emissions unit:

- a. the identification of each material stored; and
  - b. the total throughput of each material stored, in gallons per month.
3. The permittee shall calculate and record, on an annual basis, the following information for the facility:
- a. the calculated emissions of VOC, each individual HAP, and combined HAPs for each month, in tons; and
  - b. the rolling, 12-month summations of the VOC emissions, each individual HAP emissions, and combined HAPs emissions for each month, in tons.

Emissions shall be calculated using the methodology specified in sections E.6 through E.7 of the terms and conditions for emissions unit J001.

**D. Reporting Requirements**

1. The permittee shall submit annual reports which identify the total actual emissions of each individual HAP, combined HAPs, and VOC from the facility. These annual reports shall be submitted by April 15 of each year, and shall cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

**E. Testing Requirements**

1. Compliance with the emission limitation in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
2. Emission Limitation:  
Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than 99.9 tons of VOC as a rolling, 12-month summation.
- Applicable Compliance Method:  
Compliance shall be determined based upon a summation of the following:
- a. VOC emissions from the storage tanks shall be determined from the record keeping in section C.2 above and using U.S. EPA's "TANKS" program, version 4.0 or the most current version;
  - b. VOC emissions from permit to install exempt and "de minimis" emissions units shall be determined using approved methods (i.e., for boilers use AP-42, "Compilation of Air Pollutant Emission Factors", Chapter 1, the most recent version); and
  - c. VOC emissions from the loading rack shall be determined using the calculation methodologies in section E.6 of the terms and conditions of emissions unit J001.
3. Emission Limitations:  
Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than 24.9 tons of combined HAPs and 9.9 tons of any individual HAP, as a rolling, 12-month summation.
- Applicable Compliance Method:  
Compliance shall be based upon the record keeping from section C.3 above and the calculation methodologies in section E.7 of the terms and conditions of emissions unit J001.

**F. Miscellaneous Requirements**

1. The following special terms and conditions of this PTO are federally enforceable requirements: A - F.

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**Part II - Special Terms and Conditions**

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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>
above ground internal floating roof storage tank	OAC rule 3745-21-09(L)  OAC rule 3745-35-07(B)(2)	See sections A.2.a through A.2.c.  Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than the following, as a rolling, 12-month summation:  99.9 tons of volatile organic compounds (VOC); 24.9 tons of combined hazardous air pollutants (HAPs); and 9.9 tons of any individual HAP.
<b>2. Additional Terms and Conditions</b>		
(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 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 it 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>B. Operational Restrictions</b>		
1. None		
<b>C. Monitoring and/or Record Keeping Requirements</b>		
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. 2. The permittee shall maintain monthly records of the following information for this emissions unit: a. the identification of each material stored; and b. the total throughput of each material stored, in gallons per month. 3. The permittee shall calculate and record, on an annual basis, the following information for the facility: a. the calculated emissions of VOC, each individual HAP, and combined HAPs for each month, in tons; and b. the rolling, 12-month summations of the VOC emissions, each individual HAP emissions, and combined HAPs emissions for each month, in tons. Emissions shall be calculated using the methodology specified in sections E.6 through E.7 of the terms and conditions for emissions unit J001.		
<b>D. Reporting Requirements</b>		
1. The permittee shall submit annual reports which identify the total actual emissions of each individual HAP, combined HAPs, and VOC from the facility. These annual reports shall be submitted by April 15 of each year, and shall cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.		
<b>E. Testing Requirements</b>		
1. Compliance with the emission limitation in section A.I of these terms and conditions shall be determined in accordance with the following methods: 2. Emission Limitation: Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than 99.9 tons of VOC as a rolling, 12-month summation.  Applicable Compliance Method: Compliance shall be determined based upon a summation of the following: a. VOC emissions from the storage tanks shall be determined from the record keeping in section C.2 above and using U.S. EPA's "TANKS" program, version 4.0 or the most current version; b. VOC emissions from permit to install exempt and "de minimis" emissions units shall be determined using approved methods (i.e., for boilers use AP-42, "Compilation of Air Pollutant Emission Factors", Chapter 1, the most recent version); and c. VOC emissions from the loading rack shall be determined using the calculation methodologies in section E.6 of the terms and conditions of emissions unit J001. 3. Emission Limitations: Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than 24.9 tons of combined HAPs and 9.9 tons of any individual HAP, as a rolling, 12-month summation.  Applicable Compliance Method: Compliance shall be based upon the record keeping from section C.3 above and the calculation methodologies in section E.7 of the terms and conditions of emissions unit J001.		
<b>F. Miscellaneous Requirements</b>		

1. The following special terms and conditions of this PTO are federally enforceable requirements: A - F.

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Facility ID: 0250000432 Emissions Unit ID: T003 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
above ground internal floating roof storage tank	OAC rule 3745-21-09(L)	See sections A.2.a through A.2.c.
	OAC rule 3745-35-07(B)(2)	Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than the following, as a rolling, 12-month summation:  99.9 tons of volatile organic compounds (VOC); 24.9 tons of combined hazardous air pollutants (HAPs); and 9.9 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 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 it 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.
2. The permittee shall maintain monthly records of the following information for this emissions unit:
  - a. the identification of each material stored; and
  - b. the total throughput of each material stored, in gallons per month.
3. The permittee shall calculate and record, on an annual basis, the following information for the facility:
  - a. the calculated emissions of VOC, each individual HAP, and combined HAPs for each month, in tons; and
  - b. the rolling, 12-month summations of the VOC emissions, each individual HAP emissions, and combined HAPs emissions for each month, in tons.

Emissions shall be calculated using the methodology specified in sections E.6 through E.7 of the terms and conditions for emissions unit J001.

**D. Reporting Requirements**

1. The permittee shall submit annual reports which identify the total actual emissions of each individual HAP, combined HAPs, and VOC from the facility. These annual reports shall be submitted by April 15 of each year,

and shall cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

**E. Testing Requirements**

1. Compliance with the emission limitation in section A.I of these terms and conditions shall be determined in accordance with the following methods:
2. Emission Limitation:  
 Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than 99.9 tons of VOC as a rolling, 12-month summation.  
  
 Applicable Compliance Method:  
 Compliance shall be determined based upon a summation of the following:
  - a. VOC emissions from the storage tanks shall be determined from the record keeping in section C.2 above and using U.S. EPA's "TANKS" program, version 4.0 or the most current version;
  - b. VOC emissions from permit to install exempt and "de minimis" emissions units shall be determined using approved methods (i.e., for boilers use AP-42, "Compilation of Air Pollutant Emission Factors", Chapter 1, the most recent version); and
  - c. VOC emissions from the loading rack shall be determined using the calculation methodologies in section E.6 of the terms and conditions of emissions unit J001.
3. Emission Limitations:  
 Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than 24.9 tons of combined HAPs and 9.9 tons of any individual HAP, as a rolling, 12-month summation.  
  
 Applicable Compliance Method:  
 Compliance shall be based upon the record keeping from section C.3 above and the calculation methodologies in section E.7 of the terms and conditions of emissions unit J001.

**F. Miscellaneous Requirements**

1. The following special terms and conditions of this PTO are federally enforceable requirements: A - F.

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Facility ID: 0250000432 Emissions Unit ID: T004 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
above ground internal floating roof storage tank	OAC rule 3745-21-09(L)	See sections A.2.a through A.2.c.
	OAC rule 3745-35-07(B)(2)	Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than the following, as a rolling, 12-month summation:  99.9 tons of volatile organic compounds (VOC); 24.9 tons of combined hazardous air pollutants (HAPs); and 9.9 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 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 it 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.
2. The permittee shall maintain monthly records of the following information for this emissions unit:
  - a. the identification of each material stored; and
  - b. the total throughput of each material stored, in gallons per month.
3. The permittee shall calculate and record, on an annual basis, the following information for the facility:
  - a. the calculated emissions of VOC, each individual HAP, and combined HAPs for each month, in tons; and
  - b. the rolling, 12-month summations of the VOC emissions, each individual HAP emissions, and combined HAPs emissions for each month, in tons.

Emissions shall be calculated using the methodology specified in sections E.6 through E.7 of the terms and conditions for emissions unit J001.

**D. Reporting Requirements**

1. The permittee shall submit annual reports which identify the total actual emissions of each individual HAP, combined HAPs, and VOC from the facility. These annual reports shall be submitted by April 15 of each year, and shall cover the previous calendar year. This reporting requirement may be satisfied by including and identifying the specific emission data for this emissions unit in the annual Fee Emission Report.

**E. Testing Requirements**

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

Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than 99.9 tons of VOC as a rolling, 12-month summation.

Applicable Compliance Method:  
Compliance shall be determined based upon a summation of the following:

  - a. VOC emissions from the storage tanks shall be determined from the record keeping in section C.2 above and using U.S. EPA's "TANKS" program, version 4.0 or the most current version;
  - b. VOC emissions from permit to install exempt and "de minimis" emissions units shall be determined using approved methods (i.e., for boilers use AP-42, "Compilation of Air Pollutant Emission Factors", Chapter 1, the most recent version); and
  - c. VOC emissions from the loading rack shall be determined using the calculation methodologies in section E.6 of the terms and conditions of emissions unit J001.
3. Emission Limitations:
 

Combined annual emissions from all facility emissions units including permit to install exempt and "de minimis" emissions units shall be less than 24.9 tons of combined HAPs and 9.9 tons of any individual HAP, as a rolling, 12-month summation.

Applicable Compliance Method:  
Compliance shall be based upon the record keeping from section C.3 above and the calculation methodologies in section E.7 of the terms and conditions of emissions unit J001.

**F. Miscellaneous Requirements**

1. The following special terms and conditions of this PTO are federally enforceable requirements: A - F.

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

Facility ID: 0250000432 Emissions Unit ID: T006 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the

exception of those listed below which are enforceable under state law only.

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**2. Additional Terms and Conditions**

- (a) None

**B. Operational Restrictions**

- 1. None

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

- 1. None

**D. Reporting Requirements**

- 1. None

**E. Testing Requirements**

- 1. None

**F. Miscellaneous Requirements**

- 1. None