

Facility ID: 0448020033 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.

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

Facility ID: 0448020033 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>
gasoline loading rack	OAC 3745-21-09(Q)	0.292 pound VOC per thousand gallons of gasoline loaded. 0.020 pound VOC per thousand gallons of distillate loaded. 36.04 tons VOC/year.

2. Additional Terms and Conditions

- (a) The potential emissions [as defined by OAC 3745-77-01(BB)] of hazardous air pollutants (HAPs) from all emission units at this facility, as identified in Section 112(b) of Title III of the Clean Air Act, shall not exceed 10 TPY for any single HAP and 25 TPY for any combination of HAPs.
- (b) Permittee may utilize an alternate vapor control device on a temporary basis to control emissions from the gasoline loading rack. Use of such a device may include, but not be limited to, service during extended periods of downtime due to malfunction or maintenance on the permanent unit. The above emission limitations apply to operation of any vapor control units.

B. Operational Restrictions

1. The annual throughputs of gasoline and distillates shall not exceed 240,000,000 gallons and 100,000,000 gallons, respectively. In order to ensure federal enforceability during the first twelve calendar months of operation after the issuance of this permit to operate (PTO), this emission unit shall not exceed the following product throughput limitations:

Maximum Allowable Cumulative Throughput For:

Month(s)	Gasoline (gallons)	Distillates (gallons)
1	20,000,000	8,333,333
1-2	40,000,000	16,666,667
1-3	60,000,000	25,000,000
1-4	80,000,000	33,333,333
1-5	100,000,000	41,666,666
1-6	120,000,000	50,000,000
1-7	140,000,000	58,333,333
1-8	160,000,000	66,666,667
1-9	180,000,000	75,000,000
1-10	200,000,000	83,333,333
1-11	220,000,000	91,666,667
1-12	240,000,000	100,000,000

After the first 12 calendar months of operation, compliance with the annual limitations shall be based upon a rolling 12-month summation.

2. The pilot flame in the flare's pilot light burner shall be maintained at all times during the loading of gasoline.
3. The vapor control system 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). Transfer of gasoline or distillate into gasoline tank trucks without vapor controls is prohibited. Approval to load without vapor controls during malfunction or scheduled maintenance of the vapor control system will require prior approval of the Toledo Division of Environmental Services in accordance with OAC 3745-15-06, Malfunction of equipment; scheduled

maintenance; reporting.

4. This emission unit shall be operated as follows:

- a. All vapors collected by the vapor collection system shall be vented to the vapor control system.
- b. Any liquid gasoline returned to a stationary storage tank from the vapor control system shall be free of entrained air to the extent possible with good engineering design.
- c. 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 disconnected.
- d. All gasoline loading lines and vapor lines shall be equipped with fittings which are vapor tight.
- e. The permittee shall prohibit gasoline to be spilled, discharged in sewers, stored in open containers or handled in any other manner that would result in evaporation.
- f. The permittee shall repair within fifteen days any leak from the vapor collection system and vapor control system when such leak is equal to or greater than one hundred percent of the lower explosive limit as propane, as determined under paragraph (K) of rule 3745-21-10 of the Administrative Code.

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

1. The permittee shall maintain monthly records indicating the total throughput of gasoline and distillates. This recordkeeping shall begin upon the issuance of this PTO. After the first 12 calendar months of operation following the issuance of this PTO, the permittee shall also record the rolling 12-month throughputs for gasoline and distillates.
2. The permittee shall properly install, operate, and maintain a device to continuously monitor the 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.

The permittee shall record the following information each day:

- a. descriptions of any failures of the flame detection system and the results of the daily pilot inspections; and
- b. the operating times for the flare, monitoring equipment, and the associated emissions unit.

D. **Reporting Requirements**

1. The permittee shall submit semiannual reports indicating any exceedance of the monthly cumulative throughput limits or the rolling 12-month throughput limits, along with the cause of each exceedance and an explanation of any corrective action taken to prevent similar exceedances. These semiannual reports shall be submitted by February 15 and August 15 of each year and shall address the data obtained during the previous six calendar months (July through December, and January through June, respectively).
2. The permittee shall submit an annual report of the total throughputs for gasoline and distillates during the calendar year, and the estimated total VOC and individual and combined HAP emissions from each. The report shall also include the estimated individual and combined HAP emissions from all other emission units at the facility. This annual report shall be submitted by April 15.
3. The permittee shall submit semiannual deviation (excursion) reports that identify all periods during which the 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. These semiannual reports shall be submitted by February 15 and August 15 of each year and shall address the data obtained during the previous six calendar months (July through December, and January through June, respectively).

E. **Testing Requirements**

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

Emission Limitation: 0.292 pound VOC per thousand gallons of gasoline loaded.
Applicable Compliance Method: OAC rule 3745-21-10(E)

Emission Limitation: 0.020 pound VOC per thousand gallons of distillate loaded.
Applicable Compliance Method: Use an emission factor from AP-42 of 0.016 pound of VOC emissions per thousand gallons of kerosene and an emission factor of 0.014 pound of VOC emissions per thousand gallons of distillate.

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

Emission Limitation: 36.04 tons VOC/year.
Applicable Compliance Method: Sum the following products and divide by 2000:
- the product of the VOC emission factor from the latest stack test times the gallons of gasoline loaded during the year;
- the product of the emission factor of 0.016 pound of VOC emissions per thousand gallons of kerosene times the gallons of kerosene loaded during the year; and
- the product of the emission factor of 0.014 pound of VOC emissions per thousand gallons of distillate times the gallons of distillate loaded during the year.

Emission Limitation: 10 TPY for any single HAP and 25 TPY for any combination of HAPs
Applicable Compliance Method: For each individual HAP multiply the following emission factors from the Gasoline Distribution Industry (Stage I) - Background Information for Proposed Standards Draft Report by the actual annual VOC emission rate for the year (in TPY) for all emission units at the facility:

- hexane - 0.016 pound of hexane emissions per pound of VOC;
- benzene - 0.009 pound of benzene emissions per pound of VOC;
- toluene - 0.013 pound of toluene emissions per pound of VOC;
- 2, 2, 4 trimethylpentane - 0.008 pound of 2, 2, 4 trimethylpentane emissions per pound of VOC;
- xylenes - 0.005 pound of xylene emissions per pound of VOC; and
- ethylbenzene - 0.001 pound of ethylbenzene emissions per pound of VOC.

For the combination of HAPs, sum the calculated annual emission rates for the individual HAPs.

F. **Miscellaneous Requirements**

1. The special terms and conditions of this PTO are federally enforceable requirements.