

2 of 11 Pages

Facility Name: **Queen City Terminals Inc**

Application Number: **14-4634**

Date: **October 21, 1998**

### **GENERAL PERMIT CONDITIONS**

#### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

#### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

#### **CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations.

3 of 11 Pages

Facility Name: **Queen City Terminals Inc**

Application Number: **14-4634**

Date: **October 21, 1998**

Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

#### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

#### **PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

#### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

4 of 11 Pages

Facility Name: **Queen City Terminals Inc**

Application Number: **14-4634**

Date: **October 21, 1998**

**BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

**SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

Facility Name: **Queen City Terminals Inc**Application Number: **14-4634**Date: **October 21, 1998**AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Queen City Terminals Inc** located in **Hamilton** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio EPA Source Number	Source Identification Description	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
T021 (mod)	120,000- gallon internal floating roof storage tank - no. 16	Internal floating roof, submerged fill, vapor pressure limit, emissions limit, and use of a closed loop vapor balance system	40 CFR 60 Subpart Kb  3745-31-05  3745-21-07 (D)  3745-15-07	See General Terms  6.9 TPY OC  Exempt  See General Terms

## SUMMARY

## TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Organic Compound	6.9

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

6 of 11 Pages

Facility Name: **Queen City Terminals Inc**

Application Number: **14-4634**

Date: **October 21, 1998**

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
T021	120,000 gallon internal floating roof tank	Kb

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
P.O. Box 163669  
Columbus, OH 43216-3669

and **Hamilton County Dept. of Env. Services**  
**1632 Central Parkway**  
**Cincinnati, OH 45210**

#### REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Hamilton County Dept. of Env. Services, 1632 Central Parkway, Cincinnati, OH 45210.**

#### WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

7 of 11 Pages

Facility Name: **Queen City Terminals Inc**

Application Number: **14-4634**

Date: **October 21, 1998**

**MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

**MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Hamilton County Dept. of Env. Services, 1632 Central Parkway, Cincinnati, OH 45210.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

**AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

**NEW SOURCE PERFORMANCE STANDARD SUBPART Kb**

The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

In accordance with 40 CFR 60.116b(a) and (b), the owner and operator of the following storage vessel(s) shall keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of each storage vessel for the life of each source.

<u>Source Number(s)</u>	<u>Tank Size</u>
T021	120,000 gallons

In addition,

Facility Name: **Queen City Terminals Inc**

Application Number: **14-4634**

Date: **October 21, 1998**

- A. In accordance with 40 CFR 60.116b(a) and (c), the owner and operator of the, following storage vessel(s) shall maintain a record of the volatile organic liquid (VOL) stored, the period of storage, and the maximum true vapor pressure of that VOL during the respective storage period. Records shall be retained for a minimum of two years.

<u>Source Number(s)</u>	<u>Tank Size</u>
T021	120,000 gallons

- B. In accordance with 40 CFR 60.116b(a) and (d), the owner and operator of the following storage vessel(s) shall notify the local field office within 30 days when the maximum true vapor pressure of the liquid exceeds the respective maximum true vapor pressure values for each volume range. Records shall be retained for a minimum of two years.

<u>Source Number(s)</u>	<u>Tank Size</u>
T021	120,000 gallons

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

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

1. The maximum true vapor pressure of volatile organic liquids stored in emissions unit T021 shall not exceed 0.754 psia at 70 degrees F.
2. The organic compound emissions from emissions unit T021 shall not exceed 6.9 tons per year.

**B. Operational Restrictions**

1. The permittee shall operate and maintain equipment for submerged filling of emissions unit T021.
2. Emissions unit T021 shall be equipped with an internal floating roof with a liquid-mounted primary seal or a mechanical shoe primary seal. It shall have either flexible fabric sleeve seals on pipe columns or gasketed sliding covers on built up or pipe columns, slit fabric membranes on sample wells, and gasketed covers on roof fittings.

3. Prior to a change in the material stored (inorganic or organic) in emissions unit T021, the permittee shall provide written notification to Hamilton County Department of Environmental Services. The permittee shall not store any material until they have been notified that compliance has been demonstrated or whether a Permit to Install is required.
4. Vapor Balance Requirements
  - a. For any transfer of methyl methacrylate from the stationary storage tank to a delivery vessel, the vapors displaced from delivery vessel shall be processed by a vapor balance system which is equipped with a vapor tight vapor line from the delivery vessel to the stationary storage tank being unloaded and a means to ensure that the vapor line is connected before methyl methacrylate can be transferred and which is designed and operated to route at least 90 percent by weight of the VOC in the displaced vapors to the stationary storage tank.
  - b. The vapor balance system shall be kept in good working order and shall be used at all times during the transfer of methyl methacrylate.
  - c. The delivery vessel hatches shall be closed at all times during the loading and unloading of the delivery vessel.
  - d. There shall be no leaks in the delivery vessel pressure/vacuum relief valves and hatch covers.
  - e. There shall be no leaks in the vapor and liquid lines during the transfer of methyl methacrylate.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee of this storage vessel shall maintain records of each material stored in emissions unit T021, the period of storage, the throughput of each material stored, and the maximum true vapor pressure (in pounds per square inch absolute), as stored, of each liquid.
2. Each record of any monitoring data, testing data and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not limited to, all calibration and

maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit. Such records may be maintained in computerized form.

**D. Reporting Requirements**

1. The permittee shall submit annual reports to the Department of Environmental Services which summarize the information in C.1. for each material stored in this emissions unit. The reports shall be submitted by February 15 of each year and shall cover the previous calendar year.
2. The permittee shall notify the Hamilton County Dept. of Env. Services within 30 days when the maximum true vapor pressure of the stored liquid exceeds 0.754 psia.
3. Queen City Terminals, Inc. shall notify the Hamilton County Dept. of Env. Services in writing at least 30 days before the filling or refilling of this storage tank to afford the opportunity to have an observer present.
4. The permittee shall submit required reports in the following manner:
  - a. reports of any required monitoring and/or recordkeeping information shall be submitted to the Hamilton County Dept. of Env. Services; and,
  - b. except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Hamilton County Dept. of Env. Services.

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 30, April 30, July 30, and October 30 of each year and shall cover the previous calendar quarters. (These

11 of 11 Pages

Facility Name: **Queen City Terminals Inc**

Application Number: **14-4634**

Date: **October 21, 1998**

quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06).

**E. Testing Requirements**

1. The permittee shall determine the maximum true vapor pressure according to methods outlined in 40 CFR Part 60, paragraph 60.116 b(e).
2. Compliance with emissions limitations shall be determined in accordance with the methods and formulas outlined in AP-42, Storage of Organic Liquids.

**F. Miscellaneous**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 14-2324 issued on 6/7/91: A - E.