

Facility ID: 0637000043 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: 0637000043 Emissions Unit ID: B003 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>
Triethylene Glycol Dehydrator with Flare and Reboiler	OAC rule 3745-31-05(A)(3) PTI# 06-5478	Emissions of Nitrogen Oxides shall not exceed 0.26 lb/hr or 1.2 TPY.  Emissions of Carbon Monoxide shall not exceed 0.5 lb/hr or 2.2 TPY.  Emissions of Volatile Organic Compounds shall not exceed 0.51 lb/hr or 2.24 TPY.
	OAC rule 3745-17-07(A) OAC rule 3745-17-10(B)	20% opacity as a six-minute average. 0.020 pound/MMBtu and 0.16 TPY of TSP.

2. **Additional Terms and Conditions**
  - (a) None

**B. Operational Restrictions**

1. The permittee shall burn only natural gas in this emissions unit.

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

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in the emissions unit.
2. The flare shall be equipped with a thermocouple (Flame Presence Sensor) to continuously monitor the flare's pilot flame and assure proper flare operation.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in the emissions unit.
2. The permittee shall submit semi-annually, deviation (excursion) reports that identify all time periods during which the pilot flame was absent when the flare is in operation. The report shall include the date, time and duration of each such period.

**E. Testing Requirements**

1. Emission Limitation:  
0.020 pound/MMBtu of TSP for B003

Applicable Compliance Method:

Compliance with the allowable mass emission rate for TSP shall be determined by multiplying an emission factor of 4.5 of TSP per million cubic feet of natural gas burned. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2 (7/98). If required, the permittee shall demonstrate compliance with the emission limitation in accordance with test Method 5 specified in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standard of Performance for New Stationary Sources").

## Emission Limitation:

0.26 pound/hour of NOx for B003

## Applicable Compliance Method:

Compliance with the allowable mass emission rate for NOx shall be determined by multiplying an emission factor of 100 lbs of NOx/mm cu.ft of natural gas burned. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-3. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with test method 7 or 7E specified in "Appendix on Test Method" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

## Emission Limitation:

0.51 pound/hour of VOC for B003

## Applicable Compliance Method

Compliance with the allowable mass emission rate for VOC's shall be determined by multiplying an emission factor of 8.0 lb of VOC's/mm cu.ft of natural gas burned. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-3. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with test method 18 or 25 specified in "Appendix on Test Method" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

## Emission Limitation:

0.5 pound/hour of CO for B003

## Applicable Compliance Method:

Compliance with the allowable mass emission rate for CO shall be determined by multiplying an emission factor of 21.0 lbs of CO/mm cu.ft of natural gas burned. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with test method 10 specified in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

## Emission Limitation:

20% opacity as a six-minute average

## Applicable Compliance Method:

Compliance with the visible emission limit shall be determined through visual emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

**F. Miscellaneous Requirements**

1. None