

Facility ID: 1677100025 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: 1677100025 Emissions Unit ID: P001 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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Carbon monoxide production plant - gas reforming process controlled with an electric arc flare		
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### 2. Additional Terms and Conditions

- (a) None

### B. Operational Restrictions

1. The arcing of the flare's electric arc ignition system shall pulse continually. Alternatively, in the event of maintenance activities or inspection of the electric ignition system, the flare may be lit and fed with combustible gas so as to have a continuous flame while the electric arc system is repaired, maintained, or inspected.

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

1. The permittee shall monitor the flare to ensure that it is operated and maintained in conformance with its design and the requirements contained in this permit.
2. The permittee shall record all periods of time during which the electric arc system or flare was inoperable.
3. The permittee shall on a daily basis challenge the flare system with combustible gas (ie. natural gas, hydrogen, and/or carbon monoxide) to verify that the electric arc ignition system is operating correctly and the flare has been lit. Verification shall be done by visual means and the results shall be recorded.

### D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which the flare system was not challenged with a combustible gas; and
  - b. all periods of time during which the flare's electric arc ignition system was not functioning properly or the flare was not maintained as required in term and condition B.1. The reports shall include the date, time, and duration of each such period.
2. The quarterly deviation reports shall be submitted as specified in Part 1 - General Terms and Conditions of this permit.
3. The permittee shall submit annual reports that specify the carbon monoxide (CO) emissions, in tons, for the entire facility. The reports shall include detailed emission calculations and shall include, but not be limited to, emissions from the reformer exhaust, CO2 stripper vent, flare, deaerator vent, and fugitive emissions. These reports shall be submitted by February 28 of each year and shall cover the previous calendar year.

### E. Testing Requirements

1. None

### F. Miscellaneous Requirements

1. None