

Facility ID: 1431393170 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: 1431393170 Emissions Unit ID: P001 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

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>
P001 - Oil/Water Separator Process	OAC rule 3745-31-05(A)(3) (14-04213)	Process emissions: Organic Compound (OC) emissions shall not exceed 4.0 pounds per day and 0.73 TPY. Natural gas combustion emissions: Particulate Emissions (PE) and emissions of particulate matter 10 microns and less in diameter shall not exceed 0.0076 lb/mmBtu and 0.18 TPY. Sulfur Dioxide (SO2) emissions shall not exceed 0.07 pound per day and 0.01 TPY. Nitrogen Oxide (NOx) emissions shall not exceed 12.6 pounds per day and 2.28 TPY. Carbon Monoxide (CO) emissions shall not exceed 10.6 pounds per day and 1.91 TPY. Organic Compound (OC) emissions shall not exceed 1.4 pounds per day and 0.25 TPY.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-21-08(B). Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.
	OAC rule 3745-17-10(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-18-06(A)	Exempt.
	OAC rule 3745-21-08(B)	See term and condition A.2.c.

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the throughput limitation, visible emission limitation, mass emission limitations and the use of natural gas. The daily emission limitations outlined for the combustion unit are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records are required to demonstrate compliance with these limitations. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology (BAT) requirements established in PTI No. 14-04213. The design of the emissions unit and the technology associated with the current operating practices satisfy the BAT requirements.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. On June 24, 2003, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

B. Operational Restrictions

1. This emissions unit shall utilize only natural gas as fuel.
2. The maximum daily production rate of oil/wastewater for this emissions unit shall not exceed 20,000 gallons per day.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the type and total amount of fuel burned in this emissions unit.
2. The permittee shall maintain daily records of the amount of oil/wastewater throughput, in gallons for this emissions unit.

D. Reporting Requirements

1. The permittee shall notify the Hamilton County Department of Environmental Services of any day in which any fuel other than natural gas is combusted in this emissions unit. The permittee shall submit reports which identify the exceedances, as well as corrective actions that were taken to achieve compliance. This report shall be submitted within 30 days after the exceedance.
2. The permittee shall notify the Hamilton County Department of Environmental Services of any day in which the throughput limitation of 20,000 gallons of oil/wastewater per day is exceeded for this emissions unit. The permittee shall submit reports which identify the exceedances, as well as corrective actions that were taken to achieve compliance. This report shall be submitted within 30 days after the exceedance occurs.

E. Testing Requirements

1. Emission Limitation:
Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), Appendix A, U.S. EPA Reference Method 9.

2. Compliance with the operational restriction specified in section B.1 shall be demonstrated by the record keeping requirements specified in section C.1 and the reporting requirement in section D.1.
3. Compliance with the operational restriction specified in section B.2 shall be demonstrated by the record keeping requirements specified in section C.2 and the reporting requirement in section D.2.
4. Compliance with the combustion-related mass emission limitations specified in this permit shall be determined in accordance with the following methods:

Emission Limitations:

Particulate Emissions (PE) and emissions of particulate matter 10 microns and less in diameter shall not exceed 0.0076 lb/mmBtu and 0.18 TPY.

Applicable Compliance Method:

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (0.0052 mm cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 7.6 lbs total PE/mm cu. ft, and then dividing by the maximum hourly heat input of the emissions unit (5.2 mmBtu/hr).

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/mmBtu limitation specified in section A.1.

Emission Limitations:

Sulfur Dioxide (SO₂) emissions shall not exceed 0.07 pound per day and 0.01 TPY.

Applicable Compliance Method:

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (0.0052 mm cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.6 lbs SO₂/mm cu. ft, and then multiplying by 24 hours/day.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/day limitations specified in section A.1.

Emission Limitations:

Nitrogen Oxide (NO_x) emissions shall not exceed 12.6 pounds per day and 2.28 TPY.

Applicable Compliance Method:

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (0.0052 mm cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 100 lbs NO_x/MM cu. ft, and then multiplying by 24 hours/day. This calculates to 12.48 lbs of NO_x per day which is less than the PTI allowable emission rate of 12.6 pounds per day.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/day limitations specified in section A.1.

Emission Limitations:

Carbon Monoxide (CO) emissions shall not exceed 10.6 pounds per day and 1.91 TPY.

Applicable Compliance Method:

For the use of natural gas compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (0.0052 mm cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 84 lbs CO/mm cu. ft, and then multiplying by 24 hours/day.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/day limitations specified in section A.1.

Emission Limitations:

Organic Compound (OC) emissions shall not exceed 1.4 pounds perday and 0.25 TPY.

Applicable Compliance Method:

For the use of natural gas, compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (0.0052 mm cu. ft/hr) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 11 lbs VOC/mm cu. ft, and then multiplying by 24 hours/day.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/day limitations specified in section A.1.

5. Compliance with the non-combustion-related mass emission limitations specified in this permit shall be determined in accordance with the following methods:

Emission Limitations:

Organic Compound (OC) emissions shall not exceed 4.0 pounds per day and 0.73 TPY.

Applicable Compliance Method:

Compliance may be determined by using the AP-42, Table 5.1-2 for Petroleum Refining, January 1995 emissions factor of 0.2 lb of OC/1000 gallons times the maximum daily throughput of 20,000 gallons per day.

Compliance with the annual emission limitation shall be assumed as long as compliance is maintained with the lb/day limitations specified in section A.1.

F. **Miscellaneous Requirements**

1. None