

Facility ID: 1409000684 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: 1409000684 Emissions Unit ID: B001 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>
0.18 mmBtu/hr used oil-fired boiler	OAC rule 3745-31-05 (PTI 14-2253)	0.10 lb of particulate emission (PE)/mmBtu actual heat input 0.03 TPY of PE 0.021 TPY of CO 0.07 TPY of SO2 0.24 TPY of NOx
	OAC rule 3745-17-07(A)(1)	See section A.2. below. None, exempt
	OAC rule 3745-17-10(C)(1)	None, exempt

2. Additional Terms and Conditions

- (a) All recycled, used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property Allowable Specifications

- arsenic 5 ppm, maximum
- cadmium 2 ppm, maximum
- chromium 5 ppm, maximum
- lead 25 ppm, maximum
- PCBs 50 ppm, maximum
- total halogens 1000 ppm maximum
- mercury 1 ppm, maximum
- flash point 100 degree F, minimum
- heat content 120,000 Btu/gallon, minimum
- sulfur 6000 ppm maximum

B. Operational Restrictions

1. The permittee shall operate this emissions unit for space heating only and only during the months of September through April.
2. The annual used oil usage shall not exceed 8570 gallons.
3. Used oil burned in this emissions unit shall be limited to the used oil generated by the permittee's maintenance program of its vehicles.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall analyze a representative sample of oil from the used oil storage tank in August of each year, and the sample shall be analyzed for the contaminants specified in Section A.2. above using standard methods.
2. The permittee shall maintain monthly and annual records of the total number of gallons of used oil burned in this emissions unit.
3. The permittee shall maintain monthly records of the total number of gallons of used oil burned in this emissions unit, which was not generated by the permittee's maintenance program of its vehicles.
4. The permittee shall maintain monthly records of any operation of this emissions unit during the months of May

through August and/or for purpose other than for space heating.

D. Reporting Requirements

1. The permittee shall submit an annual report that summarizes the total amount of used oil burned in this emissions unit and the total SO₂ emitted from this emissions unit. This report shall be submitted by May 31 of each calendar year and shall cover the previous 8 calendar months (September - April).
2. The permittee shall notify the Hamilton County Department of Environmental Services in writing of any monthly record showing an excursion of the months of operation limitation, space heating usage restriction, and/or the restriction on the use of used oil not generated by the permittee's vehicle maintenance program. The notification shall include a copy of such record and shall be sent to the Hamilton County Department of Environmental Services within 45 days after the exceedance occurs.
3. The permittee shall submit annual deviation (excursion) reports that identify any exceedances of any of the allowable specifications for contaminants in the used oil. In addition, a copy shall be enclosed of the analysis of the used oil burned in this emissions unit, as well as the corrective action taken to achieve compliance with limitation. This report shall be submitted by September 15 of each year.

E. Testing Requirements

1. Compliance with OAC rule 3745-17-07(A)(1) shall be determined by the method specified in OAC rule 3745-17-03 (B)(1).
2. Compliance with the usage limitation shall be determined by the record keeping performed in accordance with Section C.2.
3. Compliance with the limitations outlined in Section A.2. shall be determined by the record keeping performed in accordance with Section C.1.
4. Compliance with the annual emission limitations specified in this permit shall be determined as follows by the emission factors from AP-42, Table 1.3-1 (for # 4 fuel oil) (revised 10/86):

$$PE = 7 \text{ lbs of PE/1000 gallons of oil used} \times \text{gallons per year}/2000$$
$$SO_2 = 150 \text{ (percent sulfur in oil) lbs of SO}_2\text{/1000 gallons of oil used} \times \text{gallons per year}/2000$$
$$NO_x = 20 \text{ lbs of NO}_x\text{/1000 gallons of oil used} \times \text{gallons per year}/2000$$
$$CO = 5 \text{ lbs of CO/1000 gallons of oil used} \times \text{gallons per year}/2000$$
5. Compliance with the limitation of 0.01 lb of PE/mmBtu of actual heat input shall be determined by the following equation:

$$\text{lb of PE/mmBtu} = (7 \text{ lbs of PE/1000 gallons of oil burned} \times \text{maximum number of gallons of oil burned/hr})/\text{maximum heat input in mmBtu/hr}$$
6. Compliance with the space heating usage and months of operation restrictions in Section B.1. shall be determined by the record keeping performed in accordance with Section C.4.
7. Compliance with the requirement limiting the used oil burned to that generated within the permittee's maintenance program as outlined in Section B.3. shall be determined by the record keeping performed in accordance with Section C.3.

F. Miscellaneous Requirements

1. None