

Facility ID: 0661000037 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: 0661000037 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>
Portable 545 EKW Diesel Generator	OAC rule 3745-31-05(A)(3) (PTI # 06-06035 issued 03/08/2000)	Particulate emissions (PE) from the stack shall not exceed 0.83 lb/hr and 3.64 TPY.
		Sulfur Oxide emissions (SOx) from the stack shall not exceed 1.57 lbs/hr and 6.88 TPY.
		Carbon Monoxide emissions (CO) from the stack shall not exceed 0.48 lb/hr and 2.10 TPY.
		Nitrogen Oxide emissions (NOx) from the stack shall not exceed 13.61 lbs/hr and 59.61 TPY.
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5) (a). PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)(5)(a)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

1. The permittee shall burn only diesel fuel in this emissions unit.

C. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than diesel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

E. Testing Requirements

1. Emission limitation:
PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Compliance Method:
If required, compliance shall be determined through visible emissions 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).
2. Emission Limitation:
Particulate emissions (PE) from the stack shall not exceed 0.83 lb/hr and 3.64 TPY.

Compliance Method:

Compliance with the lbs/hr emission limitation shall be determined based upon the AP-42, Table 3.3-1 emission factor of 0.31 pounds of particulate emissions per MMBTU. and emissions data supplied by the manufacturer:
 $0.310 \text{ lb/PE/MMBTU} \times 5.48 \text{ MMBTU/hr} = 1.7 \text{ lbs/hr}$

Compliance Method:

Compliance with the TPY emission limitation shall be determined by multiplying the manufacturer's test data emission factor based on maximum operating capacity.
 $PE = (0.83 \text{ lb/hr})(8760 \text{ hr/yr})(.0005 \text{ t/lb}) = 3.64 \text{ TPY}$

3. Emission Limitation:
 Nitrogen Oxide emissions (NOx) from the stack shall not exceed 13.61 lbs/hr and 59.61 TPY.

Compliance Method:

Compliance with the NOx limit shall be determined by multiplying the manufacturer's test data emission factor based on maximum operating capacity.

$$NOx = (13.61 \text{ lbs/hr})(8760 \text{ hr/yr})(.0005 \text{ t/lb}) = 59.61 \text{ TPY}$$

4. Emission Limitation:
 Carbon Monoxide emissions (CO) from the stack shall not exceed 0.48 lb/hr and 2.10 TPY.

Compliance Method:

Compliance with the CO limit shall be determined by multiplying the manufacturer's test data emission factor based on maximum operating capacity.

$$CO = (0.48 \text{ lb/hr})(8760 \text{ hr/yr})(.0005 \text{ t/lb}) = 2.10 \text{ TPY}$$

5. Emission Limitation:
 Sulfur Oxide emissions (SOx) from the stack shall not exceed 1.57 lbs/hr and 6.88 TPY.

Compliance Method:

Compliance with the lbs/hr and TPY SOx emission limitations shall be demonstrated by a one-time calculation using emission factors from AP-42, Compilation of Air Pollution Emission Factors, 5th Ed., Chapter 3, Table 3.3-1, and the sulfur content of the fuel:

$$SOx = 157(.25 \text{ lb. sulfur content})/1000 \text{ gl}(0.04 \times 1000 \text{ gl/hr}) = 1.57 \text{ lbs/hr}(8760 \text{ hr/yr})(.0005 \text{ t/lb}) = 6.88 \text{ TPY}$$

F. **Miscellaneous Requirements**

1. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(1). (A copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the Southeast District Office prior to the relocation.