

Facility ID: 0278060725 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.

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Facility ID: 0278060725 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>
1800 KW diesel I.C. engine, unit NI-1	PTI # 02-8244 PTI # 02-10023	See Additional Terms and Conditions

2. Additional Terms and Conditions

- (a) The following permit limitations and/or requirements are established in accordance with PTI 02-8244, effective December 7, 1994, and with PTI 02-10023, effective April 10, 1996, and are considered federally enforceable:
 - a. PM: 0.25 lb/MMBTU heat input and 4.3 pounds per hour.
 - b. SO2: 0.3 lb/MMBTU heat input and 5.1 pounds per hour.
 - c. CO: 0.80 lb/MMBTU heat input and 13.61 pounds per hour.
 - d. VOC: 0.30 lb/MMBTU heat input and 5.1 pounds per hour;
 - e. NOx: 10.14 grams per horsepower-hour, 57.4 pounds per hour and 33.32 tons per year.
 - f. Visible particulate emissions shall not exceed 15% opacity on a six minute average except for a one hour period during the startup of the engine. Visible particulate emissions during this one hour period shall not exceed 20% opacity on a six minute average.
- (b) The engine is equipped with injection timing retard in order to comply with the emission limitation for NOx.

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 1161, based upon a rolling, 12-month summation of the operating hours.
2. The maximum annual diesel fuel usage for this emissions unit shall not exceed 144,777 gallons, based upon a rolling, 12-month summation of the production rates.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. The total operating hours.
 - b. The rolling, 12-month summation of the operating hours.
 - c. The total gallons of fuel burned.
 - d. The rolling, 12-month summation of fuel usage.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month

operating hours limitation.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month limitation on diesel fuel oil usage.
3. The permittee shall submit an annual report which summarizes the following information for the previous calendar year:
 - a. The hours of operation for each month.
 - b. The summation of operating hours for the calendar year.
 - c. The gallons of diesel fuel oil burned each month.
 - d. The summation of the amount of diesel fuel oil burned in the calendar year.
 - e. An estimate of the emissions of NOx, based on the most recent emissions test.

This report shall be submitted by February 15 of each year.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.2. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation Applicable Compliance Method

0.25 lb PM/MMBTU heat input OAC Rule 3745-17-03(B)(10)

15% opacity OAC Rule 3745-17-03(B)(1)

0.3 lb SO2/MMBTU heat input OAC Rule 3745-18-04(F)(2)

10.14 grams NOx/hp-hr USEPA Methods 7, 7A or 7E

0.80 lb CO/MMBTU heat input USEPA Method 10

0.30 lb VOC/MMBTU heat input AP-42, section 3.4
2. Periodic fuel sampling and analysis (at a minimum, annually) shall be done in accordance with 40 CFR, Part 60, "Appendix A", Method 19, or the appropriate ASTM methods, or equivalent methods as approved by the director of the Ohio EPA. In lieu of performing on-site sampling, representative fuel analyses performed by fuel suppliers may be acceptable. The representative sulfur dioxide emission rate from any sample shall be calculated using the formula in OAC Rule 3745-18-04 (F)(2).

F. Miscellaneous Requirements

1. In accordance with OAC Rule 3745-15-07, the operation or use of this source of air contaminants shall not cause a public nuisance.

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Part II - Special Terms and Conditions

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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>
1800 KW diesel I.C. engine, unit NI-2	PTI # 02-8244 PTI # 02-10023	See Additional Terms and Conditions

2. **Additional Terms and Conditions**

- (a) The following permit limitations and/or requirements are established in accordance with PTI 02-8244, effective December 7, 1994, and with PTI 02-10023, effective April 10, 1996, and are considered federally enforceable:
- a. PM: 0.25 lb/MMBTU heat input and 4.3 pounds per hour.
 - b. SO₂: 0.3 lb/MMBTU heat input and 5.1 pounds per hour.
 - c. CO: 0.80 lb/MMBTU heat input and 13.61 pounds per hour.
 - d. VOC: 0.30 lb/MMBTU heat input and 5.1 pounds per hour;
 - e. NO_x: 10.14 grams per horsepower-hour, 57.4 pounds per hour and 33.32 tons per year.
 - f. Visible particulate emissions shall not exceed 15% opacity on a six minute average except for a one hour period during the startup of the engine. Visible particulate emissions during this one hour period shall not exceed 20% opacity on a six minute average.
- (b) The engine is equipped with injection timing retard in order to comply with the emission limitation for NO_x.
- B. Operational Restrictions**
1. The maximum annual operating hours for this emissions unit shall not exceed 1161, based upon a rolling, 12-month summation of the operating hours.
 2. The maximum annual diesel fuel usage for this emissions unit shall not exceed 144,777 gallons, based upon a rolling, 12-month summation of the production rates.
- C. Monitoring and/or Record Keeping Requirements**
1. The permittee shall maintain monthly records of the following information:
 - a. The total operating hours.
 - b. The rolling, 12-month summation of the operating hours.
 - c. The total gallons of fuel burned.
 - d. The rolling, 12-month summation of fuel usage.
- D. Reporting Requirements**
1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation.
 2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month limitation on diesel fuel oil usage.
 3. The permittee shall submit an annual report which summarizes the following information for the previous calendar year:
 - a. The hours of operation for each month.
 - b. The summation of operating hours for the calendar year.
 - c. The gallons of diesel fuel oil burned each month.
 - d. The summation of the amount of diesel fuel oil burned in the calendar year.
 - e. An estimate of the emissions of NO_x, based on the most recent emissions test.

This report shall be submitted by February 15 of each year.
- E. Testing Requirements**
1. Compliance with the emission limitation(s) in Section A.2. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation	Applicable Compliance Method
0.25 lb PM/MMBTU heat input	OAC Rule 3745-17-03(B)(10)
15% opacity	OAC Rule 3745-17-03(B)(1)
0.3 lb SO ₂ /MMBTU heat input	OAC Rule 3745-18-04(F)(2)
10.14 grams NO _x /hp-hr	USEPA Methods 7, 7A or 7E
0.80 lb CO/MMBTU heat input	USEPA Method 10
0.30 lb VOC/MMBTU heat input	AP-42, section 3.4
 2. Periodic fuel sampling and analysis (at a minimum, annually) shall be done in accordance with 40 CFR, Part 60, "Appendix A", Method 19, or the appropriate ASTM methods, or equivalent methods as approved by the director of the Ohio EPA. In lieu of performing on-site sampling, representative fuel analyses performed by fuel suppliers may be acceptable. The representative sulfur dioxide emission rate from any sample shall be calculated using the formula in OAC Rule 3745-18-04 (F)(2).
- F. Miscellaneous Requirements**

1. In accordance with OAC Rule 3745-15-07, the operation or use of this source of air contaminants shall not cause a public nuisance.

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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>
1800 KW diesel I.C. engine, unit NI-3	PTI # 02-8244 PTI # 02-10023	See Additional Terms and Conditions

2. Additional Terms and Conditions

- (a) The following permit limitations and/or requirements are established in accordance with PTI 02-8244, effective December 7, 1994, and with PTI 02-10023, effective April 10, 1996, and are considered federally enforceable:
 - a. PM: 0.25 lb/MMBTU heat input and 4.3 pounds per hour.
 - b. SO2: 0.3 lb/MMBTU heat input and 5.1 pounds per hour.
 - c. CO: 0.80 lb/MMBTU heat input and 13.61 pounds per hour.
 - d. VOC: 0.30 lb/MMBTU heat input and 5.1 pounds per hour;
 - e. NOx: 10.14 grams per horsepower-hour, 57.4 pounds per hour and 33.32 tons per year.
 - f. Visible particulate emissions shall not exceed 15% opacity on a six minute average except for a one hour period during the startup of the engine. Visible particulate emissions during this one hour period shall not exceed 20% opacity on a six minute average.
- (b) The engine is equipped with injection timing retard in order to comply with the emission limitation for NOx.

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 1161, based upon a rolling, 12-month summation of the operating hours.
2. The maximum annual diesel fuel usage for this emissions unit shall not exceed 144,777 gallons, based upon a rolling, 12-month summation of the production rates.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. The total operating hours.
 - b. The rolling, 12-month summation of the operating hours.
 - c. The total gallons of fuel burned.
 - d. The rolling, 12-month summation of fuel usage.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month operating hours limitation.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month limitation on diesel fuel oil usage.
3. The permittee shall submit an annual report which summarizes the following information for the previous calendar year:
 - a. The hours of operation for each month.
 - b. The summation of operating hours for the calendar year.
 - c. The gallons of diesel fuel oil burned each month.
 - d. The summation of the amount of diesel fuel oil burned in the calendar year.
 - e. An estimate of the emissions of NOx, based on the most recent emissions test.

This report shall be submitted by February 15 of each year.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.2. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation Applicable Compliance Method

0.25 lb PM/MMBTU heat input OAC Rule 3745-17-03(B)(10)

15% opacity OAC Rule 3745-17-03(B)(1)

0.3 lb SO₂/MMBTU heat input OAC Rule 3745-18-04(F)(2)

10.14 grams NO_x/hp-hr USEPA Methods 7, 7A or 7E

0.80 lb CO/MMBTU heat input USEPA Method 10

0.30 lb VOC/MMBTU heat input AP-42, section 3.4
2. Periodic fuel sampling and analysis (at a minimum, annually) shall be done in accordance with 40 CFR, Part 60, "Appendix A", Method 19, or the appropriate ASTM methods, or equivalent methods as approved by the director of the Ohio EPA. In lieu of performing on-site sampling, representative fuel analyses performed by fuel suppliers may be acceptable. The representative sulfur dioxide emission rate from any sample shall be calculated using the formula in OAC Rule 3745-18-04 (F)(2).

F. Miscellaneous Requirements

1. In accordance with OAC Rule 3745-15-07, the operation or use of this source of air contaminants shall not cause a public nuisance.