

Facility ID: 0857103196 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: 0857103196 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>
P001 - Hot Test Stand No. 1	OAC rule 3745-31-05(A)(3) PTI # 08-04257	The carbon monoxide (CO) emissions shall not exceed 1.1 lb/hr and 4.82 TPY. The nitrogen oxides (NOx) emissions shall not exceed 0.8 lb/hr and 3.50 TPY. The organic compounds (OC) emissions shall not exceed 0.3 lb/hr and 1.31 TPY. The sulfur dioxide (SO2) emissions shall not exceed 0.2 lb/hr and 0.88 TPY. The particulate emissions (PE) shall not exceed 0.2 lb/hr and 0.88 TPY.
	OAC rule 3745-17-07(A)	The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule. The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 1.1 lb CO/hr, 0.8 lb NOx/hr, 0.3 lb OC/hr, 0.2 lb SO2/hr, and 0.2 lb PE/hr limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. The total number of engines tested; and

- b. The total engine running time compiled for all engines tested during the month.
- D. **Reporting Requirements**
1. None
- E. **Testing Requirements**
1. Compliance with the emission limitations in Section A.1.1. of this permit shall be determined in accordance with the following methods:
- Emission Limitation -
The CO emissions shall not exceed 1.1 lb/hr .
- Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.01 lb CO/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall be also be determined by using Reference Method 10, as specified in 40 CFR Part 60, Appendix A.
- Emission Limitation -
The CO emissions shall not exceed 4.82 TPY.
- Applicable Compliance Method -
The 4.82 TPY limitation was developed by multiplying the specified allowable emission rate of 1.1 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
- Emission Limitation -
The NOx emissions shall not exceed 0.8 lb/hr .
- Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.008 lb NOx/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall also be determined by using Reference Method 7, as specified in 40 CFR Part 60, Appendix A.
- Emission Limitation -
The NOx emissions shall not exceed 3.50 TPY.
- Applicable Compliance Method -
The 3.50 TPY limitation was developed by multiplying the specified allowable emission rate of 0.8 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
- Emission Limitation -
The OC emissions shall not exceed 0.3 lb/hr.
- Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.003 lb OC/hp-hr (AP-42, Table 3.3-1 (10/96)).
- Emission Limitation -
The OC emissions shall not exceed 1.31 TPY.
- Applicable Compliance Method -
The 1.31 TPY limitation was developed by multiplying the specified allowable emission rate of 0.3 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
- Emission Limitation -
The SO2 emisissions shall not exceed 0.2 lb/hr.
- Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb SO2/hp-hr (AP-42, Table 3.3-1 (10/96)).
- Emission Limitation -
The SO2 emisissions shall not exceed 0.88 TPY.
- Applicable Compliance Method -
The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
- Emission Limitation -
The PE shall not xceed 0.2 lb/hr.
- Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb PE/hp-hr (AP-42, Table 3.3-1, (10/96)). If required, compliance shall be also be determined by using Reference Method 5, as specified in 40 CFR Part 60, Appendix A.
- Emission Limitation -
The PE shall not xceed 0.88 TPY.
- Applicable Compliance Method -
The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
- Emission Limitation -
The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule.
- Applicable Compliance Method -
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Method 9.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0857103196 Emissions Unit ID: P002 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>
P002 - Hot Test Stand No. 2	OAC rule 3745-31-05(A)(3) PTI # 08-04257	The carbon monoxide (CO) emissions shall not exceed 1.1 lb/hr and 4.82 TPY. The nitrogen oxides (NOx) emissions shall not exceed 0.8 lb/hr and 3.50 TPY. The organic compounds (OC) emissions shall not exceed 0.3 lb/hr and 1.31 TPY. The sulfur dioxide (SO2) emissions shall not exceed 0.2 lb/hr and 0.88 TPY. The particulate emissions (PE) shall not exceed 0.2 lb/hr and 0.88 TPY.
	OAC rule 3745-17-07(A)	The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule. The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).

- 2. **Additional Terms and Conditions**
 - (a) The 1.1 lb CO/hr, 0.8 lb NOx/hr, 0.3 lb OC/hr, 0.2 lb SO2/hr, and 0.2 lb PE/hr limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

B. Operational Restrictions

- 1. None

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall maintain monthly records of the following information:
 - a. The total number of engines tested; and
 - b. The total engine running time compiled for all engines tested during the month.

D. Reporting Requirements

- 1. None

E. Testing Requirements

- 1. Compliance with the emission limitations in Section A.I.1. of this permit shall be determined in accordance with the following methods:

Emission Limitation -

The CO emissions shall not exceed 1.1 lb/hr .

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.01 lb CO/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall also be determined by using Reference Method 10, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -

The CO emissions shall not exceed 4.82 TPY.

Applicable Compliance Method -

The 4.82 TPY limitation was developed by multiplying the specified allowable emission rate of 1.1 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The NOx emissions shall not exceed 0.8 lb/hr .

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.008 lb NOx/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall also be determined by using Reference Method 7, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -

The NOx emissions shall not exceed 3.50 TPY.

Applicable Compliance Method -

The 3.50 TPY limitation was developed by multiplying the specified allowable emission rate of 0.8 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The OC emissions shall not exceed 0.3 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.003 lb OC/hp-hr (AP-42, Table 3.3-1 (10/96)).

Emission Limitation -

The OC emissions shall not exceed 1.31 TPY.

Applicable Compliance Method -

The 1.31 TPY limitation was developed by multiplying the specified allowable emission rate of 0.3 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The SO2 emissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb SO2/hp-hr (AP-42, Table 3.3-1 (10/96)).

Emission Limitation -

The SO2 emissions shall not exceed 0.88 TPY.

Applicable Compliance Method -

The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The PE shall not exceed 0.2 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb PE/hp-hr (AP-42, Table 3.3-1, (10/96)). If required, compliance shall be also be determined by using Reference Method 5, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -

The PE shall not exceed 0.88 TPY.

Applicable Compliance Method -

The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Method 9.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 0857103196 Emissions Unit ID: P003 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>
P003 - Hot Test Stand No. 3	OAC rule 3745-31-05(A)(3) PTI # 08-04257	The carbon monoxide (CO) emissions shall not exceed 1.1 lb/hr and 4.82 TPY. The nitrogen oxides (NOx) emissions shall not exceed 0.8 lb/hr and 3.50 TPY. The organic compounds (OC) emissions shall not exceed 0.3 lb/hr and 1.31 TPY. The sulfur dioxide (SO2) emissions shall not exceed 0.2 lb/hr and 0.88 TPY. The particulate emissions (PE) shall not exceed 0.2 lb/hr and 0.88 TPY. The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-07(A)	The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The 1.1 lb CO/hr, 0.8 lb NOx/hr, 0.3 lb OC/hr, 0.2 lb SO2/hr, and 0.2 lb PE/hr limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. The total number of engines tested; and
 - b. The total engine running time compiled for all engines tested during the month.

D. Reporting Requirements

1. None

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1. of this permit shall be determined in accordance with the following methods:
 Emission Limitation -
 The CO emissions shall not exceed 1.1 lb/hr .

 Applicable Compliance Method -
 Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.01 lb CO/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall be also be determined by using Reference Method 10, as specified in 40 CFR Part 60, Appendix A.
 Emission Limitation -

The CO emissions shall not exceed 4.82 TPY.

Applicable Compliance Method -

The 4.82 TPY limitation was developed by multiplying the specified allowable emission rate of 1.1 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The NOx emissions shall not exceed 0.8 lb/hr .

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.008 lb NOx/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall also be determined by using Reference Method 7, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -

The NOx emissions shall not exceed 3.50 TPY.

Applicable Compliance Method -

The 3.50 TPY limitation was developed by multiplying the specified allowable emission rate of 0.8 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The OC emissions shall not exceed 0.3 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.003 lb OC/hp-hr (AP-42, Table 3.3-1 (10/96)).

Emission Limitation -

The OC emissions shall not exceed 1.31 TPY.

Applicable Compliance Method -

The 1.31 TPY limitation was developed by multiplying the specified allowable emission rate of 0.3 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The SO2 emisissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb SO2/hp-hr (AP-42, Table 3.3-1 (10/96)).

Emission Limitation -

The SO2 emisissions shall not exceed 0.88 TPY.

Applicable Compliance Method -

The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The PE shall not exceed 0.2 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb PE/hp-hr (AP-42, Table 3.3-1, (10/96)). If required, compliance shall be also be determined by using Reference Method 5, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -

The PE shall not exceed 0.88 TPY.

Applicable Compliance Method -

The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Method 9.

F. **Miscellaneous Requirements**

1. None

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Facility ID: 0857103196 Emissions Unit ID: P004 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>
P004 - Hot Test Stand No. 4	OAC rule 3745-31-05(A)(3) PTI # 08-04257	The carbon monoxide (CO) emissions shall not exceed 1.1 lb/hr and 4.82 TPY. The nitrogen oxides (NOx) emissions shall not exceed 0.8 lb/hr and 3.50 TPY. The organic compounds (OC) emissions shall not exceed 0.3 lb/hr and 1.31 TPY. The sulfur dioxide (SO2) emissions shall not exceed 0.2 lb/hr and 0.88 TPY. The particulate emissions (PE) shall not exceed 0.2 lb/hr and 0.88 TPY. The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule. The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	

2. Additional Terms and Conditions

- (a) The 1.1 lb CO/hr, 0.8 lb NOx/hr, 0.3 lb OC/hr, 0.2 lb SO2/hr, and 0.2 lb PE/hr limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. The total number of engines tested; and
 - b. The total engine running time compiled for all engines tested during the month.

D. Reporting Requirements

1. None

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1.1. of this permit shall be determined in accordance with the following methods:
 - Emission Limitation -
The CO emissions shall not exceed 1.1 lb/hr .
 - Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.01 lb CO/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall be also be determined by using Reference Method 10, as specified in 40 CFR Part 60, Appendix A.
 - Emission Limitation -
The CO emissions shall not exceed 4.82 TPY.
 - Applicable Compliance Method -
The 4.82 TPY limitation was developed by multiplying the specified allowable emission rate of 1.1 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - Emission Limitation -
The NOx emissions shall not exceed 0.8 lb/hr .
 - Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.008 lb NOx/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall also be determined by using Reference Method 7, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -

The NOx emissions shall not exceed 3.50 TPY.

Applicable Compliance Method -

The 3.50 TPY limitation was developed by multiplying the specified allowable emission rate of 0.8 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The OC emissions shall not exceed 0.3 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.003 lb OC/hp-hr (AP-42, Table 3.3-1 (10/96)).

Emission Limitation -

The OC emissions shall not exceed 1.31 TPY.

Applicable Compliance Method -

The 1.31 TPY limitation was developed by multiplying the specified allowable emission rate of 0.3 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The SO2 emissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb SO2/hp-hr (AP-42, Table 3.3-1 (10/96)).

Emission Limitation -

The SO2 emissions shall not exceed 0.88 TPY.

Applicable Compliance Method -

The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The PE shall not exceed 0.2 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb PE/hp-hr (AP-42, Table 3.3-1, (10/96)). If required, compliance shall also be determined by using Reference Method 5, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -

The PE shall not exceed 0.88 TPY.

Applicable Compliance Method -

The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Method 9.

F. Miscellaneous Requirements

1. None

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Facility ID: 0857103196 Emissions Unit ID: P005 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>
P005 - Hot Test Stand No. 5	OAC rule 3745-31-05(A)(3) PTI # 08-04257	The carbon monoxide (CO) emissions shall not exceed 1.1 lb/hr and 4.82 TPY. The nitrogen oxides (NOx) emissions shall not exceed 0.8 lb/hr and 3.50 TPY. The organic compounds (OC) emissions shall not exceed 0.3 lb/hr and 1.31 TPY. The sulfur dioxide (SO2) emissions shall not exceed 0.2 lb/hr and 0.88 TPY. The particulate emissions (PE) shall not exceed 0.2 lb/hr and 0.88 TPY. The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule. The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	

2. Additional Terms and Conditions

- (a) The 1.1 lb CO/hr, 0.8 lb NOx/hr, 0.3 lb OC/hr, 0.2 lb SO2/hr, and 0.2 lb PE/hr limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. The total number of engines tested; and
 - b. The total engine running time compiled for all engines tested during the month.

D. Reporting Requirements

1. None

E. Testing Requirements

1. Compliance with the emission limitations in Section A.I.1. of this permit shall be determined in accordance with the following methods:
 - Emission Limitation -
The CO emissions shall not exceed 1.1 lb/hr .
 - Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.01 lb CO/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall be also be determined by using Reference Method 10, as specified in 40 CFR Part 60, Appendix A.
 - Emission Limitation -
The CO emissions shall not exceed 4.82 TPY.
 - Applicable Compliance Method -
The 4.82 TPY limitation was developed by multiplying the specified allowable emission rate of 1.1 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.
 - Emission Limitation -
The NOx emissions shall not exceed 0.8 lb/hr .
 - Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the 0.008 lb NOx/hp-hr emission factor established during the January 2001 performance testing. If required, compliance shall also be determined by using Reference Method 7, as specified in 40 CFR Part 60, Appendix A.
 - Emission Limitation -
The NOx emissions shall not exceed 3.50 TPY.
 - Applicable Compliance Method -
The 3.50 TPY limitation was developed by multiplying the specified allowable emission rate of 0.8 lb/hr by the

maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The OC emissions shall not exceed 0.3 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.003 lb OC/hp-hr (AP-42, Table 3.3-1 (10/96)).

Emission Limitation -

The OC emissions shall not exceed 1.31 TPY.

Applicable Compliance Method -

The 1.31 TPY limitation was developed by multiplying the specified allowable emission rate of 0.3 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The SO2 emissions shall not exceed 0.2 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb SO2/hp-hr (AP-42, Table 3.3-1 (10/96)).

Emission Limitation -

The SO2 emissions shall not exceed 0.88 TPY.

Applicable Compliance Method -

The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The PE shall not exceed 0.2 lb/hr.

Applicable Compliance Method -

Compliance shall be demonstrated by multiplying the average test protocol horsepower output (100 hp) by the emission factor, 0.002 lb PE/hp-hr (AP-42, Table 3.3-1, (10/96)). If required, compliance shall be also be determined by using Reference Method 5, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -

The PE shall not exceed 0.88 TPY.

Applicable Compliance Method -

The 0.88 TPY limitation was developed by multiplying the specified allowable emission rate of 0.2 lb/hr by the maximum annual operating schedule of 8,760 hrs/yr and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -

The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method -

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Method 9.

F. Miscellaneous Requirements

1. None

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Facility ID: 0857103196 Emissions Unit ID: P010 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>
P010 - Engine Audit Test Stand #1	OAC rule 3745-31-05(A)(3) PTI # 08-04211	The nitrogen oxides (NOx) emissions shall not exceed 3.08 lbs/hr and 13.51 TPY. The carbon monoxid (CO) emissions shall not exceed 1.54 lbs/hr and 6.75 TPY. The volatile organic compound (VOC) emissions shall not exceed 0.15 lb/hr and 0.68 TPY VOC. The sulfur dioxide (SO2) emissions shall not exceed 0.72 lb/hr and 3.15 TPY. The particule emissions (PE) shall not exceed 0.77 lb/hr and 3.37 TPY. The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule. The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	

2. **Additional Terms and Conditions**

- (a) The 3.08 lbs NOx/hr, 1.54 lbs CO/hr, 0.15 lb VOC/hr, 0.72 lb SO2/hr, and 0.77 lb particulate/hr limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

B. **Operational Restrictions**

- 1. None

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

- 1. The permittee shall maintain monthly records of the following information:

- a. the total number of engines tested; and
- b. the total number of hours for testing engines.
The permittee shall maintain monthly records of the following information:

- a. the total number of engines tested; and
- b. the total number of hours for testing engines.

D. **Reporting Requirements**

- 1. The permittee shall submit annual reports which specify the total NOx emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. **Testing Requirements**

- 1. Compliance with the emission limitations Section A.1.1. of this permit shall be determined in accordance with the following methods:
Emission Limitation -
The NOx emissions shall not exceed 3.08 lbs/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the company derived emission factor, 4.0 grams NOx/hp-hr, by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound. Compliance shall also be determined by a stack test using Reference Method 7, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -
The NOx emissions shall not exceed 13.51 TPY.

Applicable Compliance Method -
The 13.51 TPY limitation was developed by multiplying the specified allowable emission rate of 3.08 lbs/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The CO emissions shall not exceed 1.54 lbs/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the company derived emission factor, 2.0 grams CO/hp-hr, by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound. Compliance shall also be determined by a performance test using the USEPA Reference Method 10, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -
The CO emissions shall not exceed 6.75 TPY.

Applicable Compliance Method -
The 6.75 TPY limitation was developed by multiplying the specified allowable emission rate of 1.54 lbs/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided

compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The VOC emissions shall not exceed 0.15 lb/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the company derived emission factor, 0.2 grams VOC/hp-hr, by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound.

Emission Limitation -
The VOC emissions shall not exceed 0.68 TPY VOC.

Applicable Compliance Method -
The 0.68 TPY limitation was developed by multiplying the specified allowable emission rate of 0.15 lb/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The SO₂ emissions shall not exceed 0.72 lb/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the emission factor, 0.931 grams SO₂/hp-hr (AP-42, Table 3.3-1 (10/96)), by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound.

Emission Limitation -
The SO₂ emissions shall not exceed 3.15 TPY.

Applicable Compliance Method -
The 3.15 TPY limitation was developed by multiplying the specified allowable emission rate of 0.72 lb/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The PE shall not exceed 0.77 lb/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the emission factor, 1.0 grams particulate/hp-hr (AP-42, Table 3.3-1 (10/96)), by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound.

Emission Limitation -
The PE shall not exceed 3.37 TPY.

Applicable Compliance Method -
The 3.37 TPY limitation was developed by multiplying the specified allowable emission rate of 0.77 lb/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method -
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Method 9.

F. Miscellaneous Requirements

1. None

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Facility ID: 0857103196 Emissions Unit ID: P011 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>
P011 - Engine Audit Test Stand #2	OAC rule 3745-31-05(A)(3) PTI # 08-04211	The nitrogen oxides (NOx) emissions shall not exceed 3.08 lbs/hr and 13.51 TPY. The carbon monoxid (CO) emissions shall not exceed 1.54 lbs/hr and 6.75 TPY. The volatile organic compound (VOC) emissions shall not exceed 0.15 lb/hr and 0.68 TPY VOC. The sulfur dioxide (SO2) emissions shall not exceed 0.72 lb/hr and 3.15 TPY. The particule emissions (PE) shall not exceed 0.77 lb/hr and 3.37 TPY. The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule. The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	

2. **Additional Terms and Conditions**

- (a) The 3.08 lbs NOx/hr, 1.54 lbs CO/hr, 0.15 lb VOC/hr, 0.72 lb SO2/hr, and 0.77 lb particulate/hr limitations were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limitations.

B. **Operational Restrictions**

- 1. None

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

- 1. The permittee shall maintain monthly records of the following information:

- a. the total number of engines tested; and
- b. the total number of hours for testing engines.
The permittee shall maintain monthly records of the following information:

- a. the total number of engines tested; and
- b. the total number of hours for testing engines.

D. **Reporting Requirements**

- 1. The permittee shall submit annual reports which specify the total NOx emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

E. **Testing Requirements**

- 1. Compliance with the emission limitations Section A.1.1. of this permit shall be determined in accordance with the following methods:
Emission Limitation -
The NOx emissions shall not exceed 3.08 lbs/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the company derived emission factor, 4.0 grams NOx/hp-hr, by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound. Compliance shall also be determined by a stack test using Reference Method 7, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -
The NOx emissions shall not exceed 13.51 TPY.

Applicable Compliance Method -
The 13.51 TPY limitation was developed by multiplying the specified allowable emission rate of 3.08 lbs/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The CO emissions shall not exceed 1.54 lbs/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the company derived emission factor, 2.0 grams CO/hp-hr, by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound. Compliance shall also be determined by a performance test using the USEPA Reference Method 10, as specified in 40 CFR Part 60, Appendix A.

Emission Limitation -
The CO emissions shall not exceed 6.75 TPY.

Applicable Compliance Method -
The 6.75 TPY limitation was developed by multiplying the specified allowable emission rate of 1.54 lbs/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided

compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The VOC emissions shall not exceed 0.15 lb/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the company derived emission factor, 0.2 grams VOC/hp-hr, by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound.

Emission Limitation -
The VOC emissions shall not exceed 0.68 TPY VOC.

Applicable Compliance Method -
The 0.68 TPY limitation was developed by multiplying the specified allowable emission rate of 0.15 lb/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The SO2 emissions shall not exceed 0.72 lb/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the emission factor, 0.931 grams SO2/hp-hr (AP-42, Table 3.3-1 (10/96)), by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound.

Emission Limitation -
The SO2 emissions shall not exceed 3.15 TPY.

Applicable Compliance Method -
The 3.15 TPY limitation was developed by multiplying the specified allowable emission rate of 0.72 lb/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The PE shall not exceed 0.77 lb/hr.

Applicable Compliance Method -
Compliance shall be demonstrated by multiplying the emission factor, 1.0 grams particulate/hp-hr (AP-42, Table 3.3-1 (10/96)), by the maximum horsepower output rating, 350 hp, and dividing by the conversion factor, 454 grams/pound.

Emission Limitation -
The PE shall not exceed 3.37 TPY.

Applicable Compliance Method -
The 3.37 TPY limitation was developed by multiplying the specified allowable emission rate of 0.77 lb/hr by the maximum annual operating schedule of 8,760 hours/year and dividing by 2000 lb/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

Emission Limitation -
The visible particulate emissions from the stack shall not exceed 15 percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method -
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Method 9.

F. Miscellaneous Requirements

1. None

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Facility ID: 0857103196 Emissions Unit ID: P019 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>
P019 - Connecting Rod Machining Line with Mist Collector Units # 7 & 10	OAC rule 3745-31-05(A)(3) PTI # 08-04284	The particulate emissions (PE) shall not exceed 0.19 lb/hr and 0.84 TPY. The visible particulate emissions from the stack shall not exceed 10 percent opacity as a six-minute average, except as provided by rule. The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3). The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(A)	
	OAC rule 3745-17-11	
2. Additional Terms and Conditions		
<p>(a) The 0.19 lb/hr PE limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and reporting requirements to ensure compliance with the emission limitation.</p>		
B. Operational Restrictions		
<p>1. The pressure drop across each HEPA filter for mist collector units (MCU) # 7 & 10 shall be maintained within the range of 0.5 to 3.0 inches of water while the emissions unit is in operation.</p>		
C. Monitoring and/or Record Keeping Requirements		
<p>1. The permittee shall properly install, operate, and maintain monitoring equipment and a recorder which simultaneously measures and records the pressure drop across each HEPA filter while the emissions unit is in operation. The monitoring and recording devices shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the hourly average for each pressure drop across the HEPA filters.</p>		
D. Reporting Requirements		
<p>1. The permittee shall submit pressure drop deviation (excursion) reports, in accordance with Section A.2. of the General Terms and Conditions, that identify that all periods of time during which the pressure drop across each HEPA filter did not comply with the allowable range specified in B.1 above.</p>		
E. Testing Requirements		
<p>1. Compliance with the specified emission limitations in Section A.1. of this permit shall be demonstrated in accordance with the following methods:</p> <p>Emission Limitation - The PE shall not exceed 0.19 lb/hr.</p> <p>Applicable Compliance Method - Compliance shall be determined by multiplying the maximum combined airflow from the MCUs # 7 & 10 (813,300 ft³/hr), by the company derived emission factor of 2.35 X 10⁻⁷ lb PE/ft³. If required, compliance with the PE limitation shall be determined in accordance with USEPA Reference Method 5 of 40 CFR Part 60, Appendix A.</p> <p>Emission Limitation - The PE shall not exceed 0.84 TPY.</p> <p>Applicable Compliance Method - The 0.84 TPY limitation was developed by multiplying the specified allowable emission rate of 0.19 lb/hr by the maximum annual operating schedule of 8,760 hours and dividing by 2000 lb/ton. Therefore, provided compliance is demonstrated with the hourly limitation, compliance will also be shown with the annual limitation.</p> <p>Emission Limitation - The visible particulate emissions from the stack shall not exceed 10 percent opacity as a six-minute average, except as provided by rule.</p> <p>Applicable Compliance Method - Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures in USEPA Reference Method 9.</p>		
F. Miscellaneous Requirements		
<p>1. None</p>		