

Facility ID: 1431302438 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.

[Go to Part II for Emissions Unit T012](#)
[Go to Part II for Emissions Unit T015](#)
[Go to Part II for Emissions Unit T016](#)

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1431302438 Emissions Unit ID: T012 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>
T012 - 35,000 gallon fixed roof storage tank with mist eliminator	OAC rule 3745-31-05(A)(3) PTI 14-05627	Emissions of particulate matter (PM) and particulate matter 10 microns and less (PM-10) shall not exceed 0.14 lb/hour. Emissions of volatile organic compounds (VOC) shall not exceed 5.05 lbs/hr. Emissions of carbon monoxide (CO) shall not exceed 0.13 lb/hr and 0.56 ton/yr. Emissions of hydrogen sulfide (H2S) shall not exceed 0.16 lb/hr and 0.70 ton/yr. The hourly and annual, except for PM, PM-10 and VOC, emission limitations outlined above are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly and annual records are required to demonstrate compliance with these limits. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-31-05(C).
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-09(L)(2) 40 CFR Part 60, Subpart Kb	Exempt. Exempt.
	OAC rule 3745-31-05(C)	Emissions of particulate matter (PM) and particulate matter less than 10 microns shall not exceed 0.25 ton/yr, based on a rolling, 12-month summation.
		Emissions of volatile organic compounds (VOC) shall not exceed 8.85 tons/yr, based on a rolling, 12-month summation.

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a mist eliminator with a 90% PM control efficiency, and compliance with the opacity limitation and the mass emissions

limitations.

B. Operational Restrictions

1. The lower explosive limit (LEL) shall not exceed 23 mg/liter while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall monitor the lower explosive limit (LEL) in the vapor space of this emissions unit on a monthly basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall maintain monthly records of the following information:
 - a. the monthly LEL reading;
 - b. the annual average LEL reading;
 - c. the PM, PM-10 and VOC emissions in tons; and
 - d. the updated rolling, 12-month summation emissions total, in tons, for PM, PM-10 and VOC (the total amount of emissions for the current month plus the total amount of emissions for the previous eleven calendar months).

D. Reporting Requirements

1. The permittee shall submit LEL quarterly deviation (excursion) reports that identify all periods of time during which the LEL value exceeded the value specified in section B.1.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month emission limitations for PM, PM-10 and VOC.
3. The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period (January through December).

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), Appendix A, U.S. EPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

Emission Limitations:

Emissions of particulate matter (PM) and particulate matter 10 microns and less (PM-10) shall not exceed 0.14 lb/hour.

Applicable Compliance Method:

The hourly PM/PM-10 emissions shall be determined by using the following equation:

$$\text{lbs/hr of PM/PM-10} = (A) \times (1-C).$$

where,

A = uncontrolled short-term peak PM/PM-10 emission rate of 1.42 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

C = mist eliminator control efficiency of 90 percent, expressed as a decimal (0.90).

If required, compliance shall be determined using the following method:

For PM, Methods 1-4 and 5A of 40 CFR Part 60, Appendix A.

For PM-10, Methods 1-4 and 201 of 40 CFR Part 51, Appendix M.

Emission Limitations:

Emissions of particulate matter (PM) and particulate matter less than 10 microns shall not exceed 0.25 ton/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

The annual PM/PM-10 emissions shall be determined by using the following equations:

$$\text{tons/yr of PM/PM-10} = (B) \times (1-C) \times (D) \times 1 \text{ ton}/2000 \text{ lbs}$$

where,

B = uncontrolled annual PM/PM-10 emission rate of 0.57 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

C = mist eliminator control efficiency of 90 percent, expressed as a decimal (0.90).

D = maximum hours operated annually (8760).

Compliance with the rolling, 12-month emission limitation shall be demonstrated by the recordkeeping required in term C.1.d.

If required, compliance shall be determined using the following method:

For PM, Methods 1-4 and 5A of 40 CFR Part 60, Appendix A.
For PM-10, Methods 1-4 and 201 of 40 CFR Part 51, Appendix M.
Emission Limitation:

Emissions of volatile organic compounds (VOC) shall not exceed 5.05 lbs/hr.

Applicable Compliance Method:

The hourly VOC emissions shall be determined using the following equation:

lbs/hr of VOC = (A)

where,

A = uncontrolled short-term peak VOC emission rate of 5.05 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

If required, compliance shall be determined using the following method:

Methods 1-4 and 18 or 25 of 40 CFR Part 60, Appendix A.
Emission Limitation:

Emissions of volatile organic compounds (VOC) shall not exceed 8.85 tons/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

The annual VOC emissions shall be determined using the following equation:

tons/yr of VOC = (B) x (C) x 1 ton/2000 lbs

where,

B = uncontrolled annual VOC emission rate of 2.02 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

C = maximum hours operated annually (8760).

Compliance with the rolling, 12-month emission limitation shall be demonstrated by the recordkeeping required in term C.1.d.

If required, compliance shall be determined using the following method:

Methods 1-4 and 18 or 25 of 40 CFR Part 60, Appendix A.
Emission Limitations:

Emissions of carbon monoxide (CO) shall not exceed 0.13 lb/hr and 0.56 ton/yr.

Applicable Compliance Method:

The hourly and annual CO emissions shall be determined using the following equations:

lbs/hr of CO = (A)

tons/yr of CO = (B) x (C) x 1 ton/2000 lbs

where,

A = uncontrolled short-term peak CO emission rate of 0.13 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

B = uncontrolled annual CO emission rate of 0.13 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

C = maximum hours operated annually (8760).

If required, compliance shall be determined using the following method:

Methods 1-4 and 10 or 10B of 40 CFR Part 60, Appendix A.
Emission Limitations:

Emissions of hydrogen sulfide (H2S) shall not exceed 0.16 lb/hr and 0.70 ton/yr.

Applicable Compliance Method:

The hourly and annual H2S emissions shall be determined using the following equations:

lbs/hr of H2S = (A)

tons/yr of CO = (B) x (C) x 1 ton/2000 lbs

where,

A = uncontrolled short-term peak H2S emission rate of 0.16 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

B = uncontrolled annual H2S emission rate of 0.16 lb/hr, documented in PTI application 14-05627, received

October 4, 2004.

C = maximum hours operated annually (8760).

If required, compliance shall be determined using the following method:

Methods 1-4 and 15 of 40 CFR Part 60, Appendix A.

2. Compliance with section B.1 shall be demonstrated by the record keeping in section C.1.

F. Miscellaneous Requirements

1. The following terms and conditions of this permit are federally enforceable: A, C, D and E.

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Facility ID: 1431302438 Emissions Unit ID: T015 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>
T015 - 55,000 gallon fixed roof storage tank with mist eliminator	OAC rule 3745-31-05(A)(3) PTI 14-05627	Emissions of particulate matter (PM) and particulate matter 10 microns and less (PM-10) shall not exceed 0.14 lb/hour. Emissions of volatile organic compounds (VOC) shall not exceed 5.05 lbs/hr. Emissions of carbon monoxide (CO) shall not exceed 0.13 lb/hr and 0.56 ton/yr. Emissions of hydrogen sulfide (H2S) shall not exceed 0.16 lb/hr and 0.70 ton/yr.
		The hourly and annual, except for PM, PM-10 and VOC, emission limitations outlined above are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly and annual records are required to demonstrate compliance with these limits.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-31-05(C).
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-09(L)(2) 40 CFR Part 60, Subpart Kb OAC rule 3745-31-05(C)	Exempt. Exempt. Emissions of particulate matter (PM) and particulate matter less than 10 microns shall not exceed 0.25 ton/yr, based on a rolling, 12-month summation. Emissions of volatile organic compounds (VOC) shall

not exceed 8.85 tons/yr, based on a rolling, 12-month summation.

2. **Additional Terms and Conditions**

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a mist eliminator with a 90% PM control efficiency, and compliance with the opacity limitation and the mass emission limitations.

B. Operational Restrictions

1. The lower explosive limit (LEL) shall not exceed 23 mg/liter while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall monitor the lower explosive limit (LEL) in the vapor space of this emissions unit on a monthly basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall maintain monthly records of the following information:
- the monthly LEL reading;
 - the annual average LEL reading;
 - the PM, PM-10 and VOC emissions in tons; and
 - the updated rolling, 12-month summation emissions total, in tons, for PM, PM-10 and VOC (the total amount of emissions for the current month plus the total amount of emissions for the previous eleven calendar months).

D. Reporting Requirements

- The permittee shall submit LEL quarterly deviation (excursion) reports that identify all periods of time during which the LEL value exceeded the value specified in section B.1.
- The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month emission limitations for PM, PM-10 and VOC.
- The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
- The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period (January through December).

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), Appendix A, U.S. EPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

Emission Limitations:

Emissions of particulate matter (PM) and particulate matter 10 microns and less (PM-10) shall not exceed 0.14 lb/hour.

Applicable Compliance Method:

The hourly PM/PM-10 emissions shall be determined by using the following equation:

$$\text{lbs/hr of PM/PM-10} = (A) \times (1-C).$$

where,

A = uncontrolled short-term peak PM/PM-10 emission rate of 1.42 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

C = mist eliminator control efficiency of 90 percent, expressed as a decimal (0.90).

If required, compliance shall be determined using the following method:

For PM, Methods 1-4 and 5A of 40 CFR Part 60, Appendix A.
For PM-10, Methods 1-4 and 201 of 40 CFR Part 51, Appendix M.

Emission Limitations:

Emissions of particulate matter (PM) and particulate matter less than 10 microns shall not exceed 0.25 ton/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

The annual PM/PM-10 emissions shall be determined by using the following equations:

$$\text{tons/yr of PM/PM-10} = (B) \times (1-C) \times (D) \times 1 \text{ ton}/2000 \text{ lbs}$$

where,

B = uncontrolled annual PM/PM-10 emission rate of 0.57 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

C = mist eliminator control efficiency of 90 percent, expressed as a decimal (0.90).

D = maximum hours operated annually (8760).

Compliance with the rolling, 12-month emission limitation shall be demonstrated by the recordkeeping required in term C.1.d.

If required, compliance shall be determined using the following method:

For PM, Methods 1-4 and 5A of 40 CFR Part 60, Appendix A.

For PM-10, Methods 1-4 and 201 of 40 CFR Part 51, Appendix M.

Emission Limitation:

Emissions of volatile organic compounds (VOC) shall not exceed 5.05 lbs/hr.

Applicable Compliance Method:

The hourly VOC emissions shall be determined using the following equation:

$$\text{lbs/hr of VOC} = (A)$$

where,

A = uncontrolled short-term peak VOC emission rate of 5.05 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

If required, compliance shall be determined using the following method:

Methods 1-4 and 18 or 25 of 40 CFR Part 60, Appendix A.

Emission Limitation:

Emissions of volatile organic compounds (VOC) shall not exceed 8.85 tons/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

The annual VOC emissions shall be determined using the following equations:

$$\text{tons/yr of VOC} = (B) \times (C) \times 1 \text{ ton}/2000 \text{ lbs}$$

where,

B = uncontrolled annual VOC emission rate of 2.02 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

C = maximum hours operated annually (8760).

Compliance with the rolling, 12-month emission limitation shall be demonstrated by the recordkeeping required in term C.1.d.

If required, compliance shall be determined using the following method:

Methods 1-4 and 18 or 25 of 40 CFR Part 60, Appendix A.

Emission Limitations:

Emissions of carbon monoxide (CO) shall not exceed 0.13 lb/hr and 0.56 ton/yr.

Applicable Compliance Method:

The hourly and annual CO emissions shall be determined using the following equations:

$$\text{lbs/hr of CO} = (A)$$

$$\text{tons/yr of CO} = (B) \times (C) \times 1 \text{ ton}/2000 \text{ lbs}$$

where,

A = uncontrolled short-term peak CO emission rate of 0.13 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

B = uncontrolled annual CO emission rate of 0.13 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

C = maximum hours operated annually (8760).

If required, compliance shall be determined using the following method:

Methods 1-4 and 10 or 10B of 40 CFR Part 60, Appendix A.

Emission Limitations:

Emissions of hydrogen sulfide (H₂S) shall not exceed 0.16 lb/hr and 0.70 ton/yr.

Applicable Compliance Method:

The hourly and annual H₂S emissions shall be determined using the following equations:

$$\text{lbs/hr of H}_2\text{S} = (A)$$

$$\text{tons/yr of CO} = (B) \times (C) \times 1 \text{ ton}/2000 \text{ lbs}$$

where,

- A = uncontrolled short-term peak H2S emission rate of 0.16 lb/hr, documented in PTI application 14-05627, received October 4, 2004.
- B = uncontrolled annual H2S emission rate of 0.16 lb/hr, documented in PTI application 14-05627, received October 4, 2004.
- C = maximum hours operated annually (8760).

If required, compliance shall be determined using the following method:

Methods 1-4 and 15 of 40 CFR Part 60, Appendix A.

- 2. Compliance with section B.1 shall be demonstrated by the record keeping in section C.1.

F. Miscellaneous Requirements

- 1. The following terms and conditions of this permit are federally enforceable: A, C, D and E.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 1431302438 Emissions Unit ID: T016 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>
T016 - 100,000 gallon fixed roof storage tank with mist eliminator	OAC rule 3745-31-05(A)(3) PTI 14-05627	Emissions of particulate matter (PM) and particulate matter 10 microns and less (PM-10) shall not exceed 0.14 lb/hour. Emissions of volatile organic compounds (VOC) shall not exceed 5.05 lbs/hr. Emissions of carbon monoxide (CO) shall not exceed 0.13 lb/hr and 0.56 ton/yr. Emissions of hydrogen sulfide (H2S) shall not exceed 0.16 lb/hr and 0.70 ton/yr. The hourly and annual, except for PM, PM-10 and VOC, emission limitations outlined above are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly and annual records are required to demonstrate compliance with these limits.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A) and OAC rule 3745-31-05(C). Visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-09(L)(2) 40 CFR Part 60, Subpart Kb	Exempt. Exempt.

OAC rule 3745-31-05(C)

Emissions of particulate matter (PM) and particulate matter less than 10 microns shall not exceed 0.25 ton/yr, based on a rolling, 12-month summation.

Emissions of volatile organic compounds (VOC) shall not exceed 8.85 tons/yr, based on a rolling, 12-month summation.

2. Additional Terms and Conditions

- (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by use of a mist eliminator with a 90% PM control efficiency, and compliance with the opacity limitation and the mass emissions limitations.

B. Operational Restrictions

1. The lower explosive limit (LEL) shall not exceed 23 mg/liter while the emissions unit is in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall monitor the lower explosive limit (LEL) in the vapor space of this emissions unit on a monthly basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall maintain monthly records of the following information:
- the monthly LEL reading;
 - the annual average LEL reading;
 - the PM, PM-10 and VOC emissions in tons; and
 - the updated rolling, 12-month summation emissions total, in tons, for PM, PM-10 and VOC (the total amount of emissions for the current month plus the total amount of emissions for the previous eleven calendar months).

D. Reporting Requirements

- The permittee shall submit LEL quarterly deviation (excursion) reports that identify all periods of time during which the LEL value exceeded the value specified in section B.1.
- The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month emission limitations for PM, PM-10 and VOC.
- The quarterly deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
- The permittee shall submit annual reports which specify the total VOC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year, and shall cover the previous twelve month period (January through December).

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60 ("Standards of Performance for New Stationary Sources"), Appendix A, U.S. EPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

Emission Limitations:

Emissions of particulate matter (PM) and particulate matter 10 microns and less (PM-10) shall not exceed 0.14 lb/hour.

Applicable Compliance Method:

The hourly PM/PM-10 emissions shall be determined by using the following equation:

$$\text{lbs/hr of PM/PM-10} = (A) \times (1-C).$$

where,

A = uncontrolled short-term peak PM/PM-10 emission rate of 1.42 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

C = mist eliminator control efficiency of 90 percent, expressed as a decimal (0.90).

If required, compliance shall be determined using the following method:

For PM, Methods 1-4 and 5A of 40 CFR Part 60, Appendix A.

For PM-10, Methods 1-4 and 201 of 40 CFR Part 51, Appendix M.

Emission Limitations:

Emissions of particulate matter (PM) and particulate matter less than 10 microns shall not exceed 0.25 ton/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

The annual PM/PM-10 emissions shall be determined by using the following equation:

$$\text{tons/yr PM/PM-10} = (B) \times (1-C) \times (D) \times 1 \text{ ton}/2000 \text{ lbs}$$

where,

B = uncontrolled annual PM/PM-10 emission rate of 0.57 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

C = mist eliminator control efficiency of 90 percent, expressed as a decimal (0.90).

D = maximum hours operated annually (8760).

Compliance with the rolling, 12-month emission limitation shall be demonstrated by the recordkeeping required in term C.1.d.

If required, compliance shall be determined using the following method:

For PM, Methods 1-4 and 5A of 40 CFR Part 60, Appendix A.

For PM-10, Methods 1-4 and 201 of 40 CFR Part 51, Appendix M.

Emission Limitation:

Emissions of volatile organic compounds (VOC) shall not exceed 5.05 lbs/hr.

Applicable Compliance Method:

The hourly VOC emissions shall be determined using the following equation:

$$\text{lbs/hr VOC} = (A)$$

where,

A = uncontrolled short-term peak VOC emission rate of 5.05 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

If required, compliance shall be determined using the following method:

Methods 1-4 and 18 or 25 of 40 CFR Part 60, Appendix A.

Emission Limitation:

Emissions of volatile organic compounds (VOC) shall not exceed 8.85 tons/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

The annual VOC emissions shall be determined using the following equation:

$$\text{tons/yr VOC} = (B) \times (C) \times 1 \text{ ton}/2000 \text{ lbs}$$

where,

B = uncontrolled annual VOC emission rate of 2.02 lbs/hr, documented in PTI application 14-05627, received October 4, 2004.

C = maximum hours operated annually (8760).

Compliance with the rolling, 12-month emission limitation shall be demonstrated by the recordkeeping required in term C.1.d.

If required, compliance shall be determined using the following method:

Methods 1-4 and 18 or 25 of 40 CFR Part 60, Appendix A.

Emission Limitations:

Emissions of carbon monoxide (CO) shall not exceed 0.13 lb/hr and 0.56 ton/yr.

Applicable Compliance Method:

The hourly and annual CO emissions shall be determined using the following equations:

$$\text{lbs/hr of CO} = (A)$$

$$\text{tons/yr of CO} = (B) \times (C) \times 1 \text{ ton}/2000 \text{ lbs}$$

where,

A = uncontrolled short-term peak CO emission rate of 0.13 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

B = uncontrolled annual CO emission factor of 0.13 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

C = maximum hours operated annually (8760).

If required, compliance shall be determined using the following method:

Methods 1-4 and 10 or 10B of 40 CFR Part 60, Appendix A.

Emission Limitations:

Emissions of hydrogen sulfide (H₂S) shall not exceed 0.16 lb/hr and 0.70 ton/yr.

Applicable Compliance Method:

The hourly and annual H₂S emissions shall be determined using the following equations:

$$\begin{aligned} \text{lbs/hr of H}_2\text{S} &= (A) \\ \text{tons/yr of CO} &= (B) \times (C) \times 1 \text{ ton}/2000 \text{ lbs} \end{aligned}$$

where,

A = uncontrolled short-term peak H₂S emission rate of 0.16 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

B = uncontrolled annual H₂S emission rate of 0.16 lb/hr, documented in PTI application 14-05627, received October 4, 2004.

C = maximum hours operated annually (8760).

If required, compliance shall be determined using the following method:

Methods 1-4 and 15 of 40 CFR Part 60, Appendix A.

2. Compliance with section B.1 shall be demonstrated by the record keeping in section C.1.
- F. **Miscellaneous Requirements**
1. The following terms and conditions of this permit are federally enforceable: A, C, D and E.