

Facility ID: 0666010033 Issuance type: Title V Final Permit

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 III" and before "I. 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: 0666010033 Issuance type: Title V Final Permit

## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. This facility is subject to the applicable requirements specified in OAC Chapter 3745-25. In accordance with Ohio EPA Engineering Guide #64, the emission control action programs, as specified in OAC rule 3745-25-03, shall be developed and submitted within 60 days after receiving notification from the Ohio EPA.
2. The following insignificant emissions units are located at this facility:

P014 - Hymmen Line Isopress # 1 (PTI 06-2942); and  
R008 - Vacuum Line Finishing System-vaccum coater and oven #2 (PTI 06-2425).

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21.

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### b State Only Enforceable Section

1. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

Z002 - Hymmen Line Isopress # 3;  
Z003 - Hymmen Line Isopress # 4;  
Z005 - Parts Washer (cold)  
Z010 - Hymmen Hot Melt Press;  
Z011 - Harlan Laminating # 1;  
Z012 - Harlan Laminating # 2;  
Z013 - Monco Press;  
Z014 - Styrofoam Cutting  
Z015 - Kiln # 1;  
Z016 - Kiln # 2;  
Z017 - Kiln # 3;  
Z018 - Kiln # 4;  
Z019 - Kiln # 5;  
Z020 - Kiln # 6;  
Z021 - Kiln # 7;  
Z022 - Kiln # 8;  
Z023 - Kiln # 9;  
Z024 - Kiln # 10;  
Z025 - Kiln # 11;  
Z026 - Kiln # 12;  
Z027 - Pre-dryer;  
Z028 - Per-dryer;  
Z029 - Thermal Heater;  
Z030 - Back Up Generators;  
Z031 - Ash Collectors;  
Z032 - Ash Dumpster;  
Z033 - Trailer Parking on Gravel;  
Z034 - Roads (paved);  
Z035 - Parking (asphalt);  
Z036 - Roads (gravel);  
Z037 - Unloading yard (gravel);  
Z038 - Fire Pump;  
Z039 - Grinders;  
Z040 - Dumpsters;

## Z041 - Air Compressors;

Z042 - Dust Collectors (< 4,000 cfm);  
Z043 - Finishing Room Dust Collector;  
Z044 - Diamond Grinding Dust Collector;  
Z045 - Tool Grinding Dust Collector;  
Z046 - Thermal Heater #2;  
Z047 - Thermal Heater #3;  
Z048 - Handspray Booth;  
Z049 - Vinyl Presses;  
Z050 - Veneer Presses;  
Z053 - Bulk Coating Storage Tanks;  
Z054 - Coating Mix station;  
Z055 - Maintenance Area General Exhaust;  
Z056 - General Building Exhaust;  
Z057 - Parts Washer (heated);  
Z058 - Diesel Fuel Tank;  
Z059 - Hymmen Line Isopress #2;  
Z060 - Laminating Press;  
Z061 - Eisenhower Gas Heater #1;  
Z062 - Eisenhower Gas Heater #2;  
Z063 - Eisenhower Gas Heater #3;  
Z064 - Eisenhower Gas Heater #4;  
Z065 - Washington Gas Heater #1;  
Z066 - Washington Gas Heater #2;  
Z067 - Madison Gas Heater #1;  
Z068 - Madison Gas Heater #2;  
Z069 - Madison Gas Heater #3;  
Z070 - Washington Packlines Gas Heater #1;  
Z071 - Washington Packlines Gas Heater #2;  
Z072 - Washington Packlines Gas Heater #3;  
Z073 - Washington Packlines Gas Heater #4;  
Z074 - Lincoln (Haz Mat) Gas Heater #1; and  
Z075 - Building Gas Heater.

2. Emissions unit F036 is included in this Title V permit as an off-permit change and must continue to operate in accordance with the terms and conditions of PTI 06-07373 until this Title V permit has been renewed.
3. Emissions unit F035 is included in this Title V permit as an off-permit change and must continue to operate in accordance with the terms and conditions of PTI 06-07356 until this Title V permit has been renewed.
4. Emissions unit F037 is included in this Title V permit as an off-permit change and must continue to operate in accordance with the terms and conditions of PTI 06-07761 until this Title V permit has been renewed.

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: B001 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
26.8 mmBtu/hr boiler fired with natural gas and/or wood waste and controlled with twin multiclone collectors	OAC rule 3745-31-05(A)(3) (PTI 06-01908 as modified on July 2, 2002)	0.28 pound of particulate emissions per mmBtu of actual heat input
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(C)(2)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall burn only natural gas and/or wood waste as fuel in this emissions unit.
2. The pressure drop across the multiclones shall be maintained within the range of 2 to 6 inches of water while the emissions unit is in operation.

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

1. For each day during which the permittee burns a fuel other than natural gas or wood waste, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the multiclones while the emissions unit is in operation. 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 record the pressure drop across the multiclones on a daily basis.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-01908, issued on July 2, 2002: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or wood waste was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the multiclones did not comply with the allowable range specified above.  
  
The deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Term and Condition A.1.c.ii.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-01908, issued on July 2, 2002: section A.IV.(1-2). The reporting contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
  
20% opacity as a 6-minute average  
  
Applicable Compliance Method:  
  
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
  - b. Emission Limitation:  
  
0.28 pound of particulate emissions per mmBtu of actual heat input  
  
Applicable Compliance Method:  
  
Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).  
  
Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.  
  
A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.  
  
Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-01908, issued on July 2,

2002: section A.V.(1-2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: B001 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: B002 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
26.8 mmBtu/hr boiler fired with natural gas and/or wood waste and controlled with twin multiclone collectors	OAC rule 3745-31-05(A)(3) (PTI 06-2083 as modified on July 2, 2002)	0.28 pound of particulate emissions per mmBtu of actual heat input
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-10(C)(2)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall burn only natural gas and/or wood waste as fuel in this emissions unit.
2. The pressure drop across the multiclones shall be maintained within the range of 2 to 6 inches of water while the emissions unit is in operation.

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

1. For each day during which the permittee burns a fuel other than natural gas or wood waste, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the multiclones while the emissions unit is in operation. 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 record the pressure drop across the multiclones on a daily basis.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-02083, issued on July 2, 2002: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or wood waste was burned in this emissions unit. Each report shall be submitted within 30 days

after the deviation occurs.

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the multiclones did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Term and Condition A.1.c.ii.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-02083, issued on July 2, 2002: section A.IV.(1-2). The reporting contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.

- b. Emission Limitation:

0.28 pound of particulate emissions per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 12 months prior to permit expiration.

- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.

- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-02083, issued on July 2, 2002: section A.V.(1-2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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#### VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: B002 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: B006 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
25 mmBtu/hr thermal fluid heater boiler # 4 (Vortex) fired with natural gas and/or wood waste with twin multiclone collectors	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	4.40 lbs/hr of particulate emissions
		0.176 pound of particulate emissions per mmBtu of actual heat input
		19.27 tpy of particulate emissions
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-10(C)(2)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- (a) None

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**II. Operational Restrictions**

1. The permittee shall burn only natural gas and/or wood waste as fuel in this emissions unit.
2. The pressure drop across the multiclones shall be maintained within the range of 2 to 6 inches of water while the emissions unit is in operation.

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

1. For each day during which the permittee burns a fuel other than natural gas and/or wood waste, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the multiclones while the emissions unit is in operation. 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 record the pressure drop across the multiclones on a daily basis.
3. The permittee shall maintain records of the actual annual operating hours for this emissions unit.
4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.III.(1-3) . The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or wood waste was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of

time during which the pressure drop across the multiclones did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Term and Condition A.1.c.ii.

3. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. The reports shall be submitted by January 31 of each year.
4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting and recordkeeping requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.IV.(1-3) . The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
  - b. Emission Limitations:
 

4.40 lbs/hr of particulate emissions  
0.176 pound of particulate emissions per mmBtu of actual heat input

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - c. Emission Limitation:
 

19.27 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the results of the most recent emission testing, in lbs/hr, by the actual hours of operation during the calendar year, and then dividing by 2000 lbs/ton.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 6 months of the restart of this emissions unit.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.V.(1-3) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: B006 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>		
1. None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0666010033 Emissions Unit ID: F001 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
woodworking equipment vented to Baghouse #1	OAC rule 3745-31-05(A)(3) (PTI 06-4445)	0.005 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under

normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.005 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the

specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F001 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F002 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
woodworking equipment vented to Baghouse #2	OAC rule 3745-31-05(A)(3) (PTI 06-4445)	0.005 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are

observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.005 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.

- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
- 3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: F002 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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**Facility ID: 0666010033 Emissions Unit ID: F003 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
woodworking equipment vented to Baghouse #3	OAC rule 3745-31-05(A)(3) (PTI 06-4445)	0.005 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**IV. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:

0.005 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.

- b. Emission Limitation:
- 20% opacity as a 6-minute average
- Applicable Compliance Method:
- Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
- The emission testing shall be conducted within 12 months prior to permit expiration.
  - The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

- None

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**Facility ID: 0666010033 Emissions Unit ID: F003 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 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>
<b>2. Additional Terms and Conditions</b>		
1. None		

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F004 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
woodworking equipment vented to Baghouse #6	OAC rule 3745-31-05(A)(3) (PTI 06-4445)	0.005 gr/dscf of particulate emissions from the baghouse exhaust

See A.I.2.a below.

The requirements of this rule also include compliance with OAC rule 3745-17-07(A).

OAC rule 3745-17-07(A)

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

OAC rule 3745-17-11(B)

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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### II. Operational Restrictions

1. None

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### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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V. **Testing Requirements**

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.005 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F004 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
<b>2. Additional Terms and Conditions</b>		
1. None		

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F005 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
woodworking equipment vented to Baghouse #5	OAC rule 3745-31-05(A)(3) (PTI 06-4445)	0.005 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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IV. **Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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V. **Testing Requirements**

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.005 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
 

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.V.(1-2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F005 Issuance type: Title V Final Permit

B. **State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>		
1. None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Issuance type: Title V Final Permit

## Part III - Terms and Conditions for Emissions Units

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Facility ID: 0666010033 Emissions Unit ID: F012 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
wood waste storage - Silo # 1 - vented to a baghouse	OAC rule 3745-31-05(A)(3) (PTI 06-3744)	0.03 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:

- a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
- b. the permittee continues to comply with all the record keeping and monitoring requirements specified in

section A.III.1.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-3774, issued on July 28, 1993: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-3774, issued on July 28, 1993: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.03 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance may be determined using AIRS facility emission factors as follows:

$$(EF \times \text{tons wood waste/hour}) \cdot (0.1^*) \cdot (7,000 \text{ gr/lb}) \cdot (\text{hour}/60 \text{ minutes}) \cdot (\text{minute}/\text{max air flow}) = \text{gr/dscf}$$

EF = 1.78 lbs per ton of wood waste  
 3-07-030-01 wood waste storage bin vent 0.58 lb PM10 per ton of wood waste  
 3-07-030-02 wood waste storage bin loadout 1.2 lbs PM10 per ton of wood waste  
 total uncontrolled emissions equal 1.78 lbs per ton of wood waste

\*baghouse operating efficiency 99%

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-3774, issued on July 28, 1993: section A.V.1. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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#### VI. Miscellaneous Requirements

1. None

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Facility ID: 0666010033 Emissions Unit ID: F012 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
<b>2. Additional Terms and Conditions</b>		
1. None		

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: F013 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
wood waste storage - Silo # 2 - vented to a baghouse	OAC rule 3745-31-05(A)(3) (PTI 06-3744)	0.03 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-3774, issued on July 28, 1993: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**IV. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-3774, issued on July 28, 1993: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.03 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance may be determined using AIRS facility emission factors as follows:

$$(EF \times \text{tons wood waste/hour}) \cdot (0.1) \cdot (7,000 \text{ gr/lb}) \cdot (\text{hour}/60 \text{ minutes}) \cdot (\text{minute}/\text{max air flow}) = \text{gr/dscf}$$

EF = 1.78 lbs per ton of wood waste  
 3-07-030-01 wood waste storage bin vent 0.58 lb PM10 per ton of wood waste  
 3-07-030-02 wood waste storage bin loadout 1.2 lbs PM10 per ton of wood waste  
 total uncontrolled emissions equal 1.78 lbs per ton of wood waste

\*baghouse operating efficiency 99%

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-3774, issued on July 28, 1993: section A.V.1. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 0666010033 Emissions Unit ID: F013 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
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**2. Additional Terms and Conditions**

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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**Facility ID: 0666010033 Issuance type: Title V Final Permit**

**Part III - Terms and Conditions for Emissions Units**

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**Facility ID: 0666010033 Emissions Unit ID: F015 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
woodworking equipment vented to Baghouse #7	OAC rule 3745-31-05(A)(3) (PTI 06-4445)	0.005 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. **Operational Restrictions**

- 1. None

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

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- 2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
- 3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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IV. **Reporting Requirements**

- 1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.IV.1 . The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.005 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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#### VI. Miscellaneous Requirements

1. None

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Facility ID: 0666010033 Emissions Unit ID: F015 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
<b>2. Additional Terms and Conditions</b>			
1.	None		

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Issuance type: Title V Final Permit

**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: F016 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
woodworking equipment vented to Baghouse #4	OAC rule 3745-31-05(A)(3) (PTI 06-4445)	0.005 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:

- a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
- b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping

requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.005 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written

report, where warranted, with prior approval from the Ohio EPA Southeast District Office.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4445, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 0666010033 Emissions Unit ID: F016 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
<b>2. Additional Terms and Conditions</b>			
1.	None		

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: F017 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
woodworking equipment vented to Baghouse #11	OAC rule 3745-31-05(A)(3) (PTI 06-4265)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

- 1. None

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

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no

- corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
    - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
    - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
  3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**IV. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail

the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F017 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>		
1. None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0666010033 Emissions Unit ID: F018 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
woodworking equipment vented to Baghouse #12	OAC rule 3745-31-05(A)(3) (PTI 06-4265)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. **Operational Restrictions**

- 1. None

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

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather

conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F018 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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**Part III - Terms and Conditions for Emissions Units**

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**Facility ID: 0666010033 Emissions Unit ID: F019 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
woodworking equipment vented to Baghouse #13	OAC rule 3745-31-05(A)(3) (PTI 06-4265)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**IV. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.

- b. Emission Limitation:
- 20% opacity as a 6-minute average
- Applicable Compliance Method:
- Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
- The emission testing shall be conducted within 12 months prior to permit expiration.
  - The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4265, issued on December 28, 2000: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

- None

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**Facility ID: 0666010033 Emissions Unit ID: F019 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 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> |
|---|--------------------------------------|--|
|---|--------------------------------------|--|
2. **Additional Terms and Conditions**
1. None

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Issuance type: Title V Final Permit

**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: F020 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
woodworking equipment vented to Baghouse #8	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  10.82 tons of particulate emissions per year  See A.I.2.a below.

OAC rule 3745-17-07(A)

Compliance with this rule also includes compliance with OAC rule 3745-17-07(A).

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

OAC rule 3745-17-11(B)

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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### II. Operational Restrictions

1. None

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### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or

more stringent than the reporting requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.IV.(1-2) . The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

10.82 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$\text{TER} * 72,000 \text{ acfm} * 60 \text{ min/hr} * 1/7000 \text{ gr/lb} * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$$

where:

$$\text{TER} = \text{tested emission rate per section A.V.2.}$$
  - c. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
 

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more

stringent than the testing requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: F020 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0666010033 Emissions Unit ID: F021 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
woodworking equipment vented to Baghouse # 9	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  10.82 tons of particulate emissions per year  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify

the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.IV.(1-2) . The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

10.82 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$\text{TER} * 72,000 \text{ acfm} * 60 \text{ min/hr} * 1/7000 \text{ gr/lb} * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$$

where:

TER = tested emission rate per section A.V.2.
  - c. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if

required.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.  
  
A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F021 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: F022 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
woodworking equipment vented to Baghouse # 10	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  10.82 tons of particulate emissions per year  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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### II. Operational Restrictions

1. None

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### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.IV.(1-2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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V. **Testing Requirements**

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

10.82 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$\text{TER} * 72,000 \text{ acfm} * 60 \text{ min/hr} * 1/7000 \text{ gr/lb} * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$$

where:

$$\text{TER} = \text{tested emission rate per section A.V.2.}$$
  - c. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
 

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F022 Issuance type: Title V Final Permit

#### B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

#### I. 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>
2.	<b>Additional Terms and Conditions</b>		
1.	None		

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#### II. Operational Restrictions

1. None

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#### III. Monitoring and/or Record Keeping Requirements

1. None

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#### IV. Reporting Requirements

1. None

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#### V. Testing Requirements

1. None

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#### VI. Miscellaneous Requirements

1. None

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Facility ID: 0666010033 Issuance type: Title V Final Permit

#### Part III - Terms and Conditions for Emissions Units

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Facility ID: 0666010033 Emissions Unit ID: F023 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
wood waste storage - Silo #3 - vented to a baghouse	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.030 gr/dscf of particulate emissions from the baghouse exhaust  11 tons per year of particulate emissions  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:

- a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
- b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.

3. The permittee shall maintain the following records for this emissions unit:
  - a. the actual annual operating hours;
  - b. the total actual annual amount of wood waste processed, in lbs and tons; and
  - c. the average amount of wood waste processed per hour, in lbs/hr (average).
4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.III.(1-3). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.IV.(1-2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following method:
 

(Emission limitations 0.030 gr/dscf and 11 tpy are determined independently)

  - a. Emission Limitation:
 

0.030 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:  
Compliance may be determined using AIRS facility emission factors as follows:

$$(EF \times \text{tons wood waste/hour}) \cdot (.001) \cdot (7,000 \text{ gr/lb}) \cdot (\text{hour}/60 \text{ minutes}) \cdot (\text{minute}/\text{max air flow}) = \text{gr/dscf}$$

EF = 1.78 lbs per ton of wood waste  
3-07-030-01 wood waste storage bin vent 0.58 lb PM10 per ton of wood waste  
3-07-030-02 wood waste storage bin loadout 1.2 lbs PM10 per ton of wood waste  
total uncontrolled emissions equal 1.78 lbs per ton of wood waste

\*baghouse design efficiency 99.9%

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
  - c. Emission Limitation:
 

11 tons per year of particulate emissions

Applicable Compliance Method:

Compliance shall be determined using AIRS facility emission factors as follows:

$(EF \times \text{tons wood waste/hour}) \times (.001 \times (\text{hr/year})) \times (0.0005 \text{ ton/lb}) = \text{tons per year}$

EF = 1.78 lbs per ton of wood waste  
 3-07-030-01 wood waste storage bin vent 0.58 lb PM10 per ton of wood waste  
 3-07-030-02 wood waste storage bin loadout 1.2 lbs PM10 per ton of wood waste  
 total uncontrolled emissions equal 1.78 lbs per ton of wood waste

\*baghouse design efficiency 99.9%

4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.V.(1-3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F023 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: F024 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
wood waste storage - Silo # 4 - vented to a baghouse	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.008 gr/dscf of particulate emissions from the baghouse exhaust  0.04 ton per year of particulate emissions  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The

presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. The permittee shall maintain the following records for this emissions unit:
  - a. the actual annual operating hours;
  - b. the total actual annual amount of wood waste processed, in lbs and tons; and
  - c. the average amount of wood waste processed per hour, in lbs/hr (average).
4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.III.(1-3). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.IV.(1-2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
 

(Emission limitations 0.008 gr/dscf and 0.04 tpy are determined independently)

  - a. Emission Limitation:
 

0.008 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:  
Compliance may be determined using AIRS facility emission factors as follows:

$$(EF \times \text{tons wood waste/hour}) \cdot (.001 \cdot) \cdot (7,000 \text{ gr/lb}) \cdot (\text{hour}/60 \text{ minutes}) \cdot (\text{minute}/\text{max air flow}) = \text{gr/dscf}$$

EF = 1.78 lbs per ton of wood waste  
 3-07-030-01 wood waste storage bin vent 0.58 lb PM10 per ton of wood waste  
 3-07-030-02 wood waste storage bin loadout 1.2 lbs PM10 per ton of wood waste  
 total uncontrolled emissions equal 1.78 lbs per ton of wood waste

\*baghouse design efficiency 99.9%

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

b. Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.

c. Emission Limitation:

0.04 tons per year of particulate emissions

Applicable Compliance Method:

Compliance shall be determined using AIRS facility emission factors as follows:

$(EF \times \text{tons wood waste/hour}) \times (.001 \times (\text{hr/year})) \times (0.0005 \text{ ton/lb}) = \text{tons per year}$

EF = 1.78 lbs per ton of wood waste  
 3-07-030-01 wood waste storage bin vent 0.58 lb PM10 per ton of wood waste  
 3-07-030-02 wood waste storage bin loadout 1.2 lbs PM10 per ton of wood waste  
 total uncontrolled emissions equal 1.78 lbs per ton of wood waste

\*baghouse design efficiency 99.9%

4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4093, issued on December 21, 1994: section A.V.(1-3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F024 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. Additional Terms and Conditions		

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: F025 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
woodworking equipment vented to Baghouse #14	OAC rule 3745-31-05(A)(3) (PTI 06-4761)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  See A.I.2.a below.
	OAC rule 3745-17-07(A)	The requirements of this rule also include compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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### II. Operational Restrictions

1. None

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### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4761, issued on June 26, 1996: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4761, issued on June 26, 1996: section A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.  
None

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### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.

- b. Emission Limitation:
- 20% opacity as a 6-minute average
- Applicable Compliance Method:
- Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 12 months prior to permit expiration.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4761, issued on June 22, 1996: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 0666010033 Emissions Unit ID: F025 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
<b>2. Additional Terms and Conditions</b>		
1. None		

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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**VI. Miscellaneous Requirements**

1. None

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**Part III - Terms and Conditions for Emissions Units**

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**Facility ID: 0666010033 Emissions Unit ID: F026 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
woodworking equipment vented to Baghouse	OAC rule 3745-31-05(A)(3)	0.004 gr/dscf of particulate emissions from the

# 15	(PTI 06-4808)	baghouse exhaust
		10.82 tons of particulate emissions per year
		See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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### II. Operational Restrictions

1. None

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### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.IV.(1-2) . The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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V. **Testing Requirements**

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

10.82 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$\text{TER} * 72,000 \text{ acfm} * 60 \text{ min/hr} * 1/7000 \text{ gr/lb} * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$$

where:

TER = tested emission rate per section A.V.2.
  - c. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.

3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.V.(1-2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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**VI. Miscellaneous Requirements**

1. None

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**Facility ID: 0666010033 Emissions Unit ID: F026 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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**V. Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F027 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
woodworking equipment vented to Baghouse # 16	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  10.82 tons of particulate emissions per year  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and

- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.IV.(1-2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

10.82 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$\text{TER} * 72,000 \text{ acfm} * 60 \text{ min/hr} * 1/7000 \text{ gr/lb} * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$$

where:

TER = tested emission rate per section A.V.2.

- c. Emission Limitation:
- 20% opacity as a 6-minute average
- Applicable Compliance Method:
- Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted within 12 months prior to permit expiration.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F027 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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> |
|----|---|--------------------------------------|--|
| 2. | <b>Additional Terms and Conditions</b>        |                                      |  |
| 1. | None  |                                      |  |

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0666010033 Emissions Unit ID: F028 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
woodworking equipment vented to Baghouse # 17	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  10.82 tons of particulate emissions per year  See A.I.2.a below.  Compliance with this rule also includes compliance with OAC rule 3745-17-07(A).

OAC rule 3745-17-07(A)

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

OAC rule 3745-17-11(B)

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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### II. Operational Restrictions

1. None

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### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.IV.(1-2). The reporting requirements contained in the above-referenced

Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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V. **Testing Requirements**

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

10.82 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$\text{TER} * 72,000 \text{ acfm} * 60 \text{ min/hr} * 1/7000 \text{ gr/lb} * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$$

where:

TER = tested emission rate per section A.V.2.
  - c. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.V.(1-2). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these

requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: F028 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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**Facility ID: 0666010033 Emissions Unit ID: F029 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
woodworking equipment vented to Baghouse # 18	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.004 gr/dscf of particulate emissions from the baghouse exhaust  8.41 tons of particulate emissions per year  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

- 1. None

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

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.IV.(1-2) . The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.004 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

8.41 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$\text{TER} * 56,000 \text{ acfm} * 60 \text{ min/hr} * 1/7000 \text{ gr/lb} * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$$

where:

TER = tested emission rate per section A.V.2.
  - c. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative

emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 12 months prior to permit expiration.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.

- 3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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**VI. Miscellaneous Requirements**

- 1. None

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**Facility ID: 0666010033 Emissions Unit ID: F029 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
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**2. Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: F030 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
woodworking equipment vented to Baghouse # 7A	OAC rule 3745-31-05(A)(3) (PTI 06-4093)	0.008 gr/dscf of particulate emissions from the baghouse exhaust  3.16 tons of particulate emissions per year  See A.1.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of

ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**IV. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.IV.(1-2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.008 gr/dscf of particulate emissions in the exhaust gases

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

3.16 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$$\text{TER} * 10,520 \text{ acfm} * 60 \text{ min/hr} * 1/7000 \text{ gr/lb} * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$$

where:

TER = tested emission rate per section A.V.2.
  - c. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for particulates.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while this emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
  - e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s). Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.V.(1-2) . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F030 Issuance type: Title V Final Permit

#### B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

#### I. 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>
2. Additional Terms and Conditions			
1. None			

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#### II. Operational Restrictions

1. None

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#### III. Monitoring and/or Record Keeping Requirements

1. None

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#### IV. Reporting Requirements

1. None

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#### V. Testing Requirements

1. None

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#### VI. Miscellaneous Requirements

1. None

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Facility ID: 0666010033 Emissions Unit ID: F031 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
wood waste storage - Silo # 5 - vented to a baghouse	OAC rule 3745-31-05(A)(3) (PTI 06-4808)	0.03 gr/dscf of particulate emissions from the baghouse exhaust  11.04 tons per year of particulate emissions  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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**II. Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.

3. The permittee shall maintain the following records for this emissions unit:
  - a. the actual annual operating hours;
  - b. the total actual annual amount of wood waste processed, in lbs and tons; and
  - c. the average amount of wood waste processed per hour, in lbs/hr (average).
4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.III.(1-3). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.IV.(1-2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.1.1 of these terms and conditions shall be determined in accordance with the following method:  
(Emission limitations 0.03 gr/dscf and 11.04 tpy are determined independently)
  - a. Emission Limitation:  
0.03 gr/dscf of particulate emissions in the exhaust gases  
  
Applicable Compliance Method:  
Compliance may be determined using AIRS facility emission factors as follows:  
  
$$(EF \times \text{tons wood waste/hour}) \cdot (.001) \cdot (7,000 \text{ gr/lb}) \cdot (\text{hour}/60 \text{ minutes}) \cdot (\text{minute}/\text{max air flow}) = \text{gr/dscf}$$
  
  
EF = 1.78 lbs per ton of wood waste  
3-07-030-01 wood waste storage bin vent 0.58 lb PM10 per ton of wood waste  
3-07-030-02 wood waste storage bin loadout 1.2 lbs PM10 per ton of wood waste  
total uncontrolled emissions equal 1.78 lbs per ton of wood waste  
  
\*baghouse design efficiency 99.9%  
  
If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
  - b. Emission Limitation:  
20% opacity as a 6-minute average  
  
Applicable Compliance Method:  
  
Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if required.
  - c. Emission Limitation:  
11.04 tons per year of particulate emissions

Applicable Compliance Method:

Compliance shall be determined using AIRS facility emission factors as follows:

(EF X tons wood waste/hour)(.001\*)(hr/year)(0.0005 ton/lb) = tons per year

EF = 1.78 lbs per ton of wood waste  
 3-07-030-01 wood waste storage bin vent 0.58 lb PM10 per ton of wood waste  
 3-07-030-02 wood waste storage bin loadout 1.2 lbs PM10 per ton of wood waste  
 total uncontrolled emissions equal 1.78 lbs per ton of wood waste

\*baghouse design efficiency 99.9%

4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-4808, issued on September 18, 1996: section A.V.(1-3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F031 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F033 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
woodworking equipment vented to Baghouse #19	OAC rule 3745-31-05(A)(3) (PTI 06-5871)	0.41 lb/hr of particulate emissions from the baghouse exhaust  1.8 tons of particulate emissions per year  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rule 3745-17-07(A). Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. **Additional Terms and Conditions**

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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II. **Operational Restrictions**

1. None

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

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are

observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

2. Notwithstanding the frequency of reporting requirements specified in section A.IV, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions; and
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-5871, issued on November 12, 1999: section A.III.(1-2). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.
3. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-5871, issued on November 24, 1999: section A.IV.(1-2). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

0.41lb/hr of particulate emissions in the exhaust gases

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon the procedures specified in test Methods 1 through 5 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996.
  - b. Emission Limitation:
 

20% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1), if

required.

b. Emission Limitation:

1.8 tpy of particulate emissions

Applicable Compliance Method:

Compliance shall be determined by using the following equation:

$TER * 8,760 \text{ hours of operation per year} * 0.0005 \text{ ton/lb} = \text{tpy}$

where:

TER = tested emission rate per April 18, 2002 performance test, or most recent test required by section V.1.a.

2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-5871, issued on November 24, 1999: section A.V.1 . The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: F033 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

1. None

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

1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0666010033 Emissions Unit ID: F034 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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>
woodworking equipment vented to Baghouse # 20	OAC rule 3745-31-05(A)(3) (PTI 06-07761)	The baghouse shall achieve an outlet emission rate of not greater than 0.004 grain of particulate emissions (PE) per dry standard cubic foot of exhaust gases.  Visible particulate emissions from the baghouse stack shall not exceed 5% opacity as a 3-minute average.  See A.I.2.a below.
	OAC rule 3745-17-07(A)	Compliance with this rule also includes compliance with OAC rules 3745-17-07(A) and 3745-17-11(B) 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 3745-17-11(B)	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 3745-31-05(C) (PTI 06-07761)	PE emissions from the baghouse stack shall not exceed 7.69 tons/yr as a rolling, 12-month summation.

2. Additional Terms and Conditions

- a. The permittee shall employ best available control measures for the emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to maintain enclosures and vent all the particulate emissions to a baghouse to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- b. For purposes of the requirements associated with PTI 06-07761, PE shall be both particulate matter and particulate matter less than 10 microns.

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## II. Operational Restrictions

1. The permittee shall operate the baghouse at all times when this emissions unit is in operation.
  - a. The maximum number of operating hours for emissions unit F034 shall not exceed 6,230 hours as a rolling, 12-month summation. To ensure enforceability during the first 12 calendar months of operation following the issuance of PTI 06-07761, the permittee shall not exceed the operating hours specified in the following table:

1.	Maximum Cumulative Month(s) Operating Hours
	1-1 744
	1-2 1,488
	1-3 2,232
	1-4 2,976
	1-5 3,720
	1-6 4,464
	1-7 5,208
	1-8 5,952
	1-9 6,230
	1-10 6,230
	1-11 6,230
	1-12 6,230

After the first 12 calendar months of operation following the startup of emissions unit F034, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

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## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.
2. Notwithstanding the frequency of reporting requirements specified in section A.IV.1, the permittee may reduce the frequency of visual observations for this emissions unit from daily to weekly readings if the following conditions are met:
  - a. for 1 full quarter the facility's visual observations indicate no abnormal visible emissions;
  - b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1; and
  - c. if abnormal visible emissions are observed, daily observations shall resume until 1 full quarter of the facility's visual observations indicate no abnormal visible emissions.
3. The permittee shall maintain monthly records of the following information:
  - a. the hours of operation for F034 for each month;
  - b. during the first 12 calendar months of operation following the issuance of PTI 06-07761, the cumulative hours of operation, calculated by adding the current month's operating hours to the operating hours for each calendar month since the issuance of PTI 06-07761; and
  - c. beginning after the first 12 calendar months of operation following the issuance of PTI 06-07761, the rolling, 12-month summation of the hours of operation, calculated by adding the current month's operating hours to the operating hours for the preceding eleven calendar months.

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## IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Ohio EPA Southeast District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
  - a. for the first 12 calendar months of operation following the issuance of PTI 06-07761, all exceedances of the maximum allowable cumulative hours of operation; and
  - b. any exceedance of the rolling, 12-month hours of operation limitation.

These deviation (excursion) reports shall be submitted in accordance with the requirements specified in Part 1 - General Term and Condition A.1.c of this permit.

3. The permittee shall also submit annual reports that specify the total particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall include the calculations of the particulate emissions. This reporting requirement may be satisfied by including and identifying the specific emission data and calculations for this emissions unit in the annual Fee Emission Report to be submitted by April 15 of each year.

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#### V. Testing Requirements

1. Compliance with the emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

The fabric filter shall achieve an outlet emission rate of not greater than 0.004 grain of particulate emissions (PE) per dry standard cubic foot of exhaust gases.

Applicable Compliance Method:

Compliance shall be determined through emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

PE emissions from the baghouse stack shall not exceed 7.69 tons/yr as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the tons/yr emission limitations shall be demonstrated by the following calculation based on the short term allowable emission rate of 0.004 grain of particulate emissions per dry standard cubic foot of exhaust gases.

$$0.004 \text{ gr/dscf} \times 72,000 \text{ dscfm} \times 60 \text{ minutes/hr} \times 1 \text{ lb/7000 gr} \times 6,230 \text{ hrs/yr} \times 0.0005 \text{ ton/lb} = 7.69 \text{ tons/yr.}$$
  - c. Emission Limitation:
 

Visible particulate emissions from the baghouse stack shall not exceed 5% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the visible particulate emission observations specified in Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit or a representative emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 12 months prior to permit expiration. (Note: This testing requirement may be satisfied by testing baghouse #20 within 180 days of initial startup pursuant to PTI 06-07761.)
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for PE.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Methods 1 through 5 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.
  - d. The test(s) shall be conducted while the emissions unit or the representative emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Southeast District Office.
 

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA Southeast District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date (s) of the test(s), and the person(s) who will be conducting the test(s). The notification shall also indicate the specific emissions unit(s) which is (are) being tested to meet the requirements of A.V.2.b. Accompanying the notification shall be documentation which outlines why the selected emissions unit(s) is (are) representative for the purpose of testing the particulate emissions from the wood waste handling operations. Failure to submit such notification for review and approval prior to the test(s) may result in the

Ohio EPA Southeast District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA Southeast District Office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Southeast District Office within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Southeast District Office.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: F034 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 0666010033 Emissions Unit ID: K001 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
flatline finishing system (system includes 3 spray booths, 1 drying oven, and 2 curing ovens) controlled by a regenerative thermal oxidizer (RTO)	OAC rule 3745-21-07(G)(1)	The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(6)(a)	See A.I.2.a below. The emission reduction requirement specified in this rule (90% or more of the carbon in the organic material being incinerated) is less stringent to the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(2)	See A.I.2.a below. The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 06-06474)	See A.I.2.a below. Volatile organic compound (VOC) emissions shall not exceed 40.94 lbs/hr and 74.08 tons/yr.  Particulate emissions shall not exceed 2.41 tons/yr.
	OAC rule 3745-31-05(D) (PTI 06-06474)	See A.I.2.a below. Compliance with this rule also includes compliance with OAC rules 3745-17-07(A) and 3745-17-11(B). See A.I.2.b below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B) (Table 1)	Particulate emissions shall not exceed 0.551 lb/hr.

**2. Additional Terms and Conditions**

- a. The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs,

combined.

These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.

- c. The VOC emissions from emissions units K001, R001, R002, R003, R004, R011, and R013 are all vented to the same RTO.

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#### II. Operational Restrictions

1. The average combustion temperature within the RTO, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
2. The permittee shall operate the spray booth dry filtration system(s) whenever this emissions unit is in operation.

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#### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the RTO when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance;
  - b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation; and
  - c. all time periods when the spray booth dry filtration system(s) was (were) not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information each day for this emissions unit:
    - a. the company identification for each coating, thinner, and cleanup material employed;
    - b. the number of gallons of each coating, thinner, and cleanup material employed;
    - c. the VOC content of each coating, thinner, and cleanup material, in pounds per gallon, excluding water;
    - d. the total uncontrolled VOC emission rate in pounds (the sum of (b)x(c) for all coatings, thinners, and cleanup materials employed);
    - e. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in pounds (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance);
    - f. the hours of operation of the emissions unit; and
    - g. the calculated average hourly emission rate, in pounds per hour, calculated by dividing the controlled emission rate by the actual hours of operation of the emissions unit ((e)/(f)).
  3. The permittee shall collect and record the following information each month for this emissions unit:
    - a. the total number of gallons of each coating, thinner, and cleanup material employed;
    - b. the individual HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
    - c. the total uncontrolled emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
    - d. the total controlled emission rate for each individual HAP, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance);
    - e. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
    - f. the total uncontrolled emission rate for all HAPs combined, in tons (the sum of (a)x(e)x(0.0005 ton/lb));
    - g. the total controlled emission rate for all HAPs combined, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance); and
    - h. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in tons (i.e., the

sum of the daily values from section A.III.2.e, divided by 2000 lbs/ton).

4. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
  - a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
  - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);
  - c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
  - a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
  - b. any exceedances of the hourly VOC emission limitation.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.
2. The permittee shall submit quarterly summaries that include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
 

The quarterly summaries shall be submitted, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.
3. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the spray booth dry filtration system(s) was (were) not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
4. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.I.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
5. The permittee shall also submit annual reports that specify the total VOC and particulate emissions from this emissions unit for the previous calendar year. The reports shall be submitted by January 31 of each year.
6. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.IV.(1-5). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitation:
- VOC emissions shall not exceed 40.94 lbs/hr.
- Applicable Compliance Method:
- Compliance may be based upon the records required pursuant to section A.III.2.
- Compliance shall also be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
- c. Emission Limitation:
- VOC emissions shall not exceed 74.08 tons/yr
- Applicable Compliance Method:
- Compliance shall be based upon the records required pursuant to section A.III.3.
- d. Emission Limitations:
- The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- Applicable Compliance Method:
- Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
- e. Emission Limitations:
- The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.
- Applicable Compliance Method:
- Compliance shall be based upon the records required pursuant to sections A.III.3 and A.III.4.
- f. Emission Limitation:
- Particulate emissions shall not exceed 0.551 lb/hr.
- Applicable Compliance Method:
- To determine the actual worst case particulate emission rate, the following equation may be used:
- $$E = \text{maximum coating solids usage rate (in pounds per hour)} * (1-TE) * (1-CE)$$
- E = particulate emission rate (lb/hr)
- TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used.
- CE = control efficiency of the control equipment (i.e., booth filters)
- If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).
- g. Emission Limitation:
- Particulate emissions shall not exceed 2.41 tons/yr.
- Applicable Compliance Method:
- This emission limitation was established by multiplying the hourly particulate emission limitation by 8760 and dividing by 2000 lbs/ton. Compliance with this emission limitation will be demonstrated provided that the permittee complies with the hourly particulate emission limitation.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.
  - The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC and the overall (capture and control efficiencies) control efficiency limitation for VOC.
  - The test(s) shall be conducted while emissions units K001, R001, R002, R003, R004, R011, and R013 are operating at or near their maximum capacities, unless otherwise specified or approved by the

appropriate Ohio EPA District Office or local air agency.

d. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for VOC: 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A, as appropriate.

e. The test methods which must be employed to demonstrate compliance with the overall (capture and control efficiencies) control efficiency limitation for VOC are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

f. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10(C). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

3. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings, thinners, and cleanup materials.

Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.

4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.V.(1-3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 0666010033 Emissions Unit ID: K001 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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> |
|---|---|--------------------------------------|--|
| 2. <b>Additional Terms and Conditions</b> |   |                                      |  |
| 1. None                                   |   |                                      |  |

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: K002 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
vinyl laminating line - Line #1	OAC rule 3745-31-05(A)(3) (PTI 06-06680)	<p>Volatile organic compound (VOC) emissions from emissions units K002, and K003, combined, shall not exceed 239.67 lbs/day and 14.40 tons/yr.</p> <p>The VOC contents of the coatings shall not exceed 0.18 lb (1.5 lbs for testing purposes) of VOC per gallon of coating, excluding water and exempt solvents.</p>

OAC rule 3745-21-09(H) See A.II.1 below.  
 OAC rule 3745-31-05(D) See A.I.2.a below.  
 (PTI 06-06474) See A.I.2.b below.

2. **Additional Terms and Conditions**

- a. The VOC content limitation required by OAC rule 3745-21-09(H) is less stringent than the VOC content limitation established pursuant to OAC rule 3745-31-05(A)(3).
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.

These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.

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II. **Operational Restrictions**

1. The total combined coating usage for emissions units K002 and K003 in any rolling, 12-month period, shall not exceed 146,677 gallons for coatings with a VOC content of less than 0.18 pound per gallon, and 1,590 gallons for coatings with a VOC content of greater than 0.18 pound per gallon, but less than or equal to 1.5 pounds per gallon.

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

1. The permittee shall collect and record the following information each day for emissions units K002 and K003:
  - a. the name and identification number of each coating, as applied;
  - b. the VOC content of each coating (excluding water and exempt solvents), as applied;
  - c. the number of gallons of each coating employed;
  - d. the total VOC emission rate from all coatings employed, in pounds;
  - e. the name and identification of each cleanup material employed;
  - f. the VOC content of each cleanup material, in pounds per gallon;
  - g. the number of gallons of each cleanup material employed;
  - h. the total VOC emissions from all cleanup materials employed, in pounds; and
  - i. the total VOC emissions from all coatings and cleanup materials, in pounds.
2. The permittee shall collect and record the following information each month for this emissions unit:
  - a. the total number of gallons of each coating and cleanup material employed;
  - b. the individual HAP content of each coating and cleanup material, in pounds per gallon;
  - c. the total emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
  - d. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon; and
  - e. the total emission rate for all HAPs combined, in tons (the sum of (a)x(d)x(0.0005 ton/lb)).
3. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
  - a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
  - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);
  - c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
4. The permittee shall collect and record the following information each month for emissions units K002 and K003:
  - a. the number of gallons of coatings employed with a VOC content of less than 0.18 pound per gallon, excluding water and exempt solvents, as applied;

- b. the number of gallons of coatings employed with a VOC content of greater than 0.18 pound per gallon but less than or equal to 1.5 pounds per gallon, excluding water and exempt solvents, as applied;
  - c. the rolling, 12-month summation of the coating usage for coatings employed with a VOC content of less than 0.18 pound per gallon, excluding water and exempt solvents, as applied (i.e., the usage for the current month added to the usage for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the coating usage for coatings employed with a VOC content of greater than 0.18 pound per gallon but less than or equal to 1.5 pounds per gallon, excluding water and exempt solvents, as applied (i.e., the usage for the current month added to the usage for the previous 11 calendar months).
5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06680, issued on April 23, 2002: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.I.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
3. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which the daily VOC emission rate exceeded 239.67 lbs/day, and the actual daily VOC emission rate for each such day.
4. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing coating usage in excess of the rolling, 12-month period restrictions specified in section A.II.1. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.ii.
6. The permittee shall also submit annual reports that 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.
7. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-06680, issued on April 23, 2002: section A.IV.(1-6). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations and operational restrictions in sections A.I.1, A.I.2, and A.II.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:

VOC emissions shall not exceed 0.18 lb (1.5 lbs for testing purposes) of VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

OAC rule 3745-21-10(B). Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the coatings.
  - b. Emission Limitation:

VOC emissions from emissions units K002 and K003, combined, shall not exceed 239.67 lbs/day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.

- c. Emission Limitation:
    - VOC emissions from emissions units K002 and K003, combined, shall not exceed 14.40 tons/yr.
    - Applicable Compliance Method:
      - Compliance shall be determined based upon the record keeping requirements specified in section A.III.1 and the following calculation:
      - VOC, in tons/yr = summation of A.III.1.i for each day during the calendar year / 2000 lbs/ton.
  
  - d. Emission Limitations:
    - The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.
    - Applicable Compliance Method:
      - Compliance shall be based upon the records required pursuant to sections A.III.2 and A.III.3.
      - Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.
  
  - e. Operational Restrictions:
    - The total combined coating usage for emissions units K002 and K003 in any rolling, 12-month period, shall not exceed 146,677 gallons for coatings with a VOC content of less than 0.18 pound per gallon, and 1,590 gallons for coatings with a VOC content of greater than 0.18 pound per gallon, but less than or equal to 1.5 pounds per gallon.
    - Applicable Compliance Method:
      - Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.4.
2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06680, issued on April 23, 2002: section A.V.1. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

- 1. None

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**Facility ID: 0666010033 Emissions Unit ID: K002 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
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2. **Additional Terms and Conditions**

- 1. None

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: K003 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
vinyl laminating line - Line #2	OAC rule 3745-31-05(A)(3) (PTI 06-06680)	<p>Volatile organic compound (VOC) emissions from emissions units K002, and K003, combined, shall not exceed 239.67 lbs/day and 14.40 tons/yr.</p> <p>The VOC contents of the coatings shall not exceed 0.18 lb (1.5 lbs for testing purposes) of VOC per gallon of coating, excluding water and exempt solvents.</p>
	OAC rule 3745-21-09(H) OAC rule 3745-31-05(D) (PTI 06-06474)	<p>See A.II.1 below. See A.I.2.a below. See A.I.2.b below.</p>

- 2. **Additional Terms and Conditions**

- a. The VOC content limitation required by OAC rule 3745-21-09(H) is less stringent than the VOC content limitation established pursuant to OAC rule 3745-31-05(A)(3).
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.

These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.

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**II. Operational Restrictions**

1. The total combined coating usage for emissions units K002 and K003 in any rolling, 12-month period, shall not exceed 146,677 gallons for coatings with a VOC content of less than 0.18 pound per gallon, and 1,590 gallons for coatings with a VOC content of greater than 0.18 pound per gallon, but less than or equal to 1.5 pounds per gallon.

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

1. The permittee shall collect and record the following information each day for emissions units K002 and K003:
  - a. the name and identification number of each coating, as applied;
  - b. the VOC content of each coating (excluding water and exempt solvents), as applied;
  - c. the number of gallons of each coating employed;
  - d. the total VOC emission rate from all coatings employed, in pounds;
  - e. the name and identification of each cleanup material employed;
  - f. the VOC content of each cleanup material, in pounds per gallon;
  - g. the number of gallons of each cleanup material employed;
  - h. the total VOC emissions from all cleanup materials employed, in pounds; and
  - i. the total VOC emissions from all coatings and cleanup materials, in pounds.
2. The permittee shall collect and record the following information each month for this emissions unit:
  - a. the total number of gallons of each coating and cleanup material employed;
  - b. the individual HAP content of each coating and cleanup material, in pounds per gallon;
  - c. the total emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
  - d. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon; and
  - e. the total emission rate for all HAPs combined, in tons (the sum of (a)x(d)x(0.0005 ton/lb)).
3. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
  - a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
  - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);
  - c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
4. The permittee shall collect and record the following information each month for emissions units K002 and K003:
  - a. the number of gallons of coatings employed with a VOC content of less than 0.18 pound per gallon, excluding water and exempt solvents, as applied;
  - b. the number of gallons of coatings employed with a VOC content of greater than 0.18 pound per gallon but less than or equal to 1.5 pounds per gallon, excluding water and exempt solvents, as applied;
  - c. the rolling, 12-month summation of the coating usage for coatings employed with a VOC content of less than 0.18 pound per gallon, excluding water and exempt solvents, as applied (i.e., the usage for the current month added to the usage for the previous 11 calendar months); and

- d. the rolling, 12-month summation of the coating usage for coatings employed with a VOC content of greater than 0.18 pound per gallon but less than or equal to 1.5 pounds per gallon, excluding water and exempt solvents, as applied (i.e., the usage for the current month added to the usage for the previous 11 calendar months).
5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06680, issued on April 23, 2002: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying coatings (i.e., for VOC content). The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days following the end of the calendar month.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.I.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
3. The permittee shall submit quarterly deviation (excursion) reports that identify each day during which the daily VOC emission rate exceeded 239.67 lbs/day, and the actual daily VOC emission rate for each such day.
4. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing coating usage in excess of the rolling, 12-month period restrictions specified in section A.II.1. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
5. The quarterly deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c.ii.
6. The permittee shall also submit annual reports that 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.
7. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-06680, issued on April 23, 2002: section A.IV.(1-6). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations and operational restrictions in sections A.I.1, A.I.2, and A.II.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

VOC emissions shall not exceed 0.18 lb (1.5 lbs for testing purposes) of VOC per gallon of coating, excluding water and exempt solvents

Applicable Compliance Method:

OAC rule 3745-21-10(B). Formulation data or USEPA Method 24 shall be used to determine the VOC contents of the coatings.
  - b. Emission Limitation:
 

VOC emissions from emissions units K002 and K003, combined, shall not exceed 239.67 lbs/day.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.1.
  - c. Emission Limitation:
 

VOC emissions from emissions units K002 and K003, combined, shall not exceed 14.40 tons/yr.

Applicable Compliance Method:

Compliance shall be determined based upon the record keeping requirements specified in section A.III.1

and the following calculation:

VOC, in tons/yr = summation of A.III.1.i for each day during the calendar year / 2000 lbs/ton.

d. Emission Limitations:

The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.

Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to sections A.III.2 and A.III.3.

Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.

e. Operational Restrictions:

The total combined coating usage for emissions units K002 and K003 in any rolling, 12-month period, shall not exceed 146,677 gallons for coatings with a VOC content of less than 0.18 pound per gallon, and 1,590 gallons for coatings with a VOC content of greater than 0.18 pound per gallon, but less than or equal to 1.5 pounds per gallon.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in section A.III.4.

2. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06680, issued on April 23, 2002: section A.V.1. The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: K003 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>		

1. None

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II. **Operational Restrictions**

1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: R001 Issuance type: Title V Final Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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.

<b>Operations, Property, and/or Equipment</b>	<b>Applicable Rules/Requirements</b>	<b>Applicable Emissions Limitations/Control Measures</b>
specialty booth finishing system (system includes 1 spray booth) controlled by a regenerative thermal oxidizer (RTO)	OAC rule 3745-21-07(G)(6)(a)	The emission reduction requirement specified in this rule (90% or more of the carbon in the organic material being incinerated) is less stringent to the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(2)	See A.I.2.a below. The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 06-06474)	See A.I.2.a below. Volatile organic compound (VOC) emissions shall not exceed 4.10 lbs/hr and 2.01 tons/yr.  Particulate emissions shall not exceed 2.41 tons/yr.
		See A.I.2.a below.  Compliance with this rule also includes compliance

OAC rule 3745-31-05(D)  
(PTI 06-06474)

OAC rule 3745-17-07(A)

OAC rule 3745-17-11(B)  
(Table 1)

with OAC rules 3745-17-07(A) and 3745-17-11(B).  
See A.I.2.b below.

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Particulate emissions shall not exceed 0.551 lb/hr.

## 2. Additional Terms and Conditions

- a. The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.

These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.

- c. The VOC emissions from emissions units K001, R001, R002, R003, R004, R011, and R013 are all vented to the same RTO.

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### II. Operational Restrictions

1. The average combustion temperature within the RTO, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
2. The permittee shall operate the spray booth dry filtration system(s) whenever this emissions unit is in operation.

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### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the RTO when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance;
  - b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation; and
  - c. all time periods when the spray booth dry filtration system(s) was (were) not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information each day for this emissions unit:
    - a. the company identification for each coating, thinner, and cleanup material employed;
    - b. the number of gallons of each coating, thinner, and cleanup material employed;
    - c. the VOC content of each coating, thinner, and cleanup material, in pounds per gallon, excluding water;
    - d. the total uncontrolled VOC emission rate in pounds (the sum of (b)x(c) for all coatings, thinners, and cleanup materials employed);
    - e. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in pounds (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance);
    - f. the hours of operation of the emissions unit; and
    - g. the calculated average hourly emission rate, in pounds per hour, calculated by dividing the controlled emission rate by the actual hours of operation of the emissions unit ((e)/(f)).
  3. The permittee shall collect and record the following information each month for this emissions unit:

- a. the total number of gallons of each coating, thinner, and cleanup material employed;
  - b. the individual HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
  - c. the total uncontrolled emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
  - d. the total controlled emission rate for each individual HAP, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance);
  - e. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
  - f. the total uncontrolled emission rate for all HAPs combined, in tons (the sum of (a)x(e)x(0.0005 ton/lb));
  - g. the total controlled emission rate for all HAPs combined, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance); and
  - h. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in tons (i.e., the sum of the daily values from section A.III.2.e, divided by 2000 lbs/ton).
4. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
- a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
  - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);
  - c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
  - a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
  - b. any exceedances of the hourly VOC emission limitation.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.
2. The permittee shall submit quarterly summaries that include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
 

The quarterly summaries shall be submitted, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.
3. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the spray booth dry filtration system(s) was (were) not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
4. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.I.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
5. The permittee shall also submit annual reports that specify the total VOC and particulate emissions from this emissions unit for the previous calendar year. The reports shall be submitted by January 31 of each year.
6. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.IV.(1-5). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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V. **Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:
 

VOC emissions shall not exceed 4.10 lbs/hr.

Applicable Compliance Method:

Compliance may be based upon the records required pursuant to section A.III.2.

Compliance shall also be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - c. Emission Limitation:
 

VOC emissions shall not exceed 2.01 tons/yr

Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to section A.III.3.
  - d. Emission Limitations:
 

The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.

Applicable Compliance Method:

Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - e. Emission Limitations:
 

The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.

Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to sections A.III.3 and A.III.4.
  - f. Emission Limitation:
 

Particulate emissions shall not exceed 0.551 lb/hr.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation may be used:

$$E = \text{maximum coating solids usage rate (in pounds per hour)} * (1-TE) * (1-CE)$$

E = particulate emission rate (lb/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used.

CE = control efficiency of the control equipment (i.e., booth filters)

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).
  - g. Emission Limitation:
 

Particulate emissions shall not exceed 2.41 tons/yr.

## Applicable Compliance Method:

This emission limitation was established by multiplying the hourly particulate emission limitation by 8760 and dividing by 2000 lbs/ton. Compliance with this emission limitation will be demonstrated provided that the permittee complies with the hourly particulate emission limitation.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC and the overall (capture and control efficiencies) control efficiency limitation for VOC.
  - c. The test(s) shall be conducted while emissions units K001, R001, R002, R003, R004, R011, and R013 are operating at or near their maximum capacities, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
  - d. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for VOC: 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A, as appropriate.
  - e. The test methods which must be employed to demonstrate compliance with the overall (capture and control efficiencies) control efficiency limitation for VOC are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - f. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10(C). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.
3. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings, thinners, and cleanup materials.
 

Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.
4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.V.(1-3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0666010033 Emissions Unit ID: R001 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
<b>2. Additional Terms and Conditions</b>		
1. None		

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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**Facility ID: 0666010033 Emissions Unit ID: R002 Issuance type: Title V Final Permit**

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
Celfa line finishing system - stain roll coater and oven - (system includes 1 roll coater and 1 ultraviolet curing oven) controlled by a regenerative thermal oxidizer (RTO)	OAC rule 3745-21-07(G)(1)	The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(6)(a)	See A.I.2.a below. The emission reduction requirement specified in this rule (90% or more of the carbon in the organic material being incinerated) is less stringent to the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(2)	See A.I.2.a below. The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 06-06474)	See A.I.2.a below. Volatile organic compound (VOC) emissions from emissions units R002, R003, and R004, combined, shall not exceed 2.05 lbs/hr and 7.47 tons/yr.
	OAC rule 3745-31-05(D) (PTI 06-06474)	See A.I.2.a below. See A.I.2.b below.

**2. Additional Terms and Conditions**

- a. The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.  
  
These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.
- c. The VOC emissions from emissions units K001, R001, R002, R003, R004, R011, and R013 are all vented to the same RTO.

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**II. Operational Restrictions**

- 1. The average combustion temperature within the RTO, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

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

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the RTO when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance; and
- b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

- 2. The permittee shall collect and record the following information each day for emissions units R002, R003, and R004:

- a. the company identification for each coating, thinner, and cleanup material employed;
  - b. the number of gallons of each coating, thinner, and cleanup material employed;
  - c. the VOC content of each coating, thinner, and cleanup material, in pounds per gallon, excluding water;
  - d. the total uncontrolled VOC emission rate in pounds (the sum of (b)x(c) for all coatings, thinners, and cleanup materials employed);
  - e. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in pounds (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance);
  - f. the hours of operation of the emissions units; and
  - g. the calculated average hourly emission rate, in pounds per hour, calculated by dividing the controlled emission rate by the actual hours of operation of the emissions units ((e)/(f)).
3. The permittee shall collect and record the following information each month for emissions units R002, R003, and R004:
- a. the total number of gallons of each coating, thinner, and cleanup material employed;
  - b. the individual HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
  - c. the total uncontrolled emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
  - d. the total controlled emission rate for each individual HAP, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance);
  - e. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
  - f. the total uncontrolled emission rate for all HAPs combined, in tons (the sum of (a)x(e)x(0.0005 ton/lb));
  - g. the total controlled emission rate for all HAPs combined, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance); and
  - h. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in tons (i.e., the sum of the daily values from section A.III.2.e, divided by 2000 lbs/ton).
4. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
- a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
  - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);
  - c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
- a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
  - b. any exceedances of the hourly VOC emission limitation.
- The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.
2. The permittee shall submit quarterly summaries that include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
- The quarterly summaries shall be submitted, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

3. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.I.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
4. The permittee shall also submit annual reports that specify the total VOC emissions from emissions units R002, R003, and R004 for the previous calendar year. The reports shall be submitted by January 31 of each year.
5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.IV.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

VOC emissions from emissions units R002, R003, and R004, combined, shall not exceed 2.05 lbs/hr.

Applicable Compliance Method:

Compliance may be based upon the records required pursuant to section A.III.2.

Compliance shall also be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

VOC emissions from emissions units R002, R003, and R004, combined, shall not exceed 7.47 tons/yr.

Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to section A.III.3.
  - c. Emission Limitations:
 

The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.

Applicable Compliance Method:

Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - d. Emission Limitations:
 

The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.

Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to sections A.III.3 and A.III.4.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC and the overall (capture and control efficiencies) control efficiency limitation for VOC.
  - c. The test(s) shall be conducted while emissions units K001, R001, R002, R003, R004, R011, and R013 are operating at or near their maximum capacities, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
  - d. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for VOC: 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A, as appropriate.
  - e. The test methods which must be employed to demonstrate compliance with the overall (capture and control efficiencies) control efficiency limitation for VOC are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

f. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10(C). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

3. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings, thinners, and cleanup materials.

Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.

4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.III.(1-4). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: R002 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: R003 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
Celfa line finishing system - Roll Coater #1 and ultraviolet lamp - (system includes 1 roll coater and 1 ultraviolet curing oven) controlled by a regenerative thermal oxidizer (RTO)	OAC rule 3745-21-07(G)(1)	The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(6)(a)	See A.I.2.a below. The emission reduction requirement specified in this rule (90% or more of the carbon in the organic material being incinerated) is less stringent to the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(2)	See A.I.2.a below. The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).

OAC rule 3745-31-05(A)(3)  
(PTI 06-06474)

See A.I.2.a below.

Volatile organic compound (VOC) emissions from emissions units R002, R003, and R004, combined, shall not exceed 2.05 lbs/hr and 7.47 tons/yr.

OAC rule 3745-31-05(D)  
(PTI 06-06474)

See A.I.2.a below.

See A.I.2.b below.

## 2. Additional Terms and Conditions

- a. The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.  
  
These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.
- c. The VOC emissions from emissions units K001, R001, R002, R003, R004, R011, and R013 are all vented to the same RTO.

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### II. Operational Restrictions

1. The average combustion temperature within the RTO, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

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### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the RTO when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance; and
  - b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each day for emissions units R002, R003, and R004:
    - a. the company identification for each coating, thinner, and cleanup material employed;
    - b. the number of gallons of each coating, thinner, and cleanup material employed;
    - c. the VOC content of each coating, thinner, and cleanup material, in pounds per gallon, excluding water;
    - d. the total uncontrolled VOC emission rate in pounds (the sum of (b)x(c) for all coatings, thinners, and cleanup materials employed);
    - e. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in pounds (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance);
    - f. the hours of operation of the emissions units; and
    - g. the calculated average hourly emission rate, in pounds per hour, calculated by dividing the controlled emission rate by the actual hours of operation of the emissions units ((e)/(f)).
  3. The permittee shall collect and record the following information each month for emissions units R002, R003, and R004:
    - a. the total number of gallons of each coating, thinner, and cleanup material employed;

- b. the individual HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
  - c. the total uncontrolled emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
  - d. the total controlled emission rate for each individual HAP, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance);
  - e. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
  - f. the total uncontrolled emission rate for all HAPs combined, in tons (the sum of (a)x(e)x(0.0005 ton/lb));
  - g. the total controlled emission rate for all HAPs combined, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance); and
  - h. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in tons (i.e., the sum of the daily values from section A.III.2.e, divided by 2000 lbs/ton).
- 4. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
  - a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
  - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);
  - c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
- 5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

- 1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
  - a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
  - b. any exceedances of the hourly VOC emission limitation.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.
- 2. The permittee shall submit quarterly summaries that include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
 

The quarterly summaries shall be submitted, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.
- 3. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.I.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
- 4. The permittee shall also submit annual reports that specify the total VOC emissions from emissions units R002, R003, and R004 for the previous calendar year. The reports shall be submitted by January 31 of each year.
- 5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.IV.(1-4). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

- 1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
- VOC emissions from emissions units R002, R003, and R004, combined, shall not exceed 2.05 lbs/hr.
- Applicable Compliance Method:
- Compliance may be based upon the records required pursuant to section A.III.2.
- Compliance shall also be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
- b. Emission Limitation:
- VOC emissions from emissions units R002, R003, and R004, combined, shall not exceed 7.47 tons/yr.
- Applicable Compliance Method:
- Compliance shall be based upon the records required pursuant to section A.III.3.
- c. Emission Limitations:
- The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- Applicable Compliance Method:
- Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
- d. Emission Limitations:
- The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.
- Applicable Compliance Method:
- Compliance shall be based upon the records required pursuant to sections A.III.3 and A.III.4.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC and the overall (capture and control efficiencies) control efficiency limitation for VOC.
- c. The test(s) shall be conducted while emissions units K001, R001, R002, R003, R004, R011, and R013 are operating at or near their maximum capacities, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
- d. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for VOC: 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A, as appropriate.
- e. The test methods which must be employed to demonstrate compliance with the overall (capture and control efficiencies) control efficiency limitation for VOC are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- f. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10(C). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
- Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
- A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air

agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

- 3. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings, thinners, and cleanup materials.

Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.

- 4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.V.(1-4). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: R003 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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II. **Operational Restrictions**

- 1. None

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

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: R004 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
Celfa line finishing system - Roll Coater #2 and ultraviolet lamp - (system includes 1 roll coater and 1 ultraviolet curing oven) controlled by a regenerative thermal oxidizer (RTO)	OAC rule 3745-21-07(G)(1)	The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(6)(a)	See A.I.2.a below. The emission reduction requirement specified in this rule (90% or more of the carbon in the organic material being incinerated) is less stringent to the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(2)	See A.I.2.a below. The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 06-06474)	See A.I.2.a below. Volatile organic compound (VOC) emissions from emissions units R002, R003, and R004, combined, shall not exceed 2.05 lbs/hr and 7.47 tons/yr.
	OAC rule 3745-31-05(D) (PTI 06-06474)	See A.I.2.a below. See A.I.2.b below.

**2. Additional Terms and Conditions**

- a. The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.  
  
These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.
- c. The VOC emissions from emissions units K001, R001, R002, R003, R004, R011, and R013 are all

vented to the same RTO.

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**II. Operational Restrictions**

1. The average combustion temperature within the RTO, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

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

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the RTO when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance; and
  - b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. The permittee shall collect and record the following information each day for emissions units R002, R003, and R004:
    - a. the company identification for each coating, thinner, and cleanup material employed;
    - b. the number of gallons of each coating, thinner, and cleanup material employed;
    - c. the VOC content of each coating, thinner, and cleanup material, in pounds per gallon, excluding water;
    - d. the total uncontrolled VOC emission rate in pounds (the sum of (b)x(c) for all coatings, thinners, and cleanup materials employed);
    - e. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in pounds (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance);
    - f. the hours of operation of the emissions units; and
    - g. the calculated average hourly emission rate, in pounds per hour, calculated by dividing the controlled emission rate by the actual hours of operation of the emissions units ((e)/(f)).
  3. The permittee shall collect and record the following information each month for emissions units R002, R003, and R004:
    - a. the total number of gallons of each coating, thinner, and cleanup material employed;
    - b. the individual HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
    - c. the total uncontrolled emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
    - d. the total controlled emission rate for each individual HAP, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance);
    - e. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
    - f. the total uncontrolled emission rate for all HAPs combined, in tons (the sum of (a)x(e)x(0.0005 ton/lb));
    - g. the total controlled emission rate for all HAPs combined, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions units were in compliance); and
    - h. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in tons (i.e., the sum of the daily values from section A.III.2.e, divided by 2000 lbs/ton).
  4. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
    - a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
    - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);

- c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
- 5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
  - a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
  - b. any exceedances of the hourly VOC emission limitation.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.
2. The permittee shall submit quarterly summaries that include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
 

The quarterly summaries shall be submitted, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.
3. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.I.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
4. The permittee shall also submit annual reports that specify the total VOC emissions from emissions units R002, R003, and R004 for the previous calendar year. The reports shall be submitted by January 31 of each year.
5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.IV.(1-4). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

VOC emissions from emissions units R002, R003, and R004, combined, shall not exceed 2.05 lbs/hr.

Applicable Compliance Method:

Compliance may be based upon the records required pursuant to section A.III.2.

Compliance shall also be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - b. Emission Limitation:
 

VOC emissions from emissions units R002, R003, and R004, combined, shall not exceed 7.47 tons/yr.

Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to section A.III.3.
  - c. Emission Limitations:
 

The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.

## Applicable Compliance Method:

Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.

## d. Emission Limitations:

The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.

## Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to sections A.III.3 and A.III.4.

## 2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC and the overall (capture and control efficiencies) control efficiency limitation for VOC.

c. The test(s) shall be conducted while emissions units K001, R001, R002, R003, R004, R011, and R013 are operating at or near their maximum capacities, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

d. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for VOC: 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A, as appropriate.

e. The test methods which must be employed to demonstrate compliance with the overall (capture and control efficiencies) control efficiency limitation for VOC are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

f. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10(C). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

## 3. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings, thinners, and cleanup materials.

Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.

## 4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.V.(1-3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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## VI. Miscellaneous Requirements

## 1. None

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Facility ID: 0666010033 Emissions Unit ID: R004 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. 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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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**II. Operational Restrictions**

- 1. None

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

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

- 1. None

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 0666010033 Emissions Unit ID: R011 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
backline finishing system (system includes 2 spray booths and 2 infrared drying ovens) controlled by a regenerative thermal oxidizer (RTO)	OAC rule 3745-21-07(G)(6)(a)	The emission reduction requirement specified in this rule (90% or more of the carbon in the organic material being incinerated) is less stringent to the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(2)	See A.I.2.a below. The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 06-06474)	See A.I.2.a below. Volatile organic compound (VOC) emissions shall not exceed 10.85 lbs/hr and 45.34 tons/yr.  Particulate emissions shall not exceed 2.41 tons/yr.  See A.I.2.a below.
	OAC rule 3745-31-05(D) (PTI 06-06474)	Compliance with this rule also includes compliance with OAC rules 3745-17-07(A) and 3745-17-11(B). See A.I.2.b below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B) (Table 1)	Particulate emissions shall not exceed 0.551 lb/hr.

**2. Additional Terms and Conditions**

- a. The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.  
  
These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.
- c. The VOC emissions from emissions units K001, R001, R002, R003, R004, R011, and R013 are all vented to the same RTO.

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**II. Operational Restrictions**

1. The average combustion temperature within the RTO, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
2. The permittee shall operate the spray booth dry filtration system(s) whenever this emissions unit is in operation.

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

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the RTO when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring

the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance;
  - b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation; and
  - c. all time periods when the spray booth dry filtration system(s) was (were) not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information each day for this emissions unit:
    - a. the company identification for each coating, thinner, and cleanup material employed;
    - b. the number of gallons of each coating, thinner, and cleanup material employed;
    - c. the VOC content of each coating, thinner, and cleanup material, in pounds per gallon, excluding water;
    - d. the total uncontrolled VOC emission rate in pounds (the sum of (b)x(c) for all coatings, thinners, and cleanup materials employed);
    - e. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in pounds (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance);
    - f. the hours of operation of the emissions unit; and
    - g. the calculated average hourly emission rate, in pounds per hour, calculated by dividing the controlled emission rate by the actual hours of operation of the emissions unit ((e)/(f)).
  3. The permittee shall collect and record the following information each month for this emissions unit:
    - a. the total number of gallons of each coating, thinner, and cleanup material employed;
    - b. the individual HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
    - c. the total uncontrolled emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
    - d. the total controlled emission rate for each individual HAP, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance);
    - e. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
    - f. the total uncontrolled emission rate for all HAPs combined, in tons (the sum of (a)x(e)x(0.0005 ton/lb));
    - g. the total controlled emission rate for all HAPs combined, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance); and
    - h. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in tons (i.e., the sum of the daily values from section A.III.2.e, divided by 2000 lbs/ton).
  4. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
    - a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
    - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);
    - c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
    - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
  5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
  - a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
  - b. any exceedances of the hourly VOC emission limitation.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.
2. The permittee shall submit quarterly summaries that include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
 

The quarterly summaries shall be submitted, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.
3. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the spray booth dry filtration system(s) was (were) not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
4. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.1.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
5. The permittee shall also submit annual reports that specify the total VOC and particulate emissions from this emissions unit for the previous calendar year. The reports shall be submitted by January 31 of each year.
6. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.IV.(1-5). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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**V. Testing Requirements**

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).
  - b. Emission Limitation:
 

VOC emissions shall not exceed 10.85 lbs/hr.

Applicable Compliance Method:

Compliance may be based upon the records required pursuant to section A.III.2.

Compliance shall also be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
  - c. Emission Limitation:
 

VOC emissions shall not exceed 45.34 tons/yr

Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to section A.III.3.
  - d. Emission Limitations:
 

The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.

Applicable Compliance Method:

Compliance shall be demonstrated based upon emission tests performed in accordance with the

methods and procedures specified in section A.V.2.

e. Emission Limitations:

The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.

Applicable Compliance Method:

Compliance shall be based upon the records required pursuant to sections A.III.3 and A.III.4.

f. Emission Limitation:

Particulate emissions shall not exceed 0.551 lb/hr.

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation may be used:

$E = \text{maximum coating solids usage rate (in pounds per hour)} * (1-TE) * (1-CE)$

E = particulate emission rate (lb/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used.

CE = control efficiency of the control equipment (i.e., booth filters)

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).

g. Emission Limitation:

Particulate emissions shall not exceed 2.41 tons/yr.

Applicable Compliance Method:

This emission limitation was established by multiplying the hourly particulate emission limitation by 8760 and dividing by 2000 lbs/ton. Compliance with this emission limitation will be demonstrated provided that the permittee complies with the hourly particulate emission limitation.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC and the overall (capture and control efficiencies) control efficiency limitation for VOC.

c. The test(s) shall be conducted while emissions units K001, R001, R002, R003, R004, R011, and R013 are operating at or near their maximum capacities, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

d. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for VOC: 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A, as appropriate.

e. The test methods which must be employed to demonstrate compliance with the overall (capture and control efficiencies) control efficiency limitation for VOC are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

f. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10(C). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

3. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings, thinners, and cleanup materials.

Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.

4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.V.(1-3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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**VI. Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Emissions Unit ID: R011 Issuance type: Title V Final Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. 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>
2. <b>Additional Terms and Conditions</b>			
1.	None		

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**II. Operational Restrictions**

1. None

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

1. None

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**IV. Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0666010033 Issuance type: Title V Final Permit

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Facility ID: 0666010033 Emissions Unit ID: R013 Issuance type: Title V Final Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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>
specialty booth #2 (system includes 1 spray booth) controlled by a regenerative thermal oxidizer (RTO)	OAC rule 3745-21-07(G)(6)(a)	The emission reduction requirement specified in this rule (90% or more of the carbon in the organic material being incinerated) is less stringent to the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)(2)	See A.I.2.a below. The emission reduction requirement specified in this rule (85% overall control efficiency) is less stringent than the emission reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-31-05(A)(3) (PTI 06-06474)	See A.I.2.a below. Volatile organic compound (VOC) emissions shall not exceed 4.10 lbs/hr and 2.01 tons/yr.  Particulate emissions shall not exceed 2.41 tons/yr.
	OAC rule 3745-31-05(D) (PTI 06-06474)	See A.I.2.a below. Compliance with this rule also includes compliance with OAC rules 3745-17-07(A) and 3745-17-11(B). See A.I.2.b below.
	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B) (Table 1)	Particulate emissions shall not exceed 0.551 lb/hr.

2. **Additional Terms and Conditions**

- a. The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- b. The total facility hazardous air pollutant (HAP) emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs,

combined.

These facility emission limitations were established pursuant to OAC rule 3745-31-05(D), in order to exempt this facility from the applicable maximum achievable control technology requirements specified in 40 CFR Part 63, Subpart JJ.

- c. The VOC emissions from emissions units K001, R001, R002, R003, R004, R011, and R013 are all vented to the same RTO.

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#### II. Operational Restrictions

1. The average combustion temperature within the RTO, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
2. The permittee shall operate the spray booth dry filtration system(s) whenever this emissions unit is in operation.

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#### III. Monitoring and/or Record Keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the RTO when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record the following information for each day for the control equipment:

- a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance;
  - b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation; and
  - c. all time periods when the spray booth dry filtration system(s) was (were) not in service when the emissions unit was in operation.
2. The permittee shall collect and record the following information each day for this emissions unit:
    - a. the company identification for each coating, thinner, and cleanup material employed;
    - b. the number of gallons of each coating, thinner, and cleanup material employed;
    - c. the VOC content of each coating, thinner, and cleanup material, in pounds per gallon, excluding water;
    - d. the total uncontrolled VOC emission rate in pounds (the sum of (b)x(c) for all coatings, thinners, and cleanup materials employed);
    - e. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in pounds (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance);
    - f. the hours of operation of the emissions unit; and
    - g. the calculated average hourly emission rate, in pounds per hour, calculated by dividing the controlled emission rate by the actual hours of operation of the emissions unit ((e)/(f)).
  3. The permittee shall collect and record the following information each month for this emissions unit:
    - a. the total number of gallons of each coating, thinner, and cleanup material employed;
    - b. the individual HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
    - c. the total uncontrolled emission rate for each individual HAP, in tons ((a)x(b)x(0.0005 ton/lb));
    - d. the total controlled emission rate for each individual HAP, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance);
    - e. the combined HAP content of each coating, thinner, and cleanup material, in pounds per gallon;
    - f. the total uncontrolled emission rate for all HAPs combined, in tons (the sum of (a)x(e)x(0.0005 ton/lb));
    - g. the total controlled emission rate for all HAPs combined, in tons (i.e., calculated using the overall control efficiency from the most recent emission test that demonstrated the emissions unit was in compliance); and
    - h. the total controlled VOC emission rate for all coatings, thinners, and cleanup materials, in tons (i.e., the

sum of the daily values from section A.III.2.e, divided by 2000 lbs/ton).

4. The permittee shall collect and record the following information each month for all of the affected emissions units at the facility:
  - a. the total individual HAP emission rate, in tons (i.e., the summation of the individual HAP emissions for each affected emissions unit at the facility);
  - b. the total combined HAP emission rate, in tons (i.e., the summation of the combined HAP emissions for each affected emissions unit at the facility);
  - c. the rolling, 12-month summation of the individual HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months); and
  - d. the rolling, 12-month summation of the combined HAP emissions, in tons (i.e., the emission rate for the current month added to the emission rate for the previous 11 calendar months).
5. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following monitoring and recordkeeping requirements are as stringent as or more stringent than the monitoring and recordkeeping requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.III.(1-4). The monitoring and recordkeeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and recordkeeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and recordkeeping requirements in the Permit to Install.

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#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify the following:
  - a. all 3-hour blocks of time during which the average combustion temperature within the RTO, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and
  - b. any exceedances of the hourly VOC emission limitation.

The quarterly deviation reports shall be submitted in accordance with General Term and Condition A.1.c.ii.
2. The permittee shall submit quarterly summaries that include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
 

The quarterly summaries shall be submitted, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.
3. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the spray booth dry filtration system(s) was (were) not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
4. The permittee shall notify the Director (the appropriate District Office or local air agency) of any monthly record showing an exceedance of the rolling, 12-month HAP emission limitations specified in section A.I.2.b. A copy of such record shall be sent to the Director (the appropriate District Office or local air agency) within 30 days following the end of the calendar month.
5. The permittee shall also submit annual reports that specify the total VOC and particulate emissions from this emissions unit for the previous calendar year. The reports shall be submitted by January 31 of each year.
6. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.IV.(1-5). The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Permit to Install.

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#### V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

Visible particulate emissions from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitation:
- VOC emissions shall not exceed 4.10 lbs/hr.
- Applicable Compliance Method:
- Compliance may be based upon the records required pursuant to section A.III.2.
- Compliance shall also be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
- c. Emission Limitation:
- VOC emissions shall not exceed 2.01 tons/yr
- Applicable Compliance Method:
- Compliance shall be based upon the records required pursuant to section A.III.3.
- d. Emission Limitations:
- The permittee shall maintain an overall VOC control efficiency which is at least 90%, by weight, and a RTO control efficiency (i.e., destruction efficiency) which is at least 90%, by weight, for this emissions unit.
- Applicable Compliance Method:
- Compliance shall be demonstrated based upon emission tests performed in accordance with the methods and procedures specified in section A.V.2.
- e. Emission Limitations:
- The total facility HAP emissions shall be less than 10 tons per rolling, 12-month period for any individual HAP and less than 25 tons per rolling, 12-month period for all HAPs, combined.
- Applicable Compliance Method:
- Compliance shall be based upon the records required pursuant to sections A.III.3 and A.III.4.
- f. Emission Limitation:
- Particulate emissions shall not exceed 0.551 lb/hr.
- Applicable Compliance Method:
- To determine the actual worst case particulate emission rate, the following equation may be used:
- $$E = \text{maximum coating solids usage rate (in pounds per hour)} * (1-TE) * (1-CE)$$
- E = particulate emission rate (lb/hr)
- TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used.
- CE = control efficiency of the control equipment (i.e., booth filters)
- If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03(B)(10).
- g. Emission Limitation:
- Particulate emissions shall not exceed 2.41 tons/yr.
- Applicable Compliance Method:
- This emission limitation was established by multiplying the hourly particulate emission limitation by 8760 and dividing by 2000 lbs/ton. Compliance with this emission limitation will be demonstrated provided that the permittee complies with the hourly particulate emission limitation.
2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
- The emission testing shall be conducted approximately 2.5 years after permit issuance and within 6 months prior to permit expiration.
  - The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for VOC and the overall (capture and control efficiencies) control efficiency limitation for VOC.
  - The test(s) shall be conducted while emissions units K001, R001, R002, R003, R004, R011, and R013 are operating at or near their maximum capacities, unless otherwise specified or approved by the

appropriate Ohio EPA District Office or local air agency.

d. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for VOC: 40 CFR Part 60, Appendix A, Methods 1-4 and 25 or 25A, as appropriate.

e. The test methods which must be employed to demonstrate compliance with the overall (capture and control efficiencies) control efficiency limitation for VOC are specified below. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

f. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10(C). The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

3. Formulation data or USEPA Method 24 shall be used to determine the organic compound contents of the coatings, thinners, and cleanup materials.

Formulation data shall be used to determine the individual HAP content of each HAP-containing material employed at the facility.

4. Pursuant to OAC Rule 3745-77-07(A)(3)(a)(ii), the following testing requirements are as stringent as or more stringent than the testing requirements contained in Permit to Install # 06-06474, issued on October 4, 2001: section A.V.(1-3). The testing requirements contained in the above-referenced Permit to Install are subsumed into the testing requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying testing requirements in the Permit to Install.

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VI. **Miscellaneous Requirements**

1. None

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**Facility ID: 0666010033 Emissions Unit ID: R013 Issuance type: Title V Final Permit**

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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> |
|----|---|--------------------------------------|--|
| 2. | <b>Additional Terms and Conditions</b>        |                                      |  |
| 1. | None  |                                      |  |

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II. **Operational Restrictions**

1. None

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

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None