

Facility ID: 1318451029 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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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. The permittee may be subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Miscellaneous Metal Parts and Products, 40 CFR Part 63, Subpart Mmmm; and the NESHAP for Industrial, Commercial and Institutional Boilers and Process Heaters, 40 CFR Part 63, Subpart DDDDD. U.S. EPA failed to promulgate these standards by May 15, 2002, the Maximum Achievable Control Technology (MACT) hammer date. In accordance with 40 CFR Part 63, Subpart B (40 CFR Parts 63.50 through 63.56), the permittee shall submit an application to revise the permit to include equivalent emission limitations as a result of a case-by-case MACT determination. The application shall be submitted in two parts. The deadline to submit the Part I application, as specified in 40 CFR Part 63.53, was May 15, 2002.
2. If the final NESHAP standard is not promulgated by the deadline specified by U.S. EPA, the permittee shall submit the Part II application as specified in 40 CFR Part 63.53. The Part II application shall be submitted within 60 days after the deadline to promulgate the respective standard or by May 15, 2003, whichever is later. It must contain the following information, unless otherwise specified by future U.S. EPA regulations:
 - a. for a new affected source, the anticipated date of startup of operation;
 - b. the hazardous air pollutants (HAPs) emitted by each affected source in the relevant source category and an estimated total uncontrolled and controlled emission rate for HAPs from the affected source;
 - c. any existing federal, State, or local limitations or requirements applicable to the affected source;
 - d. for each affected emission point or group of affected emission points, an identification of control technology in place;
 - e. information relevant to establishing the MACT floor (or MACT emission limitation), and, at the option of the permittee, a recommended MACT floor; and
 - f. any other information reasonably needed by the permitting authority including, at the discretion of the permitting authority, information required pursuant to Subpart A of 40 CFR Part 63.
3. The Part II application for a MACT determination may, but is not required to, contain the following information:
 - a. recommended emission limitations for the affected source and support information (the permittee may recommend a specific design, equipment, work practice, or operational standard, or combination thereof, as an emission limitation);
 - b. a description of the control technologies that would be applied to meet the emission limitation, including technical information on the design, operation, size, estimated control efficiency and any other information deemed appropriate by the permitting authority, and identification of the affected sources to which the control technologies must be applied; and
 - c. relevant parameters to be monitored and frequency of monitoring to demonstrate continuous compliance with the MACT emission limitation over the applicable reporting period.
4. If the NESHAP is promulgated before the Part II application is due for the relevant source category, the permittee may be subject to the rule as an existing major source with a compliance date as specified in the NESHAP. If subject, the permittee shall submit the following notifications:
 - a. Unless otherwise specified in the relevant Subpart, within 120 days after promulgation of a 40 CFR Part 63 Subpart to which the source is subject, the permittee shall submit an Initial Notification Report that contains the following information, in accordance with 40 CFR Part 63.9(b)(2):
 - i. the name and mailing address of the permittee;

- ii. the physical location of the source if it is different from the mailing address;
 - iii. identification of the relevant MACT standard and the source's compliance date;
 - iv. a brief description of the nature, design, size, and method of operation of the source, and an identification of the types of emission points within the affected source subject to the relevant standard and the types of HAPs emitted; and
 - v. a statement confirming the facility is a major source for HAPs.
- b. Unless otherwise specified in the relevant Subpart, within 60 days following completion of any required compliance demonstration activity specified in the relevant Subpart, the permittee shall submit a notification of compliance status that contains the following information:
- i. the methods used to determine compliance;
 - ii the results of any performance tests, visible emission observations, continuous monitoring systems performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - iii. the methods that will be used for determining continuous compliance, including a description of monitoring and reporting requirements and test methods;
 - iv. the type and quantity of HAPs emitted by the source, reported in units and averaging times in accordance with the test methods specified in the relevant Subpart;
 - v. an analysis demonstrating whether the affected source is a major source or an area source;
 - vi. a description of the air pollution control equipment or method for each emission point, including each control device or method for each HAP and the control efficiency (percent) for each control device or method; and
 - vii. a statement of whether or not the permittee has complied with the requirements of the relevant Subpart.

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b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:
- F001 - unpaved roadway and parking areas;
 - G002 - diesel fuel dispensing operation with a 1500-gallon diesel tank;
 - P001 - wastewater treatment plant;
 - P004 - process parts washer;
 - P025 - two 600 HP diesel engines powering 1 electric generator;
 - P026 - 192 HP diesel engine (water pump);
 - P027 - 335.12 HP diesel engine (electric generator);
 - P028 - 192 HP diesel engine (fire pump house);
 - P029 - 335.12 HP diesel engine (screw pump);
 - P030 - 569.7 HP emergency diesel generator;
 - P031 - 265 HP diesel engine new fire pump;
 - P032 - heat treat furnace
 - P033 - heat treat furnace
 - Z001 - Z013 video ink jet printers;
 - Z014 - paint booth #3;
 - Z015 - 1,000-gallon stormwater separator skim oil tank;
 - Z016 - 12,000-gallon oil storage tank 2;
 - Z017 - 12,000-gallon oil storage tank 3;
 - Z018 - 12,000-gallon oil storage tank 4;
 - Z019 - 12,000-gallon oil storage tank 5;
 - Z020 - 12,000-gallon oil storage tank 6;
 - Z021 - 12,000-gallon oil storage tank 7;
 - Z022 - maintenance parts washer;
 - Z023 - process machining;
 - Z024 - 500-gallon portable gasoline storage tank 8;
 - Z025 - 500-gallon diesel storage tank 9 for emergency generator;
 - Z026 - 250-gallon diesel storage tank 10 for emergency generator;
 - Z027 - 12,000-gallon storage tank 11;
 - Z028 - 12,000-gallon storage tank 12;
 - Z029 - 12,000-gallon storage tank 13;
 - Z030 - 12,000-gallon storage tank 14;
 - Z031 - 290-gallon diesel storage tank 15 for fire pump;
 - Z032 - 290-gallon diesel storage tank 16 for fire pump;
 - Z033 - 300-gallon kerosene storage tank 17;
 - Z034 - 300-gallon kerosene storage tank 18; and
 - Z035 - AAF rotoclone type D dust collector.

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 a permit to install for the emissions unit.

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- [Go to Part III for Emissions Unit B002](#)
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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1318451029 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>
128.0 mmBtu/hr natural gas-fired boiler used for process heat and steam	OAC rule 3745-17-10(B)(1)	0.020 lb of particulate emissions per million Btu actual heat input
	OAC rule 3745-17-07(A)	Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

2. Additional Terms and Conditions

- a. OAC rule 3745-18-06 does not establish a sulfur dioxide emission limitation for this "fuel burning equipment" because it only employs natural gas as fuel.

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II. Operational Restrictions

1. The permittee shall burn only natural gas in this emissions unit.

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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, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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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 was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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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 methods:
 - a. Emission Limitation - 0.020 lb of particulate emissions per mmBtu actual heat input

Applicable Compliance Method -
 Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (0.128 mmcu.ft/hr) by the AP-42 emission factor* for natural gas combustion (1.9 lbs/mmcu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (128.0 mmBtu/hr).

*AP-42, Compilation of Air Pollution Emission Factors, Fifth Edition, Supplement D (7-98), Table 1.4-2

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

- b. Emission Limitation -
 Visible particulate emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.

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

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318451029 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. 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: 1318451029 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>
128.0 mmBtu/hr natural gas-fired boiler used for process heat and steam	OAC rule 3745-17-10(B)(1) OAC rule 3745-17-07(A)	0.020 lb of particulate emissions per million Btu actual heat input Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

2. **Additional Terms and Conditions**

- a. OAC rule 3745-18-06 does not establish a sulfur dioxide emission limitation for this "fuel burning equipment" because it only employs natural gas as fuel.

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II. **Operational Restrictions**

- 1. The permittee shall burn only natural gas in this emissions unit.

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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, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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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 was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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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 methods:
 - a. Emission Limitation -
0.020 lb of particulate emissions per mmBtu actual heat input

Applicable Compliance Method -
Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (0.128 mmcu.ft/hr) by the AP-42 emission factor* for natural gas combustion (1.9 lbs/mmcu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (128.0 mmBtu/hr).

*AP-42, Compilation of Air Pollution Emission Factors, Fifth Edition, Supplement D (7-98), Table 1.4-2

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.
 - b. Emission Limitation -
Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

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

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318451029 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. 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: 1318451029 Emissions Unit ID: B005 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>
77.0 mmBtu/hr natural gas-fired package boiler (standby for process heat and steam)	OAC rule 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-10(B)(1)	0.020 lb of particulate emissions per million Btu actual heat input
	OAC rule 3745-31-05(A)(3) (PTI# 13-2929)	1.54 lbs/hr of particulate emissions
		7.70 lbs/hr of nitrogen oxides emissions
		7.70 lbs/hr of carbon monoxide emissions
		0.77 lb/hr of sulfur dioxide emissions
		0.77 lb/hr of VOC emissions
		Visible particulate emissions shall not exceed 5% opacity, as a 6-minute average.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-10(B)(1).
	OAC rule 3745-21-08(B)	See A.I.2.a below.
	OAC rule 3745-23-06(B)	See A.I.2.b below.
	40 CFR 60, Subpart Dc	Pursuant to 40 CFR Part 60 Subpart Dc, the permittee shall record and maintain records of the amount of natural gas combusted during each day (see A.III.2).

2. **Additional Terms and Conditions**

- a. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 13-2929.
- (a) On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.
- b. The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 13-2929.
- c. OAC rule 3745-18-06 does not establish a sulfur dioxide emission limitation for this "fuel burning equipment" because it only employs natural gas as fuel.

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II. **Operational Restrictions**

1. The permittee shall burn only natural gas in this emissions unit.

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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, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain daily records of the amount of natural gas burned in this emissions unit.

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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 was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

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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 methods:
 - a. Emission Limitation -
0.020 lb of particulate emissions per mmBtu actual heat input

Applicable Compliance Method -
Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (0.077 mmcu.ft/hr) by the AP-42 emission factor* for natural gas combustion (1.9 lbs/mmcu.ft) and dividing by the maximum hourly heat input capacity of the emissions unit (77.0 mmBtu/hr).

*AP-42, Compilation of Air Pollution Emission Factors, Fifth Edition, Supplement D (7-98), Table 1.4-2

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.
 - b. Emission Limitation -
1.54 lbs/hr of particulate emissions

Applicable Compliance Method -
Compliance may be determined by multiplying the AP-42 emission factor for natural gas combustion* (1.9 lbs PE/mmcu.ft) by the maximum hourly gas burning capacity (0.077mmcu.ft/hr) of the emissions unit.

*AP-42, Compilation of Air Pollution Emission Factors, Fifth Edition, Supplement D (7-98), Table 1.4-2

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

- c. Emission Limitation -
Visible particulate emissions shall not exceed 5% opacity, as a 6-minute average.
- Applicable Compliance Method -
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.
- d. Emission Limitation -
7.70 lbs/hr of nitrogen oxides emissions
- Applicable Compliance Method -
Compliance may be determined by multiplying the AP-42 emission factor for natural gas combustion* (100 lbs NOx/mmcu.ft) by the maximum hourly gas burning capacity (0.077mmcu.ft/hr) of the emissions unit.
- *AP-42, Compilation of Air Pollution Emission Factors, Fifth Edition, Supplement D (7-98), Table 1.4-1
- If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 7 or 7E of 40 CFR Part 60, Appendix A.
- e. Emission Limitation -
7.70 lbs/hr of carbon monoxide emissions
- Applicable Compliance Method -
Compliance may be determined by multiplying the the AP-42 emission factor for natural gas combustion (84 lbs CO/mmcu.ft) by the maximum hourly gas burning capacity (0.077mmcu.ft/hr) of the emissions unit.
- *AP-42, Compilation of Air Pollution Emission Factors, Fifth Edition, Supplement D (7-98), Table 1.4-1
- If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 10 of 40 CFR Part 60, Appendix A.
- f. Emission Limitation -
0.77 lb/hr of sulfur dioxide emissions
- Applicable Compliance Method -
Compliance may be determined by multiplying the the AP-42 emission factor for natural gas combustion (0.6 lb SO2/mmcu.ft) by the maximum hourly gas burning capacity (0.077mmcu.ft/hr) of the emissions unit.
- *AP-42, Compilation of Air Pollution Emission Factors, Fifth Edition, Supplement D (7-98), Table 1.4-2
- If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 6 of 40 CFR Part 60, Appendix A.
- g. Emission Limitation -
0.77 lb/hr of VOC emissions
- Applicable Compliance Method -
Compliance may be determined by multiplying the AP-42 emission factor for natural gas combustion* (5.5 lbs total VOC/mmcu.ft) by the maximum hourly gas burning capacity (0.077mmcu.ft/hr) of the emissions unit.
- *AP-42, Compilation of Air Pollution Emission Factors, Fifth Edition, Supplement D (7-98), Table 1.4-2
- If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 25 or 25A of 40 CFR Part 60, Appendix A.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1318451029 Emissions Unit ID: B005 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: 1318451029 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>
maintenance paint booth	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 3745-21-09(U)(2)(e)(ii)	See A.I.2.a and A.II.1 below.
	OAC rule 3745-17-11(B)	0.551 lb/hr of particulate emissions

2. **Additional Terms and Conditions**

a. Although the requirements of OAC rule 3745-21-09(U) allow for an exemption from applicable VOC content limitations, the daily usage exemption allowed in accordance with OAC rule 3745-21-09(U)(2)(e)(ii) is not part of the federally-approved SIP (for the Cleveland/Akron ozone area). The rule has been revised to reflect an exemption level (3 gallons per day) that is acceptable to USEPA. Therefore, the 3 gallons per day usage restriction shall apply as the exemption level while OAC rule 3745-21-09(U) is being approved by USEPA, as well as after USEPA approval.

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II. **Operational Restrictions**

1. The maximum daily coating usage for this emissions unit shall not exceed 3 gallons.
2. The permittee shall operate the water wash system for the control of paint overspray when this emissions unit is in operation.

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

1. The permittee shall collect and record the following information each day for this emissions unit:
 - a. the name and identification number of each coating employed;
 - b. the volume, in gallons, of each coating employed; and
 - c. the total volume, in gallons, of all of the coatings employed.
2. The permittee shall maintain daily records and document any time periods when the water wash system was not in service when this emissions unit was in operation.

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IV. **Reporting Requirements**

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that this emissions unit employs more than the applicable maximum daily usage limit. 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 45 days after the exceedance occurs.
2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record showing that the water wash system was 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.

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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 methods:
 - a. Emission Limitation - less than or equal to 3 gallons per day of coating usage

Applicable Compliance Method - Compliance shall be based upon the record keeping specified in section A.III.1.
 - b. Emission Limitation - 0.551 lb/hr of particulate emissions

Applicable Compliance Method - To determine the actual worst case particulate emissions rate, the following equation shall be used:

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

E = particulate emissions rate (lbs/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 = fractional control efficiency of the control equipment

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

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

Applicable Compliance Method -
If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1318451029 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. 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: 1318451029 Emissions Unit ID: K004 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>
metal assembly adhesive application lines	OAC rule 3745-21-09(U)(1)(d)	3.5 lbs of VOC/gallon of coating, excluding water and exempt solvents
		See Section A.VI.1.

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

- 1. Each coating employed in this emissions unit shall comply with the VOC content limitation specified above.

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

- 1. The permittee shall collect and record the following information each month for the lines:
 - 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.

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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. 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.

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V. **Testing Requirements**

1. Compliance with the emission limitation in Section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation -
3.5 lbs of VOC/gallon of coating, excluding water and exempt solvents

Applicable Compliance Method -
Compliance shall be based upon the record keeping requirements in Section A.III.1. USEPA Method 24 shall be used to determine the VOC contents of the coatings.

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VI. **Miscellaneous Requirements**

1. The adhesive coatings are high-solids, caulk-like, materials applied directly to the metal parts. There is no coating overspray and, therefore, no particulate emissions resulting from the operation of this emissions unit.

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Facility ID: 1318451029 Emissions Unit ID: K004 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