

Facility ID: 1431260890 Issuance type: Title V Draft 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

None None

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b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

B049 Gas Fired Asphalt Heater
T001 Asphalt Storage Tank No. 88
T002 Asphalt Storage Tank No. 80
T003 Asphalt Storage Tank No. 86
T004 Asphalt Storage Tank No. 87

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 F001](#)
- [Go to Part III for Emissions Unit P038](#)
- [Go to Part III for Emissions Unit P039](#)
- [Go to Part III for Emissions Unit P901](#)
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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1431260890 Emissions Unit ID: B051 Issuance type: Title V Draft 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>
17 MMBtu/hr Natural Gas-Fired Boiler	OAC rule 3745-17-07(A)(1)	Visible particulate emissions shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-10(B)(1)	0.020 lb PM/MMBtu of actual heat input
	40 CFR, Part 60, Subpart Dc (PTI 14-4523)	The emission limitations/control measures required under 40 CFR, Part 60, Subpart Dc are the same as or less stringent than those established under OAC rules 3745-17-07(A)(1) and 3745-17-10(B)(1).
	OAC rule 3745-18-06(A)	See A.II.1.

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

1. The permittee shall burn only natural gas as a fuel in this emissions unit, and such gas shall have a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet.

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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 that has a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet, 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 that has a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet 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 limits for visible emissions as established in OAC rule 3745-17-07(A)(1) shall be demonstrated by methods specified in OAC rule 3745-17-03(B)(1).
2. Compliance with the particulate emission limitation of 0.020 lb PM per MMBtu of actual heat input specified in OAC rule 3745-17-10(B)(1) shall be demonstrated by using the AP-42 (Table 1.4-1, Fifth Edition) emission factor for natural gas (6.2 lbs PM/million cubic feet).

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VI. **Miscellaneous Requirements**

None

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Facility ID: 1431260890 Emissions Unit ID: B051 Issuance type: Title V Draft 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>
17 MMBtu/hr Natural Gas-Fired Boiler	OAC rule 3745-31-05 (PTI 14-4523)	See B.I.2.a. and B.I.2.b.

2. **Additional Terms and Conditions**

- a. The annual emissions from this emissions unit shall not exceed the following:

1.
 - 10.4 tons of nitrogen oxides (NOx) per year;
 - 2.6 tons of carbon monoxide (CO) per year;
 - 0.04 ton of sulfur dioxide (SO2) per year;
 - 1.0 ton of particulate matter (PM) per year;
 - 1.0 ton of particulate matter less than 10 microns in diameter (PM10); and
 - 0.4 ton of organic compounds (OC) per year.

The tons per year emission limits are based on the emissions unit's potential to emit. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with these limits.

- b. The emissions from this emissions unit shall not exceed the following:

- 0.14 pound of NOx per million Btu of actual heat input;
- 0.035 pound of CO per million Btu of actual heat input;
- 0.001 pound of SO2 per million Btu of actual heat input;
- 0.014 pound of PM per million Btu of actual heat input;
- 0.014 pound of PM10 per million Btu of actual heat input; and
- 0.01 pound of OC per million Btu of actual heat input.

The lb/MMBtu emission limits are based on the emissions unit's potential to emit. Therefore, no record keeping, reporting, or compliance method calculations are required to demonstrate compliance with these limits.

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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: 1431260890 Emissions Unit ID: F001 Issuance type: Title V Draft 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>
paved roadways and parking areas (see Section A.2.a)	OAC rule 3745-17-07 (B)(4)	no visible particulate emissions except for 6 minutes during any 60-minute period.
	OAC rule 3745-17-08 (B), (B)(8), (B)(9)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, and A.2.e through A.2.i).
unpaved roadways and parking areas (see Section A.2.b)	OAC rule 3745-17-07 (B)(5)	no visible particulate emissions except for 13 minutes during any 60-minute period.
	OAC rule 3745-17-08 (B), (B)(2)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.i).

2. **Additional Terms and Conditions**

- a. The paved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

- (a)

paved roadways:

All roadways

paved parking areas:

All areas

- b. The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:
- unpaved roadways:
- All roadways
- unpaved parking areas:
- All areas
- c. The permittee shall employ reasonably available control measures on all paved roadways and parking areas 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 treat the paved roadways and parking areas by flushing and sweeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas 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 treat the unpaved roadways and parking areas with gravel and dust suppressants at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- f. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- g. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- h. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- i. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-17-08.

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II. Operational Restrictions

None

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III. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

paved roadways and parking areas minimum inspection frequency

All roadways and areas Daily

unpaved roadways and parking areas minimum inspection frequency

All roadways and areas Daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
3. The permittee may, upon receipt of written approval from the Hamilton County Department of Environmental Services, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

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V. Testing Requirements

1. Compliance with the emission limitation for the paved and unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 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, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.
2. Compliance with the requirement of employing reasonably available control measures shall be determined by the methods outlined in OAC rule 3745-17-08(C).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1431260890 Emissions Unit ID: F001 Issuance type: Title V Draft 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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paved roadways and parking areas
 unpaved roadways and parking areas

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: 1431260890 Emissions Unit ID: P038 Issuance type: Title V Draft 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>
Granule Unloading	OAC rule 3745-17-07(B)(1)	Fugitive visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, except as provided by rule.
	OAC rule 3745-17-08(B)	Reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust are required. (No control measures have been identified as being reasonably available for this emissions unit.)
Granule Handling & Distribution with Baghouses (No. 5, No. 6, and No. 11) (emissions from baghouses)	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)	Total combined particulate emissions from all stacks shall not exceed 32.5 lbs PM/hr (based on Table I).

2. **Additional Terms and Conditions**

- (a) None

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- II. **Operational Restrictions**

1. The pressure drops across No. 5, No. 6, and No. 11 baghouses controlling this emissions unit shall each be maintained within the range of 1-6 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across each baghouse 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 each baghouse on a daily basis.
2. The permittee shall perform preventative maintenance inspections of the control equipment for this emissions unit on a weekly basis. The permittee shall keep a log of such preventative maintenance inspections. This log, at a minimum, shall consist of the date of the inspection, the results of the inspection, and any preventative or corrective action taken as a result of the inspection.
3. 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 stacks serving this emissions unit and for any visible fugitive particulate emissions. 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 abnormal visible emission incident; and
 - e. any corrective actions taken to eliminate the abnormal visible emissions.

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- IV. **Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions from the stacks serving this emissions unit or any visible fugitive particulate emissions were observed and (b) describe any corrective actions taken to eliminate any abnormal visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

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- V. **Testing Requirements**

1. Compliance with the visible particulate emissions limitation in OAC rule 3745-17-07(A)(1) in Section A.I.1. of

these terms and conditions shall be demonstrated by the method outlined in OAC 3745-17-03(B)(1).

2. Compliance with the fugitive visible particulate emissions limitation in OAC rule 3745-17-07(B)(1) in Section A.I.1. of these terms and conditions shall be demonstrated by the method outlined in OAC rule 3745-17-03 (B)(3).
3. Compliance with the requirement of employing reasonably available control measures shall be determined by the methods outlined in OAC rule 3745-17-08(C).
4. Compliance with the PM emission limit for granule handling and distribution shall be demonstrated by applying the AP-42 emission factor for transfer and conveying (Table 11.17-4, Fifth Edition), and the baghouse control efficiency (CE) of 99 percent, using the following equation:

$$\text{Actual usage rate (tons of granule processed/hr) x emission factor (2.2 lbs PM/ton of granule processed) x [1 - (CE/100\%)] = lbs PM/hr.}$$

If testing is required to demonstrate compliance with the allowable emission limitation of 32.5 lbs PM/hr, Method 5 of 40 CFR, Part 60, Appendix A shall be used.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1431260890 Emissions Unit ID: P038 Issuance type: Title V Draft 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>
Grain Unloading		
Granule Handling & Distribution with Baghouses (No. 5, No. 6, and No. 11) (emissions from baghouses)		

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: 1431260890 Issuance type: Title V Draft Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 1431260890 Emissions Unit ID: P039 Issuance type: Title V Draft 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>
Backing Material Unloading	OAC rule 3745-17-07(B)(1)	Fugitive visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, except as provided by rule.
	OAC rule 3745-17-08(B)	Reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust are required. (No control measures have been identified as being reasonably available for this emissions unit.)
Backing material handling & distribution with Baghouses (No. 11 and No. 13) (emissions from baghouses)	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)	Total combined particulate emissions from all stacks shall not exceed 45.8 lbs PM/hr (based on Table I).

2. Additional Terms and Conditions

- (a) None

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II. Operational Restrictions

- 1. The pressure drops across the No. 11 and No. 13 baghouses controlling this emissions unit shall each be maintained within the range of 1-6 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse 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 each baghouse on a daily basis.

2. The permittee shall perform preventative maintenance inspections of the control equipment for this emissions unit on a weekly basis. The permittee shall keep a log of such preventative maintenance inspections. This log, at a minimum, shall consist of the date of the inspection, the results of the inspection, and any preventative or corrective action taken as a result of the inspection.
3. 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 stacks serving this emissions unit and for any visible fugitive particulate emissions. 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 abnormal visible emission incident; and
 - e. any corrective actions taken to eliminate the abnormal visible emissions.

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IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions from the stacks serving this emissions unit or any visible fugitive particulate emissions were observed and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance with the visible particulate emissions limitation in OAC rule 3745-17-07(A)(1) in Section A.1.1. of these terms and conditions shall be demonstrated by the method outlined in OAC rule 3745-17-03(B)(1).
2. Compliance with the fugitive visible particulate emissions limitation in OAC rule 3745-17-07(B)(1) in Section A.1.1. of these terms and conditions shall be demonstrated by the method outlined in OAC rule 3745-17-03(B)(3).
3. Compliance with the requirement of employing reasonably available control measures shall be determined by the methods outlined in OAC rule 3745-17-08(C).
4. Compliance with the PM emission limit for granule handling and distribution shall be demonstrated by applying the AP-42 emission factor for transfer and conveying (Table 11.17-4, Fifth Edition), and the baghouse control efficiency (CE) of 99 percent, using the following equation:

$$\text{Actual usage rate (tons of granule processed/hr)} \times \text{emission factor (2.2 lbs PM/ton granule processed)} \times [1 - (\text{CE}/100\%)] = \text{lbs PM/hr.}$$

If testing is required to demonstrate compliance with the allowable emission limitation of 45.8 lbs PM/hr, Method 5 of 40 CFR, Part 60, Appendix A shall be used.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1431260890 Emissions Unit ID: P039 Issuance type: Title V Draft 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>
Backing Material Unloading		
Backing Material Handling & Distribution with Baghouses (No. 11 and No. 13) (emissions from baghouses)		

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: 1431260890 Emissions Unit ID: P901 Issuance type: Title V Draft 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.

control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
No. 1 Shingle Line with Baghouses (No. 1 and No. 11) (emissions from baghouses)	40 CFR, Part 60, Subpart UU	See A.I.2.a.
	OAC rule 3745-17-07(A)(1)	The opacity restrictions established by this rule are less stringent than that established by 40 CFR, Part 60, Subpart UU.
	OAC rule 3745-17-11(B)	The emission limitation established in OAC rule 3745-17-11 is less stringent than that established in 40 CFR, Part 60, Subpart UU.
Fugitive dust emissions from No. 1 Shingle Line	OAC rule 3745-17-07(B)(1)	Fugitive visible particulate emissions shall not exceed 20% opacity, as a three-minute average, except as provided by rule.
	OAC rule 3745-17-08(B)	Reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust are required. (No control measures have been identified as being reasonably available for this emissions unit.)

2. Additional Terms and Conditions

- a. Emissions of particulate matter from the saturator shall not exceed 0.04 kilogram per megagram of asphalt shingle or mineral-surfaced roll roofing produced.
- b. Visible emissions from the saturator shall not exceed 20 percent opacity.

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II. Operational Restrictions

- 1. The pressure drops across baghouses No. 1 and No.11 shall each be maintained within the range of 1-6 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across each baghouse 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 each baghouse on daily basis.
- 2. The permittee shall perform preventative maintenance inspections of the control equipment for this emissions unit on a weekly basis. The permittee shall keep a log of such preventative maintenance inspections. This log, at a minimum, shall consist of the date of the inspection, the results of the inspection, and any preventative or corrective action taken as a result of the inspection.
- 3. 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 stacks serving this emissions unit and for any visible fugitive particulate emissions. 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 abnormal visible emission incident; and
 - e. any corrective actions taken to eliminate the abnormal visible emissions.

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IV. Reporting Requirements

- 1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.
- 2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit or any visible fugitive particulate emissions and (b) describe any corrective actions taken to eliminate any abnormal visible emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

1. Compliance with the visible particulate emissions limitation in OAC rule 3745-17-07(A)(1) in Section A.I.1. of these terms and conditions shall be demonstrated by the method outlined in OAC rule 3745-17-03(B)(1).
2. Compliance with the fugitive visible particulate emissions limitation in OAC rule 3745-17-07(B)(1) in Section A.I.1. of these terms and conditions shall be demonstrated by the method outlined in OAC 3745-17-03(B)(3).
3. Compliance with the visible particulate emissions limitation in 40 CFR, Part 60, Subpart UU, in Section A.I.2.b. of these terms and conditions shall be demonstrated by Method 9 of 40 CFR, Part 60, Appendix A.
4. Compliance with the requirement of employing reasonably available control measures shall be determined by the methods outlined in OAC rule 3745-17-08(C).
5. 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 3 months after issuance of this permit and within 6 months prior to expiration of the permit;
 - b. the emission testing shall be conducted to demonstrate compliance with the allowable mass emissions rate for PM specified in A.I.2.a.;
 - c. the following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 5A of 40 CFR, Part 60, Appendix A and 40 CFR, Part 60.474.; and
 - 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 Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. 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 Hamilton County Department of Environmental Services' refusal to accept the results of the emission test(s). Personnel from the Hamilton County Department of Environmental Services 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 emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services 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 Hamilton County Department of Environmental Services.
6. Compliance with the particulate matter emissions limitation in A.I.2.a. shall be determined by testing pursuant to Method 5A of 40 CFR, Part 60, Appendix A and 40 CFR, Part 60.474.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1431260890 Emissions Unit ID: P901 Issuance type: Title V Draft 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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No. 1 Shingle Line with Baghouses (No. 1 and No. 11) (emissions from baghouses)	OAC rule 3745-31-05 (PTI 14-3995)	0.0248 lb PM/ ton of product 0.0248 lb PM10/ ton of product 2.39 lbs/hr* of PM 0.385 lb/hr* of OC 0.385 lb/hr* of CO
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* The hourly emission limits are based on the emissions unit's potential to emit. Therefore, no hourly recordkeeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limit.

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: 1431260890 Emissions Unit ID: P902 Issuance type: Title V Draft 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>
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No. 2 Roll Line with Baghouses (No. 4 and No. 5) (emissions from baghouses)	40 CFR, Part 60, Subpart UU OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)	See A.I.2.a. The opacity restrictions established by this rule are less stringent than that established by 40 CFR, Part 60, Subpart UU. The emission limitation established in OAC rule 3745-17-11(B) is less stringent than that established in 40 CFR, Part 60, Subpart UU.
Fugitive dust emissions from No. 2 Roll Line	OAC rule 3745-17-07(B)(1) OAC 3745-17-08(B)	Fugitive visible particulate emissions shall not exceed 20% opacity, as a three-minute average, except as provided by rule. Reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust are required. (No control measures have been identified as being reasonably available for this emissions unit.)

2. Additional Terms and Conditions

- a. Emissions of particulate matter from the saturator shall not exceed 0.04 kilogram per megagram of asphalt shingle or mineral-surfaced roll roofing produced.
- b. Visible emissions from the saturator shall not exceed 20 percent opacity.

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II. Operational Restrictions

- 1. The pressure drops across baghouses No. 4 and No. 5 shall each be maintained within the range of 1-6 inches of water while each emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across each baghouse 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 each baghouse on daily basis.
- 2. The permittee shall perform preventative maintenance inspections of the control equipment for this emissions unit on a weekly basis. The permittee shall keep a log of such preventative maintenance inspections. This log, at a minimum, shall consist of the date of the inspection, the results of the inspection, and any preventative or corrective action taken as a result of the inspection.
- 3. 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 stacks serving this emissions unit and for any visible fugitive particulate emissions. 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 abnormal visible emission incident; and
 - e. any corrective actions taken to eliminate the abnormal visible emissions.

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IV. Reporting Requirements

- 1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drops across each baghouse did not comply with the allowable range specified above.
- 2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit or any visible fugitive particulate emissions and (b) describe any corrective actions taken to eliminate any abnormal visible emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. Testing Requirements

- 1. Compliance with the visible particulate emissions limitation in OAC rule 3745-17-07(A)(1) in Section A.I.1. of these terms and conditions shall be demonstrated by the method outlined in OAC rule 3745-17-03(B)(1).

2. Compliance with the fugitive visible particulate emissions limitation in OAC rule 3745-17-07(B)(1) in Section A.1.1. of these terms and conditions shall be demonstrated by the method outlined in OAC rule 3745-17-03 (B)(3).
3. Compliance with the visible particulate emissions limitation in 40 CFR, Part 60, Subpart UU, in Section A.1.2.b. of these terms and conditions shall be demonstrated by Method 9 of 40 CFR, Part 60, Appendix A.
4. Compliance with the requirements of employing reasonably available control measures shall be determined by the methods outlined in OAC rule 3745-17-08(C).
5. 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 3 months after issuance of this permit and within 6 months prior to expiration of the permit;
 - b. the emission testing shall be conducted to demonstrate compliance with the allowable mass emissions rate for PM specified in A.1.2.a.;
 - c. the following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 5A of 40 CFR, Part 60, Appendix A and 40 CFR, Part 60.474.; and
 - 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 Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. 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 Hamilton County Department of Environmental Services' refusal to accept the results of the emission test(s). Personnel from the Hamilton County Department of Environmental Services 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 emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services 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 Hamilton County Department of Environmental Services.
6. Compliance with the particulate matter emissions limitation in A.1.2.a. shall be determined by testing pursuant to Method 5A of 40 CFR, Part 60, Appendix A and 40 CFR, Part 60.474.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1431260890 Emissions Unit ID: P902 Issuance type: Title V Draft 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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No. 2 Roll Line with Baghouses (No. 4 and No. 5)		
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- (emissions from baghouses)
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: 1431260890 Emissions Unit ID: P904 Issuance type: Title V Draft 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>
Stonedust Handling System with Baghouses (No. 7, No. 8, No. 9, No. 10, and No. 14) (emissions from baghouses)	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC rule 3745-17-11(B)	Total combined particulate emissions from all stacks shall not exceed 40.3 lbs PM/hr (based on Table I).
Fugitive dust emissions from stone handling	OAC rule 3745-17-07(B)(1)	Fugitive visible particulate emissions shall not exceed 20% opacity, as a three-minute average, except as provided by rule.
	OAC rule 3745-17-08(B)	Reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust

are required. (No control measures have been identified as being reasonably available for this emissions unit.)

2. **Additional Terms and Conditions**

- (a) None

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II. **Operational Restrictions**

1. The pressure drops across No. 7, No. 8, No. 9, No. 10, and No. 14 baghouses shall each be maintained within the range of 1-6 inches of water while the emissions unit is in operation.

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

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across each baghouse 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 each baghouse on a daily basis.
2. The permittee shall perform preventative maintenance inspections of the control equipment for this emissions unit on a weekly basis. The permittee shall keep a log of such preventative maintenance inspections. This log, at a minimum, shall consist of the date of the inspection, the results of the inspection, and any preventative or corrective action taken as a result of the inspection.
3. 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 stacks serving this emissions unit and for any visible fugitive particulate emissions. 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 abnormal visible emission incident; and
 - e. any corrective actions taken to eliminate the abnormal visible emissions.

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IV. **Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse did not comply with the allowable range specified above.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions from the stack serving this emissions unit or any visible fugitive particulate emissions were observed and (b) describe any corrective actions taken to eliminate any abnormal visible emissions. These reports shall be submitted to the Hamilton County Department of Environmental Services by January 31 and July 31 of each year and shall cover the previous 6-month period.

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V. **Testing Requirements**

1. Compliance with the visible particulate emissions limitation in OAC rule 3745-17-07(A)(1) in Section A.1.1. of these terms and conditions shall be demonstrated by the method outlined in OAC rule 3745-17-03(B)(1).
2. Compliance with the fugitive visible particulate emissions limitation in OAC rule 3745-17-07(B)(1) in Section A.1.1. of these terms and conditions shall be demonstrated by the method outlined in OAC rule 3745-17-03(B)(3).
3. Compliance with the requirement of employing reasonably available control measures shall be determined by the methods outlined in OAC rule 3745-17-08(C).
4. Compliance with the PM emission limit for stonedust handling shall be demonstrated by applying the AP-42 emission factor for transfer and conveying (Table 11.17-4, Fifth Edition), and the baghouse control efficiency (CE) of 99 percent, using the following equation:

$$\text{Actual usage rate (tons of stonedust handled/hr)} \times \text{emission factor (2.2 lbs PM/ton of stonedust handled)} \times [1 - (\text{CE}/100\%)] = \text{lbs PM /hr}$$

If testing is required to demonstrate compliance with the allowable emission limitation of 1.9 lbs PM/hr or 40.3 lbs PM/hr, Method 5 of 40 CFR, Part 60, Appendix A shall be used and the hourly PM emission rate shall be multiplied by the number of days of operation during the calendar year to obtain the annual PM emission rate.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1431260890 Emissions Unit ID: P904 Issuance type: Title V Draft 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>
Stonedust Handling System with Baghouses (No. 7, No. 8, No. 9, No. 10, and No. 14) (emissions from baghouses)	OAC rule 3745-31-05 (PTI 14-778)	1.9 lbs PM/hr 5.11 TPY of PM

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. See A.V.4.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1431260890 Emissions Unit ID: Z002 Issuance type: Title V Draft 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>
Backing Material Storage with Baghouse No. 11 and No. 13	OAC rule 3745-17-07(B)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(1)	45.8 LBS/HR based on Table I

2. **Additional Terms and Conditions**
 - a.

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II. Operational Restrictions

1. The pressure drop across baghouse No. 11 shall be maintained within the range of 2-4 inches of water while the emissions unit is in operation.
2. The pressure drop across baghouse No. 13 shall be maintained within the range of 2-4 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse 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 baghouse on a daily basis.

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IV. Reporting Requirements

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

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V. Testing Requirements

1. Compliance with the visible particulate emissions limit in section A.I.1. of these terms and conditions shall be demonstrated by the methods outlined in OAC rule 3745-17-03(B)(1).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1431260890 Emissions Unit ID: Z002 Issuance type: Title V Draft 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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Backing Material Storage with Baghouse No. 11 and No. 13		
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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