

Facility ID: 0855800457 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Facility ID: 0855800457 Emissions Unit ID: F007 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
primary jaw crusher, 15 x 36 Pioneer	OAC rule 3745-31-05 (PTI 08-3754)	0.21 lb/hr of particulates 0.07 tpy of particulates
		See A.2.a below.
	40 CFR Part 60, Subpart OOO	15% opacity as a 6-minute average
	OAC rule 3745-17-11(B)	See A.2.c below.

2. Additional Terms and Conditions

- (a) The 0.21 lb/hr particulate emissions limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
The sand and aggregate processed through the primary crusher shall have a moisture content sufficient to minimize visible emissions of fugitive dust so that compliance with the opacity requirement specified above is continuously maintained.
The particulate emissions limitation required by OAC rule 3745-17-11 is less stringent than the particulate emissions limitation established by the best available technology requirements specified in OAC rule 3745-31-05.

B. Operational Restrictions

1. The maximum annual production rate for this facility shall not exceed 200,000 tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced at this facility.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for this facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

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

0.21 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hr by the AP-42 emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.
Emission Limitation:

0.07 tpy of particulates

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements in section C.1, summing the 12 monthly production records for the calendar year, and then multiplying the sum by the AP-42 emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2, and dividing by 2,000 lbs/ton.

Emission Limitation:

15% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675, Subpart OOO.

F. Miscellaneous Requirements

1. None

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Facility ID: 0855800457 Emissions Unit ID: F008 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
primary screening, 5 x 12 screen	OAC rule 3745-31-05 (PTI 08-3754)	0.53 lb/hr of particulates 0.18 tpy of particulates
		See A.2.a below.
	40 CFR Part 60, Subpart OOO	10% opacity as a 6-minute average
	OAC rule 3745-17-11(B)	See A.2.c below.

2. Additional Terms and Conditions

- (a) The 0.53 lb/hr particulate emissions limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
The sand and aggregate processed through the primary screen shall have a moisture content sufficient to minimize visible emissions of fugitive dust so that compliance with the opacity requirement specified above is continuously maintained.
The particulate emissions limitation required by OAC rule 3745-17-11 is less stringent than the particulate emissions limitation established by the best available technology requirements specified in OAC rule 3745-31-05.

B. Operational Restrictions

1. The maximum annual production rate for this facility shall not exceed 200,000 tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced at this facility.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for this facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

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

Emission Limitation:

0.53 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hr by the AP-42 emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

0.18 tpy of particulates

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements in section C.1, summing the 12 monthly production records for the calendar year, and then multiplying the sum by the AP-42 emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2, and dividing by 2,000 lbs/ton.

Emission Limitation:

10% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675, Subpart OOO.

F. Miscellaneous Requirements

1. None

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Facility ID: 0855800457 Emissions Unit ID: F009 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

(a) None.

2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

(a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
secondary jaw crusher, 10 x 36 Lippman	OAC rule 3745-31-05 (PTI 08-3754)	0.37 lb/hr of particulates 0.12 tpy of particulates
		See A.2.a below.
	40 CFR Part 60, Subpart OOO	15% opacity as a 6-minute average
	OAC rule 3745-17-11(B)	See A.2.c below.

2. **Additional Terms and Conditions**

- (a) The 0.37 lb/hr particulate emissions limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
The sand and aggregate processed through the secondary crusher shall have a moisture content sufficient to minimize visible emissions of fugitive dust so that compliance with the opacity requirement specified above is continuously maintained.
The particulate emissions limitation required by OAC rule 3745-17-11 is less stringent than the particulate emissions limitation established by the best available technology requirements specified in OAC rule 3745-31-05.
- B. Operational Restrictions**
1. The maximum annual production rate for this facility shall not exceed 200,000 tons.
- C. Monitoring and/or Record Keeping Requirements**
1. The permittee shall maintain monthly records of the total aggregate materials produced at this facility.
- D. Reporting Requirements**
1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for this facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
- E. Testing Requirements**
1. Compliance with the emission limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:
0.37 lb/hr of particulates
Applicable Compliance Method:
Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hr by the AP-42 emission factor of 0.00124 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.
Emission Limitation:
0.12 tpy of particulates
Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements in section C.1, summing the 12 monthly production records for the calendar year, and then multiplying the sum by the AP-42 emission factor of 0.00124 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2, and dividing by 2,000 lbs/ton.
Emission Limitation:
15% opacity, as a 6-minute average
Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675, Subpart OOO.
- F. Miscellaneous Requirements**
1. None

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Facility ID: 0855800457 Emissions Unit ID: F010 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
- (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
- (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
secondary screening, 4 x 12 screen	OAC rule 3745-31-05 (PTI 08-3754)	0.53 lb/hr of particulates 0.18 tpy of particulates See A.2.a below.
	40 CFR Part 60, Subpart OOO	10% opacity as a 6-minute average
	OAC rule 3745-17-11(B)	See A.2.c below.

2. Additional Terms and Conditions

- (a) The 0.53 lb/hr particulate emissions limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit. The sand and aggregate processed through the primary screen shall have a moisture content sufficient to minimize visible emissions of fugitive dust so that compliance with the opacity requirement specified above is continuously maintained. The particulate emissions limitation required by OAC rule 3745-17-11 is less stringent than the particulate emissions limitation established by the best available technology requirements specified in OAC rule 3745-31-05.

B. Operational Restrictions

- 1. The maximum annual production rate for this facility shall not exceed 200,000 tons.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall maintain monthly records of the total aggregate materials produced at this facility.

D. Reporting Requirements

- 1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for this facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

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

Emission Limitation:

0.53 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hr by the AP-42 emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

0.18 tpy of particulates

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements in section C.1, summing the 12 monthly production records for the calendar year, and then multiplying the sum by the AP-42 emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2, and dividing by 2,000 lbs/ton.

Emission Limitation:

10% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675, Subpart OOO.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0855800457 Emissions Unit ID: F011 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
wash screens, 6 x 16 Fabtec	OAC rule 3745-31-05 (PTI 08-3754)	0.53 lb/hr of particulates 0.18 tpy of particulates See A.2.a below.
	40 CFR Part 60, Subpart OOO	no visible emissions
	OAC rule 3745-17-11(B)	See A.2.c below.

2. Additional Terms and Conditions

- (a) The 0.53 lb/hr particulate emissions limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
The sand and aggregate processed through the wash screens shall have a moisture content sufficient to minimize visible emissions of fugitive dust so that compliance with the opacity requirement specified above is continuously maintained.
The particulate emissions limitation required by OAC rule 3745-17-11 is less stringent than the particulate emissions limitation established by the best available technology requirements specified in OAC rule 3745-31-05.

B. Operational Restrictions

1. The maximum annual production rate for this facility shall not exceed 200,000 tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced at this facility.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for this facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

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

Emission Limitation:

0.53 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hr by the AP-42 emission factor of 0.001764 lb/ton, as specified in U.S. EPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

0.18 tpy of particulates

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements in section C.1, summing the 12 monthly production records for the calendar year, and then multiplying the sum by the AP-42 emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2, and dividing by 2,000 lbs/ton.

Emission Limitation:

no visible emissions

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 22 and 40 CFR 60.675, Subpart OOO.

F. Miscellaneous Requirements

1. None

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Facility ID: 0855800457 Emissions Unit ID: F012 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
materials handling, conveyors and transfer points	OAC rule 3745-31-05 (PTI 08-3754)	0.03 lb/hr of particulates 0.01 ton/yr of particulates See A.2.a below.
	40 CFR Part 60, Subpart OOO	10% opacity as a 6-minute average, from any transfer point
	OAC rule 3745-17-11(B)	See A.2.c below.

2. Additional Terms and Conditions

- (a) The 0.03 lb/hr particulate emissions limitation was established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
The sand and aggregate processed through the conveyors and transfer points shall have a moisture content sufficient to minimize visible emissions of fugitive dust so that compliance with the opacity requirement specified above is continuously maintained.
The particulate emissions limitation required by OAC rule 3745-17-11 is less stringent than the particulate emissions limitation established by the best available technology requirements specified in OAC rule 3745-31-05.

B. Operational Restrictions

1. The maximum annual production rate for this facility shall not exceed 200,000 tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the total aggregate materials produced at this facility.

D. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for this facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

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

0.03 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production rate of 300 tons/hr by the AP-42 emission factor of 0.0001 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.
Emission Limitation:

0.01 tpy of particulates

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements in section C.1, summing the 12 monthly production records for the calendar year, and then multiplying the sum by the AP-42 emission factor of 0.0001 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2, and dividing by 2,000 lbs/ton.

Emission Limitation:

10% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675, Subpart OOO.

F. Miscellaneous Requirements

1. None