

Facility ID: 0857043027 Issuance type: Final State Permit To Operate

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

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

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

- [Go to Part II for Emissions Unit B001](#)
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Facility ID: 0857043027 Emissions Unit ID: B001 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>
1.727 mmBtu/hr diesel generator; portable emissions unit	OAC rule 3745-31-05(A)(3) PTI 08-04400	5.53 lbs/hr and 24.22 tons/yr Nitrogen Oxides; (NOx)  1.47 lbs/hr and 6.44 tons/yr Carbon Monoxide; (CO)  0.16 lb/hr and 0.70 ton/yr Organic Compounds; (OC)  3.77 tons/yr Sulfur Dioxide; (SO2)  0.48 ton/yr Particulate emissions (PM)  The requirements of this rule also include compliance with the requirements of OAC rule 3745-18-06 (G) and 3745-17-11 (B)(5)(b).  10% opacity, as a 6-minute average  Sulfur dioxide emissions shall not exceed 0.5 lbs SO2/mmBtu of actual heat input.  Particulate emissions shall not exceed 0.062 lb particulate/mmBtu of actual heat input.
	OAC rule 3745-18-06 (G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11 (B)(5)(b)	
	OAC rule 3745-17-07(A)	

**2. Additional Terms and Conditions**

- (b) The hourly and annual emission limitations were 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 these limits.

**B. Operational Restrictions**

1. None
- C. Monitoring and/or Record Keeping Requirements**
1. For each day during which the permittee burns a fuel other than distillate fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in emissions unit B001.
- D. Reporting Requirements**
1. The permittee shall submit deviation (excursion) reports to the Director (the appropriate Ohio EPA District Office or local air agency) that identify each day when a fuel other than distillate fuel oil was burned in emission unit B001. The deviation reports shall be submitted in accordance with the General Terms & Conditions of this permit.
- E. Testing Requirements**
1. Compliance Method
 

Compliance with the emission limitations in this permit for emissions unit B001 shall be determined in accordance with the following method(s):

Emission Limitation-  
5.53 lbs/hr NOx

Applicable Compliance Method-  
Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition (10/96), Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 of 3.2 lb NOx/mmBtu multiplied by the maximum rated capacity of the diesel engine of 1.727 mmBtu/hr.

Emission Limitation-  
24.22 tons/yr NOx

Applicable Compliance Method-  
As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by the maximum annual operating schedule of 8,760 hours/year and then dividing by 2,000 lbs/ton).

Emission Limitation-  
1.47 lbs/hr CO

Applicable Compliance Method-  
Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition (10/96), Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 of 0.85 lb CO/mmBtu multiplied by the maximum rated capacity of the diesel engine of 1.727 mmBtu/hr.

Emission Limitation-  
6.44 tons/yr CO

Applicable Compliance Method-  
As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by the maximum annual operating schedule of 8,760 hours/year and then dividing by 2,000 lbs/ton).

Emission Limitation-  
0.5 lb/mmBtu SO2

Applicable Compliance Method-  
Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition, (10/96), Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 of 0.35 lb SO2/mmBtu. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 6 of 40 CFR Part 60, Appendix A.

Emission Limitation-  
3.77 tons/yr SO2

Applicable Compliance Method-  
As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by the maximum annual operating schedule of 8,760 hours/year and then dividing by 2,000 lbs/ton).

Emission Limitation-  
0.16 lb/hr OC

Applicable Compliance Method-  
Compliance shall be based upon the emission factor for diesel fuel engines given in AP-42, Fifth Edition (10/96), Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-1 of 0.09 lb OC/mmBtu multiplied by the maximum rated capacity of the diesel engine of 1.727 mmBtu/hr.

Emission Limitation-  
0.70 ton/yr OC

Applicable Compliance Method-  
As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by the maximum annual operating schedule of 8,760 hours/year and then dividing by 2,000 lbs/ton).

Emission Limitation-  
0.062 lb particulate/mmBtu actual heat input

Compliance shall be based on the emission factor for diesel fuel engines given in AP-42, Fifth Edition (10/96), Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 of 0.1 lb PM/mmBtu. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

Emission Limitation-  
0.48 ton/yr particulate emissions

Applicable Compliance Method-

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by the maximum annual operating schedule of 8,760 hours/year and then dividing by 2,000 lbs/ton)

Emission Limitation-  
10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance with the visible emission limitation is presumed through the use of diesel fuel. If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the tests and procedures specified in USEPA Reference Method 9.

**F. Miscellaneous Requirements**

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
  - b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
  - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of thirty days prior to the scheduled relocation; and
  - d. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
- OR

2. Under OAC rule 3745-31-05(F), portable or mobile emission sources may relocate to sites that have been preapproved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:

- a. the permittee has applied for and obtained a site approval for the new site from the Director;
- b. the site approval is current and effective;
- c. the permittee has complied with all of the conditions and restrictions contained in the site approval; and
- d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

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Facility ID: 0857043027 Emissions Unit ID: F001 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>
400 tons/hr portable primary crusher (32" x 40")	OAC rule 3745-31-05(A)(3) PTI 08-04400	0.28 lb/hr and 0.34 ton/yr particulate  15% opacity, as a 6-minute average

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1) and 3745-17-08(B) (See section A.2.b).

OAC rule 3745-17-07(B)(1)

The visible emission fugitive dust shall not exceed 20% opacity, as a 3-minute average (See section A.2.b).

OAC rule 3745-17-08(B)

Reasonably available control measures, (RACM). (See section A.2.b. and A.2.c.

2. **Additional Terms and Conditions**

- (a) The hourly emission 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 these limits.  
The rule is applicable only when the emission unit is located in an Appendix A area, as specified in OAC 3745-17-08.  
The aggregate materials processed through the primary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher, so that compliance with opacity requirements specified above is continuously maintained

B. **Operational Restrictions**

1. The maximum annual production rate for this facility shall not exceed 960,000 tons.

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

1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
2. The permittee shall conduct visible emission evaluations at a minimum annually or upon relocation of the emissions unit. The VE evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages and, if applicable, twenty 3-minute averages)

D. **Reporting Requirements**

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.

E. **Testing Requirements**

1. Compliance Method

Compliance with the emission limitations in this permit for emissions unit F001 shall be determined in accordance with the following methods:

Emission Limitation-  
0.28 lb/hr particulate

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

Emission Limitation-  
0.34 ton/yr particulate

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of 0.00070 lb/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.

Emission Limitation-  
15% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9.

Emission Limitation-  
20% opacity, as a 3-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.

F. **Miscellaneous Requirements**

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the

appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of thirty days prior to the scheduled relocation; and

- d. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
- OR
- 2. Under OAC rule 3745-31-05(F), portable or mobile emission sources may relocate to sites that have been preapproved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:
    - a. the permittee has applied for and obtained a site approval for the new site from the Director;
    - b. the site approval is current and effective;
    - c. the permittee has complied with all of the conditions and restrictions contained in the site approval; and
    - d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

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Facility ID: 0857043027 Emissions Unit ID: F002 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>
400 tons/hr portable secondary crusher (5048 Cedar Rapids Impact)	OAC rule 3745-31-05(A)(3) PTI 08-04400	0.496 lb/hr and 0.595 ton/yr particulate  The requirements of this rule also include compliance with the requirements of NSPS Subpart OOO.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1), 3745-17-08(B) (See section A.2.b)  15% opacity, as a 6-minute average
	NSPS 40 CFR Part 60, Subpart OOO  OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity as a 3- minute average. ( See section A.2.b.)  Reasonably available control measures (RACM). See section A.2.b and A.2.c.
	OAC rule 3745-17-08(B)	

- 2. **Additional Terms and Conditions**
  - (a) The hourly emission 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 these limits.

The rule is applicable only when the emission unit is located in an Appendix A area, as specified in OAC 3745-17-08.

The aggregate materials processed through the secondary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher so that compliance with opacity requirements specified above is continuously maintained

**B. Operational Restrictions**

1. The maximum annual production rate for this facility shall not exceed 960,000 tons.

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

1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
2. The permittee shall conduct visible emission evaluations at a minimum annually or upon relocation of the emissions unit. The VE evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages and, if applicable, twenty 3-minute averages)

**D. Reporting Requirements**

1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.

**E. Testing Requirements**

1. Compliance Method

Compliance with the emission limitations in this permit for emissions unit F002 shall be determined in accordance with the following method(s):

Emission Limitation-  
0.496 lb/hr particulate

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of (0.00059 PM-10/ton)(2.1)= 0.001239 lb PM/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

Emission Limitation-  
0.595 ton/yr particulate

Applicable Compliance Method-

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of (0.00059 PM-10/ton)(2.1)= 0.001239 lb PM/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.

Emission Limitation-  
15% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000.

Emission Limitation-  
20% opacity, as a 3-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.

**F. Miscellaneous Requirements**

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of thirty days prior to the scheduled relocation; and
- d. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

OR

2. Under OAC rule 3745-31-05(F), portable or mobile emission sources may relocate to sites that have been preapproved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:

- a. the permittee has applied for and obtained a site approval for the new site from the Director;
- b. the site approval is current and effective;
- c. the permittee has complied with all of the conditions and restrictions contained in the site approval; and
- d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

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Facility ID: 0857043027 Emissions Unit ID: F003 Issuance type: Final State Permit To Operate

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**Part II - Special Terms and Conditions**

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- 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>
400 tons/hr portable secondary screen (5' x 16' 3-D EI - Jay Screen)	OAC rule 3745-31-05(A)(3) PTI 08-04400	0.71 lb/hr and 0.85 ton/yr particulate  The requirements of this rule also include compliance with the requirements of NSPS Subpart 000.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1) and 3745-17-08(B) (See A.2.b).  10% opacity, as a 6-minute average.
	NSPS 40 CFR Part 60, Subpart 000	The visible emission fugitive dust shall not exceed 20% opacity, as a 3-minute average (See section A.2.b.)
	OAC rule 3745-17-07(B)(1)	Reasonably available control measures, (RACM) (See section A.2.b. and A.2.c).
	OAC rule 3745-17-08(B)	

- 2. **Additional Terms and Conditions**
  - (a) The hourly emission 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 rule is applicable only when the emission unit is located in an Appendix A area, as specified in OAC 3745-17-08. The aggregate materials processed through this secondary screen shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the screen, so that compliance with the opacity requirements specified above is continuously maintained.

**B. Operational Restrictions**

- 1. The maximum annual production rate for this facility shall not exceed 960,000 tons.

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

- 1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
- 2. The permittee shall conduct visible emission evaluations at a minimum annually or upon relocation of the

emissions unit. The VE evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages and, if applicable, twenty 3-minute averages)

**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.
2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.

**E. Testing Requirements**

1. Compliance Method

Compliance with the emission limitations in this permit for emissions unit F003 shall be determined in accordance with the following method(s):

Emission Limitation-  
0.71 lb/hr particulate

Applicable Compliance Method-

Compliance shall be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of (0.00084 PM-10/ton)(2.1)= 0.001764 lb PM/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).

Emission Limitation-  
0.85 tons/yr particulate

Applicable Compliance Method

Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of (0.00084 PM-10/ton)(2.1)= 0.001764 lb PM/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.

Emission Limitation-  
10% opacity, as a 6-minute average

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000.

Emission Limitation-  
20% opacity, as a 3-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.

**F. Miscellaneous Requirements**

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
  - b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
  - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of thirty days prior to the scheduled relocation; and
  - d. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.  
OR
2. Under OAC rule 3745-31-05(F), portable or mobile emission sources may relocate to sites that have been preapproved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:
- a. the permittee has applied for and obtained a site approval for the new site from the Director;
  - b. the site approval is current and effective;
  - c. the permittee has complied with all of the conditions and restrictions contained in the site approval; and
  - d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

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

Facility ID: 0857043027 Emissions Unit ID: F004 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>
Conveying Operations portable; 12 conveyors, 1 feeder and 3 stackers	OAC rule 3745-31-05(A)(3) PTI 08-04400	0.65 lb/hr and 0.77 ton/yr particulate  The requirements of this rule also include compliance with the requirements of NSPS Subpart OOO  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1) and 3745-17-08(B) (See A.2.b).  10% opacity, as a 6-minute average.
	NSPS 40 CFR Part 60, Subpart OOO  OAC rule 3745-17-07(B)(1)	The visible emissions of fugitive dust shall not exceed 20% opacity as a 3- minute average. (See section A.2.b.)  Reasonably available control measures (RACM). (See section A.2.b and A.2.c.)
	OAC rule 3745-17-08(B)	

**2. Additional Terms and Conditions**

- (a) The hourly emission 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 rule is applicable only when the emission unit is located in an Appendix A area, as specified in OAC 3745-17-08. The aggregate materials processed through these conveyors shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyors and transfer points, so that compliance with the opacity requirement(s) specified above is continuously maintained.

**B. Operational Restrictions**

1. The maximum annual production rate for this facility shall not exceed 960,000 tons.

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

1. The permittee shall maintain monthly records of the total aggregate materials produced in 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 Method  
  
Compliance with the emission limitations in this permit for emissions unit F004 shall be determined in accordance with the following method(s):  
Emission Limitation-  
0.65 lb/hr particulate  
  
Applicable Compliance Method-  
Compliance shall be determined by multiplying the maximum hourly production rates of 400 tons/hour for each piece of equipment by the emission factor of (0.000048 PM-10/ton)(2.1)= 0.0001008 lb PM/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates for each piece of

equipment.

Emission Limitation-  
0.77 ton/yr particulate

Applicable Compliance Method-  
Compliance shall be based upon the record keeping specified in section C.1., multiplying the 12- monthly production records for the calendar year for each piece of equipment by the emission factor of (0.000048 PM-10/ton)(2.1)= 0.0001008 lb PM/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates for each piece of equipment.

Emission Limitation-  
10% opacity, as a 6-minute average

Applicable Compliance Method-  
Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.

Emission Limitation-  
20% opacity, as a 3-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.

**F. Miscellaneous Requirements**

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of thirty days prior to the scheduled relocation; and
- d. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.  
OR

2. Under OAC rule 3745-31-05(F), portable or mobile emission sources may relocate to sites that have been preapproved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:

- a. the permittee has applied for and obtained a site approval for the new site from the Director;
- b. the site approval is current and effective;
- c. the permittee has complied with all of the conditions and restrictions contained in the site approval; and
- d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

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Facility ID: 0857043027 Emissions Unit ID: F005 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>
400 tons/hr portable tertiary screen (6' x 16' 3-D El - Jay Screen)	OAC rule 3745-31-05(A)(3) PTI 08-04400	0.71 lb/hr and 0.85 ton/yr particulate  The requirements of this rule also include compliance with the requirements of NSPS Subpart 000.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1) and 3745-17-08(B) (See A.2.b).  10% opacity, as a 6-minute average.
	NSPS 40 CFR Part 60, Subpart 000	The visible emission fugitive dust shall not exceed 20% opacity, as a 3-minute average(See section A.2.b).
	OAC rule 3745-17-07(B)(1)	Reasonably available control measures, (RACM) (See section A.2.b. and A.2.c).
	OAC rule 3745-17-08(B)	
<b>2. Additional Terms and Conditions</b>		
(a) The hourly emission 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 rule is applicable only when the emission unit is located in an Appendix A area, as specified in OAC 3745-17-08. The aggregate materials processed through this screen shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the screen so that compliance with the opacity requirement(s) specified above is continuously maintained.		
<b>B. Operational Restrictions</b>		
1. The maximum annual production rate for this facility shall not exceed 960,000 tons.		
<b>C. Monitoring and/or Record Keeping Requirements</b>		
1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.  2. The permittee shall conduct visible emission evaluations at a minimum annually or upon relocation of the emissions unit. The VE evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages and, if applicable, twenty 3-minute averages)		
<b>D. Reporting Requirements</b>		
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.  2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or Iaa) within 30 days after the exceedance occurs.		
<b>E. Testing Requirements</b>		
1. Compliance Method  Compliance with the emission limitations in this permit for emissions unit F005 shall be determined in accordance with the following method(s): Emission Limitation- 0.71 lb/hr particulate  Applicable Compliance Method- Compliance shall be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of (0.00084 PM-10/ton)(2.1)= 0.001764 lb PM/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95). Emission Limitation- 0.85 ton/yr particulate  Applicable Compliance Method Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of (0.00084 PM-10/ton)(2.1)= 0.001764 lb PM/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton. Emission Limitation- 10% opacity, as a 6-minute average  Applicable Compliance Method- Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart 000. Emission Limitation-		

20% opacity, as a 3-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.

**F. Miscellaneous Requirements**

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
- c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of thirty days prior to the scheduled relocation; and
- d. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.  
OR

2. Under OAC rule 3745-31-05(F), portable or mobile emission sources may relocate to sites that have been preapproved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:

- a. the permittee has applied for and obtained a site approval for the new site from the Director;
- b. the site approval is current and effective;
- c. the permittee has complied with all of the conditions and restrictions contained in the site approval; and
- d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

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

Facility ID: 0857043027 Emissions Unit ID: F006 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>
400 tons/hr portable tertiary crusher (103 ISC VSI 2060 V)	OAC rule 3745-31-05(A)(3) PTI 08-04400	0.496 lb/hr and 0.595 ton/yr particulate  The requirements of this rule also include compliance with the requirements of NSPS Subpart OOO.  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1), 3745-17-08(B) (See section A.2.b)  15% opacity, as a 6-minute average

NSPS 40 CFR Part 60, Subpart  
OOO The visible emissions of fugitive dust shall not exceed  
20% opacity as a 3- minute average. ( See section  
A.2.b.)

OAC rule 3745-17-07(B)(1) Reasonably available control measures (RACM). See  
section A.2.b and A.2.c.

OAC rule 3745-17-08(B)

**2. Additional Terms and Conditions**

- (a) The hourly emission 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 these limits.  
The rule is applicable only when the emission unit is located in an Appendix A area, as specified in OAC 3745-17-08.  
The aggregate materials processed through the tertiary crusher shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crusher so that compliance with opacity requirements specified above is continuously maintained

**B. Operational Restrictions**

- 1. The maximum annual production rate for this facility shall not exceed 960,000 tons.

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

- 1. The permittee shall maintain monthly records of the total aggregate materials produced in this facility.
- 2. The permittee shall conduct visible emission evaluations at a minimum annually or upon relocation of the emissions unit. The VE evaluations shall be performed during the period of May 1 through September 30. The duration of the Method 9 observations shall be 1 hour at a minimum (ten 6-minute averages and, if applicable, twenty 3-minute averages)

**D. Reporting Requirements**

- 1. The permittee shall submit annual reports that identify any exceedances of the annual production rate limitation for the facility, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
- 2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 9 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA DO or laa) within 30 days after the exceedance occurs.

**E. Testing Requirements**

- 1. Compliance Method  
  
Compliance with the emission limitations in this permit for emissions unit F006 shall be determined in accordance with the following method(s):  
Emission Limitation-  
0.496 lb/hr particulate  
  
Applicable Compliance Method-  
Compliance shall be determined by multiplying the maximum hourly production rate of 400 tons/hour by the emission factor of (0.00059 PM-10/ton)(2.1)= 0.001239 lb PM/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).  
Emission Limitation-  
0.595 ton/yr particulate  
  
Applicable Compliance Method-  
Compliance shall be based upon the record keeping specified in section C.1., summing the 12 monthly production records for the calendar year, and then multiplying the sum by the emission factor of (0.00059 PM-10/ton)(2.1)= 0.001239 lb PM/ton, as specified in AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.  
Emission Limitation-  
15% opacity, as a 6-minute average  
  
Applicable Compliance Method-  
Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in USEPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.  
Emission Limitation-  
20% opacity, as a 3-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.

**F. Miscellaneous Requirements**

- 1. Notice to Relocate a Portable or Mobile Source  
  
Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install (PTI) providing the following criteria are met:

- a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
  - b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
  - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of thirty days prior to the scheduled relocation; and
  - d. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.  
OR
2. Under OAC rule 3745-31-05(F), portable or mobile emission sources may relocate to sites that have been preapproved by the Director. The permittee may relocate the portable or mobile sources listed in this permit if:
- a. the permittee has applied for and obtained a site approval for the new site from the Director;
  - b. the site approval is current and effective;
  - c. the permittee has complied with all of the conditions and restrictions contained in the site approval; and
  - d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.