

Facility ID: 0514000147 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 B002](#)

[Go to Part II for Emissions Unit F022](#)

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Facility ID: 0514000147 Emissions Unit ID: B002 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**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>
B002 -300 Horsepower Engine Electric Generator (Serial Number 64230594)	OAC rule 3745-31-05(A)(3) and PTI 05-12281	0.66 lb particulate emissions (PE)/hr; 1.49 tons PE/yr;  0.62 lb sulfur oxides (SOx)/hr; 1.38 tons SOx/yr;  9.3 lbs nitrogen oxides (NOx)/hr; 20.93 tons NOx/yr;  0.75 lb volatile organic compounds (VOCs)/hr; 1.70 tons VOC/yr;  2.0 lbs carbon monoxide (CO)/hr; 4.51 tons CO/yr;
		Visible particulate emissions shall not exceed twenty percent (20%) opacity, as a three minute average, except during the startup and shut-down of equipment.
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and OAC rule 3745-17-11(B)(5).
	OAC rule 3745-17-10(B)(5)	PE shall not exceed 0.020 lb/MMBtu of actual heat input.
	OAC rule 3745-18-06(B)	Exempt

2. **Additional Terms and Conditions**
  - (a) Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of #2 fuel oil (diesel), the hours of operation limitation and compliance with specified emission limits. The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

**B. Operational Restrictions**

1. The permittee shall burn only number two fuel oil (diesel) in this emissions unit.
2. The maximum annual operating hours for this emissions unit shall not exceed 4,500 based upon an annual summation of the operating hours.

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

1. For each day during which the permittee burns a fuel other than number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
2. The permittee shall maintain monthly records of the following information:

- a. The operating hours for each month.
- b. The annual summation of the operating ours.

**D. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than number two fuel oil (diesel) was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit annual reports that identify any exceedances of the annual hours of operation limitation, as well as the corrective actions that were taken to achieve compliance. If no exceedances occurred during the reporting period then a report is required stating so. These reports shall be submitted by January 31 of each year.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the annual: 1.49 tons PE/yr; 1.38 tons SO<sub>x</sub>/yr; 20.93 tons NO<sub>x</sub>/yr; 1.70 tons VOC/yr; 4.51 tons CO/yr; emission limitation for this emissions unit.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):
    - a. Emission Limitation:
      - 20% opacity
    - Applicable Compliance Method:
      - Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).
    - b. Emission Limitation:
      - 0.66 lb PE/hr;
      - 1.49 tons PE/yr;
      - 0.62 lb SO<sub>x</sub>/hr;
      - 1.38 tons SO<sub>x</sub>/yr;
      - 9.3 lbs NO<sub>x</sub>/hr;
      - 20.93 tons NO<sub>x</sub>/yr ;
      - 0.75 lb VOCs/hr;
      - 1.70 tons VOC/yr;
      - 2.0 lbs carbon monoxide (CO)/hr;
      - 4.51 tons CO/yr;
    - Applicable Compliance Method:
      - Hourly compliance shall be determined by multiplying the air contaminate's respective emissions factor by the unit's horsepower (300).
      - Annual compliance shall be determined by multiplying the air contaminate's respective emissions factor by the unit's horsepower (300). The sum of the hourly emissions rate should then be multiplied by the annual hours of operation (4,500).
- Emission factors are obtained from US EPA reference document AP-42, Table 3.3-1, October, 1996 edition.

**F. Miscellaneous Requirements**

1. Miscellaneous Requirements:
  - a. 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 PTI providing the following criteria are met:
  - b. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
  - c. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
  - d. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Ohio EPA-Southwest District Office, Division of Air Pollution Control and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
  - e. In the Ohio EPA-Southwest District Office, Division of Air Pollution Control's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
  - f. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
  - g. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
  - h. The portable emissions unit is equipped with best available technology;
  - i. The portable emission unit owner has identified the proposed site to the Ohio EPA;

j.The Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

k.A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

l.The owner of the proposed site has provided the portable emissions unit owner

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Facility ID: 0514000147 Emissions Unit ID: F022 Issuance type: Final State Permit To Operate

[Go to the top of this document](#)

**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>
F022 - Material Handling - (3) 500 tons/hr Conveyors	OAC rule 3745-31-05(A)(3) and PTI 05-12281	0.20 lb/hr and 0.88 ton/yr particulate emissions
	NSPS 40 CFR Part 60, Subpart OOO	The visible emissions of fugitive dust shall not exceed 10% opacity, as a 6-minute average for sources subject to this rule
	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.)
	OAC rule 3745-17-08(B)	Reasonably available control measures (RACM). See section A.2.b.

**2. Additional Terms and Conditions**

- (a) The hourly and yearly emissions limitation of 0.20 lb/hr and 0.88 TPY respectively, were established to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping to ensure compliance with this limit.
 

These OAC rules and the application of RACM are applicable only when the emissions unit is located in an Appendix A area as specified in OAC rule 3745-17-08.

The aggregate materials processed through any conveyor shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. If the inherent moisture in the aggregate material is not sufficient to comply with the opacity restrictions found in this permit, the permittee shall apply water, or any other suitable dust suppressant, at a rate sufficient to comply with the applicable opacity

The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

**B. Operational Restrictions**

1. None

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

1. Upon completing the initial visible emissions compliance test as specified in Section E.2., the permittee shall conduct visible emissions evaluations at a minimum annually or upon relocation of the emissions unit. The visible emissions evaluations shall be performed during the period of May 1 through September 30.
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from each crusher, screen, transfer point, and load-out operation. 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. whether the emissions are representative of normal operations;
- b. if the emissions are not representative of normal conditions, the cause of the abnormal emissions;
- c. the total duration of any visible emissions incident which exceeds the specified opacity limitations under Part II. A.; and
- d. any corrective actions taken to eliminate the visible emissions

**D. Reporting Requirements**

1. 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 District Office or local air agency) within 30 days after the exceedance occurs.
2. The permittee shall submit quarterly deviation (excursion) reports which identify the occurrences identified below:
  - 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.

These reports are due by the date described in Part 1-General Terms and Conditions of this permit under section (A)(2).

**E. Testing Requirements**

1. Compliance with the emissions limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 

Emission Limitation-

0.20 lb/hr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying the total number of egress points by the emissions unit's maximum hourly production rates (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in US EPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total.

Emission Limitation-

0.88 ton/yr particulate emissions

Applicable Compliance Method-

Compliance shall be determined by multiplying the total number of egress points by the emissions unit's maximum hourly production rates (tons/hour) by the emissions factor of 0.00010 lb/ton, as specified in US EPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the total. The resultant shall then be multiplied by 8,760 hrs/yr, with the sum divided by 2,000 lbs/ton

Emission Limitation-

10% opacity, as a 6-minute average

Applicable Compliance Method

Compliance shall be determined by visible emissions evaluations performed using the methods and procedures specified in US EPA 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 emissions evaluations performed using the methods and procedures specified in US EPA Reference Method 9 and 40 CFR 60.675 Subpart OOO.
2. Within 60 days of reaching maximum production, this facility shall conduct, or have conducted an opacity test for F015 in order to demonstrate compliance with the specified allowable opacity limitation. The opacity test shall be conducted in accordance with the test method specified in 40 CFR Part 60 Subpart OOO, [reference section 60.675].
 

Not later than 30 days prior to the proposed test date(s), this facility shall submit an Intent to Test notification to the Ohio EPA, Southwest District Office. The Intent to Test notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and the date(s) of the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in Ohio EPA, Southwest District Office's refusal to accept the results of the opacity test(s).

Personnel from Ohio EPA, Southwest District Office shall be permitted to witness the test(s). Personnel from this facility shall acquire data and information regarding the source operating parameters (including but not limited to, water flow rates and pressure employed for particulate emissions and opacity control at this plant).

A comprehensive written report on the results of the opacity test(s) (including opacity levels and the source operating parameters) shall be submitted to Ohio EPA, Southwest District Office within 30 days following completion of the test(s).

**F. Miscellaneous Requirements**

1. If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance

2. 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 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 Ohio EPA, Southwest District Office and the appropriate field office having jurisdiction over the new site within a minimum of 30 days prior to the scheduled relocation; and,
  - d. in Ohio EPA, Southwest District Office's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

OR

under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been pre-approved 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;

If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance

- 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.