

Facility ID: 0448040003 Issuance type: Final State Permit To Operate

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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.

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

Facility ID: 0448040003 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>
aggregate (non-metallic mineral) processing plant: 750 tons aggregate per hour	OAC rule 3745-31-05(A)(3) (PTI 04-01368)	Particulate emissions less than 10 microns in diameter (PM10) shall not exceed 4.5 pounds per hour and 19.75 tons per year.
truck dumping	OAC rule 3745-31-05(A)(3) (PTI 04-01368)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.2.a through A.2.c), and see section A.2.e.
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average. See section A.2.d.
crushing & screening	OAC rule 3745-17-08(B), (B)(3) OAC rule 3745-31-05(A)(3) (PTI 04-01368)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.2.a through A.2.c), and see sections A.2.e and f.
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average. See section A.2.d.
	OAC rule 3745-17-08(B), (B)(3) 40 CFR Part 60, Subpart OOO	Visible particulate emissions of fugitive dust shall not exceed 15% opacity as a 6-minute average, from any crusher, and visible particulate emissions of fugitive dust shall not exceed 10% opacity as a 6-minute average, from any screening operation.
plant conveyors & transfer points	OAC rule 3745-31-05(A)(3) (PTI 04-01368)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.2.a through A.2.c), and see sections A.2.e and f.
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average. See section A.2.d.
	OAC rule 3745-17-08(B), (B)(3)	Visible particulate emissions of fugitive dust shall not exceed 10% opacity as a 6-minute average.

product loading	40 CFR Part 60, Subpart OOO OAC rule 3745-31-05(A)(3) (PTI 04-01368)	Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.a through A.2.c), and see section A.2.e and f.
	OAC rule 3745-17-07(B)(1)	Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average. See section A.2.d.
	OAC rule 3745-17- 08(B), (B)(3)	Visible particulate emissions of fugitive dust shall not exceed 10% opacity as a 6-minute average.
	40 CFR Part 60, Subpart OOO	

2. Additional Terms and Conditions

- (a) The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

Material handling operation(s) and control measure(s):

- i. Truck dumping: maintain or apply sufficient moisture, to adequately control the fugitive dust emissions, and minimize drop heights.
- ii. Crushing and screening: maintain or apply sufficient moisture, to adequately control the fugitive dust emissions, and minimize drop heights.
- iii. Plant conveyors and transfer points: maintain or apply sufficient moisture to control dust emissions from conveyors and transfer points; minimize drop heights
- iv. Product loading: maintain or apply sufficient moisture, to adequately control the fugitive dust emissions, and minimize drop heights.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-07, 3745-17-08, and 3745-31-05.

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07 (B)(1).

The requirements of this rule also include compliance with the requirements of NSPS Subpart OOO.

B. Operational Restrictions

- 1. None

C. Monitoring and/or Record Keeping Requirements

- 1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

Material handling operation(s) and minimum inspection frequency:

- i. Truck dumping: perform daily inspections.
- ii. Crushing and screening operations: perform daily inspections.
- iii. Plant conveyors and transfer points: perform daily inspections.
- iv. Product loading: perform daily inspections.

- 2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
- 3. The permittee may, upon receipt of written approval from the Toledo Division of Environmental Services, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
- 4. The permittee shall maintain records of the following information:
 - a. The date and reason any required inspection was not performed;
 - b. The date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s); and

c. The dates the control measure(s) was (were) implemented.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:
 - a. Each day during which an inspection was not performed by the required frequency; and
 - b. Each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

E. Testing Requirements

1. Compliance with the visible emission limitation for the material handling, crushing, and screening operation(s) identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and where applicable, the modifications listed in 40 CFR, Part 60.675 and/or paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.
2. Ongoing compliance with the visible emission limitation for the material handling operation(s) identified above shall be considered adequate demonstration of compliance with the hourly and annual mass emission limitations. Compliance may be demonstrated using the following calculation: multiply the maximum throughput (maximum rated capacity for all equipment comprising this emissions unit, in tons per hour), times the particulate emissions factor for PM10 calculated from AP-42 table 11.19.2-2, dated 8/2004 for each emission point. The annual limit may be established using a one time calculation by taking the hourly limit times 8760 hours of operation and dividing by 2000 lbs/ton.

Truck Unloading Point:
 $(0.000016 \text{ lb/ton})(1000 \text{ tons/hr})(8760 \text{ hrs/yr})(1 \text{ ton}/2000 \text{ lbs}) = 0.07 \text{ TPY}$

Conveyor Transfer Points:
 $(0.000046 \text{ lb/ton})(7*80 \text{ tons/hr} + 2*100 \text{ tons/hr} + 14*200 \text{ tons/hr} + 14*250 \text{ tons/hr} + 1*300 \text{ tons/hr} + 9*400 \text{ tons/hr} + 10*450 \text{ tons/hr} + 3*500 \text{ tons/hr} + 1*520 \text{ tons/hr} + 1*600 \text{ tons/hr} + 1*700 \text{ tons/hr} + 2*750 \text{ tons/hr} + 6*1000 \text{ tons/hr})(8760 \text{ hrs/yr})(1 \text{ ton}/2000 \text{ lbs}) = 5.29 \text{ TPY}$

Tertiary Crushing Points:
 $(0.00054 \text{ lb/ton})(750 \text{ tons/hr} + 400 \text{ tons/hr} + 170 \text{ tons/hr} + 490 \text{ tons/hr} + 200 \text{ tons/hr})(8760 \text{ hrs/yr})(1 \text{ ton}/2000 \text{ lbs}) = 4.75 \text{ TPY}$

Screening:
 $(0.00074 \text{ lb/ton})(1000 \text{ tons/hr} + 3*450 \text{ tons/hr} + 80 \text{ tons/hr})(8760 \text{ hrs/yr})(1 \text{ ton}/2000 \text{ lbs}) = 7.88 \text{ TPY}$

Total Potential Emissions = 0.07 TPY+5.29 TPY+4.75 TPY+7.88 TPY = 18.00 TPY

F. Miscellaneous Requirements

1. None