

Facility ID: 0812750086 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.

[Go to Part II for Emissions Unit F001](#)

[Go to Part II for Emissions Unit F006](#)

[Go to Part II for Emissions Unit F007](#)

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Facility ID: 0812750086 Emissions Unit ID: F001 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>
Aggregate Processing Plant (crushers, screens, material handling)	OAC rule 3745-31-05(A)(3) PTI 08-04470	The requirements of this rule also include compliance with the requirements of NSPS 40 CFR Part 60, Subpart 000.
Crushing Operations **300 tons/hr; 1036 Cedar Rapids Jaw Crusher (Primary)		7.66 lbs/hr and 8.27 tons/yr particulate emissions plant wide
**1 - 125 tons/hr; 4' Short-Head Nordberg Crusher (Secondary)		15% opacity, as a 6-minute average from the crushers
1 - 125 tons/hr; 4' Short-Head Nordberg Crusher (Secondary)		10% opacity, as a 6-minute average from any unsaturated transfer point
50 tons/hr; 3' Short-Head Nordberg Crusher (Tertiary)		no visible emissions from all saturated equipment except crushers
Screening Operations (Primary) **600 tons/hr; 6' x 16' 2-D El-Jay Screen	**NSPS 40 CFR Part 60, Subpart OOO	15% opacity, as a 6-minute average from the crushers
**420 tons/hr; 6' x 20' 3-Deck AMS		10% opacity, as a 6-minute average from any unsaturated transfer point
(Secondary) **240 tons/hr; 7' x 16' 2-Deck AMS LH		10% opacity, as a 6-minute average from any unsaturated transfer point
**500 tons/hr; 7' x 16' 2-Deck AMS		no visible emissions from all saturated equipment except crushers
(Tertiary) **300 tons/hr; 6' x 20 3-Deck AMS		
**325 tons/hr; 6' x 20 3-Deck AMS		
**130 tons/hr; 5' x 12' 3-Deck AMS		
Material Handling 1 -16" dredge w/70' ladder		
1- **Eagle Metering Bin		
1-**40" Scalping Tank		
2-**Eagle SSFM Washers		

1-**Eagle Scalping Tank

1-**FMC Feeder

5- **Radial Stackers

1-Double Eagle CMW

1-**FMC Feeder and Hopper

1-**DW400 Basic Bucket Sand Wheel
Wheel

1- **Stationary De-watering Grizzly

10- **Conveyors

16-Conveyors

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 aggregate materials processed through the equipment identified under this emissions unit shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the crushers, screens, conveyors and transfer points, so that compliance with the opacity requirements specified above is continuously maintained. If the inherent moisture in the aggregate is not sufficient to comply with the opacity restrictions of this permit, the permittee shall apply water or other suitable dust suppressant, at appropriate locations in the production line.

B. Operational Restrictions

1. The maximum annual production rate for this facility shall not exceed 1,296,000 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 annual visible emissions evaluations of this emissions unit. The initial compliance demonstration required by 40 CFR 60 Subpart OOO shall be completed within 60 days after reaching maximum production and not later than 180 days after initial startup. The visible emissions evaluations shall be performed at maximum production capacity and during dry weather conditions. Every effort shall also be made to conduct the visible emissions evaluations between May 1 and September 30 to represent a worst case operating scenario. The duration of the Method 9 observations shall be in accordance with the requirements of 40 CFR 60 Subpart OOO.
3. The permittee shall employ best available control measures for the 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) control measure(s)
- all conveyors and transfer points spray mist/nozzles as needed
4. 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.
5. 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 rule 3745-31-05.
6. 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 the emissions unit. 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:
- the color of the emissions;
 - whether the emissions are representative of normal operations;
 - if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - the total duration of any visible emission incident; and
 - any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective

actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

D. Reporting Requirements

1. The permittee shall submit annual reports of the annual production rate for this facility. These reports shall be submitted by January 31 of each year to the Director (the appropriate Ohio EPA District Office or local air agency).
2. The permittee shall report within 30 days, any change in the saturated or unsaturated nature of the material being processed in the screens and conveyors. The affected emissions unit is then subject to the provisions of the standard applicable to the type of material being processed.
3. The permittee shall submit written reports that identify all days during which any visible fugitive particulate emissions were observed that did not demonstrate compliance with the opacity requirements specified above from this emissions unit, and describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedance occurs.
4. The permittee shall submit the following information for each piece of equipment that is replaced having the same function as the existing facility:
 - a. for a crusher, grinding mill, bucket elevator, bagging operation, storage bin, enclosed truck or railcar loading station:
 - i. the rated capacity in tons or tons per hour of the existing facility being replaced, and
 - ii. the rated capacity in tons or tons per hour of the replacement equipment.
 - b. for a conveyor belt:
 - i. the width of the existing conveyor belt being replaced, and
 - ii. the width of the replacement conveyor belt.
 - c. for a screening operation:
 - i. the total surface area of the top screen of the existing screening operation being replaced, and
 - ii. the total surface area of the top screen of the replacement, screening operation.
 - d. The permittee shall submit the date of manufacture of each existing facility being replaced and the date of manufacture of the replacement equipment.

The notification shall be submitted 30 days (or as soon as practicable) before construction of the replacement equipment is commenced.

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 method(s):
Emission Limitation-
7.66 lbs/hr particulate emissions

Applicable Compliance Method-
Compliance shall be determined by summing the maximum hourly emission rates for the crushers, screens, and the material handling equipment. (See i. through vii. below)

 - i. The maximum hourly emission rate for the primary crusher is determined by multiplying the maximum hourly production rate of 300 tons/hour by the emission factor of 0.001239 lb/ton [(0.00059 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).
 - ii. The maximum hourly emission rate for the secondary crushers are determined by multiplying the maximum hourly production rates of 125 tons/hr each, by the emission factor of 0.001239 lb/ton [(0.00059 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and summing the emission rates for the two crushers.
 - iii. The maximum hourly emission rate for the tertiary crusher is determined by multiplying the maximum hourly production rate of 50 tons/hour by the emission factor of 0.001239 lb/ton [(0.00059 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95).
 - iv. The maximum hourly emission rate for the primary screens are determined by multiplying the maximum hourly production rate of 600 tons/hour and 420 tons/hr respectively for each screen by the emission factor of 0.001764 lb/ton [(0.00084 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95) and summing the emissions rates for the two screens.
 - v. The maximum hourly emission rate for the secondary screens are determined by multiplying the maximum hourly production rate of 500 tons/hour and 240 tons/hr respectively for each screen by the emission factor of 0.001764 lb/ton [(0.00084 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95) and summing the emissions rates for the two screens.
 - vi. The maximum hourly emission rate for the tertiary screens are determined by multiplying the maximum hourly production rate of 325 tons/hour, 300 tons/hr and 130 tons/hr respectively for each screen by the

emission factor of 0.001764 lb/ton [(0.00084 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95) and summing the emissions rates for the three screens.

- vii. The maximum hourly emission rate for the material handling equipment is determined by multiplying the maximum hourly production rates of 600 tons/hr for each piece of equipment by the emission factor of 0.0001008 lb/ton [(0.000048 lb PM-10/ton)(2.1)], 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-

8.27 tons/yr particulate emissions combined

Applicable Compliance Method-

Compliance shall be determined by summing the annual emission rates for the crushers, screens and material handling equipment. (See i. through vii. below)

- i. The annual emission rate for the primary crusher is determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001239 lb/ton [(0.00059 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.
- ii. The annual emission rate for the secondary crushers are determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001239 lb/ton [(0.00059 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton, and summing the emission rates.
- iii. The annual emission rate for the tertiary crusher is determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001239 lb/ton [(0.00059 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton.
- iv. The annual emission rate for the primary screens are determined by multiplying the 12-monthly production records for the calendar year, by the emission factor of 0.001764 lb/ton [(0.00084 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates for the two screens.

v. The annual emission rate for the secondary screens are determined by multiplying the 12-monthly production records for the calendar year for each screen by the emission factor of 0.001764 lb/ton [(0.00084 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates for the two screens.

- vi. The annual emission rate for the tertiary screens are determined by multiplying the 12-monthly production records for the calendar year by the emission factor of 0.001764 lb/ton [(0.00084 lb PM-10/ton)(2.1)], as specified in USEPA reference document AP-42, Table 11.19.2-2 (1/95), and dividing by 2,000 pounds per ton and summing the emission rates for the three screens.
- vii. The annual emission rate for the material handling equipment is determined by multiplying the 12-monthly production records for the calendar year for each piece of equipment by the emission factor of 0.0001008 lb/ton [(0.000048 lb PM-10/ton)(2.1)], as specified in USEPA reference document 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-

15% opacity, as a 6-minute average (crushers)

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-

10% opacity, as a 6-minute average (screens, transfer points, conveyors, material handling equipment)

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-

No visible emissions (saturated equipment)

Applicable Compliance Method-

Compliance shall be based on USEPA Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

Production Limitation-

The annual production rate for this facility shall not exceed 1,296,000 tons of aggregate.

Applicable Compliance Method-

Compliance shall be based upon record keeping requirements listed in term C.1 of this emissions unit.

F. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0812750086 Emissions Unit ID: F006 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>
load-in and load-out of storage piles (see Section A.2.b for identification of storage piles)	OAC rule 3745-31-05(A)(3) PTI 08-04470	6.30 tons/yr particulate emissions no visible emissions except for one minute in any hour best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.c and A.2.f) 12.87 tons/yr particulate emissions
wind erosion from storage piles (see Section A.2.b for identification of storage piles)	OAC rule 3745-31-05(A)(3) PTI 08-04470	no visible emissions except for one minute in any hour best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.f)

2. Additional Terms and Conditions

- (a) The annual 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 terms.
The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

All
The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles 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 use of variable height stacker in lieu of front-end loader and reduce the drop height of the front-end loader bucket to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles 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 maintenance of as low a pile height as possible to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

B. Operational Restrictions

1. None
- C. Monitoring and/or Record Keeping Requirements**
1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification minimum load-in inspection frequency
All Daily
 2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

storage pile identification minimum load-out inspection frequency
All Daily
 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification minimum wind erosion inspection frequency
All Daily
 4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
 5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
 6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, 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.
 7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented; and
 - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
- D. Reporting Requirements**
1. 1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
 2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
- E. Testing Requirements**
1. Compliance Method

Compliance with the emission limitations in Section A1. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation-
19.17 tons PE/yr

Applicable Compliance Method-
Compliance with the emission limit can be demonstrated through a one time calculation using the maximum allowable annual production rate of the facility and equation (1) from AP 42, Section 13.2.4 (1/95) for load-in and load out of material on aggregate storage piles and for wind erosion as calculated from equation (5) of the Air Pollution Engineering Manual (Air & Waste Management Association, 1992, Page 136)

Emission Limitation-
no visible emissions except for one minute in any hour

Applicable Compliance Method-
Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0812750086 Emissions Unit ID: F007 Issuance type: Final State Permit To Operate

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

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>
paved roadways and parking areas (see Section A.2.b)	OAC rule 3745-31-05(A)(3) PTI 08-04470	13.49 tons/yr particulate emissions no visible particulate emissions except for one minute during any 60-minute period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d, A.2.e, and A.2.g through A.2.j)
unpaved roadways and parking areas (see Section A.2.c)	OAC rule 3745-31-05(A)(3) PTI 08-04470	15.83 tons/yr particulate emissions no visible particulate emissions except for 3 minutes during any 60-minute period best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.f through A.2.j)

2. **Additional Terms and Conditions**

- (a) The annual 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 terms.
The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways:

All

paved parking areas:

All
The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:

All

unpaved parking areas:

All
The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In

accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by water flushing at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The permittee shall employ best available control measures on the unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved shoulders of all paved roadways with chemical stabilization at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with chemical stabilization at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

Any unpaved roadway or parking area, which is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure (s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.

The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.

Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.

Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

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

paved roadways and parking areas minimum inspection frequency
All Daily

unpaved roadways and parking areas minimum inspection frequency
All Daily

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

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

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:

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

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

Emission Limitation:
15.83 tons/year particulate emissions from unpaved roadways and parking areas.

Applicable Compliance Method:
Compliance with the emission limit shall be demonstrated through an annual calculation using the vehicle miles traveled on-site and Equation (2) from AP-42, section 13.2.2, (10/02) and 95 % control for chemical stabilization of unpaved roads from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (1980).

Emission Limitation:
13.49 tons/year particulate emissions from paved roadways and parking areas.

Applicable Compliance Method:
Compliance with the emission limit can be demonstrated through an annual calculations using the vehicle miles traveled on-site and Equation (1) from AP-42, section 13.2.1, (10/97) and 80 % control for water flushing from Reasonably Available Control Measures For Fugitive Dust Sources, Ohio EPA, (1980).

Emission Limitation:
no visible particulate emissions except for one minute during any 60-minute period

no visible particulate emissions except for 3 minutes during any 60-minute period

Applicable Compliance Method:
Compliance with the emissions limitation for the paved and unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.
- F. Miscellaneous Requirements**
1. None