

Facility ID: 0372950001 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](#)
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Facility ID: 0372950001 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>
portable aggregate processing plant involving loading, crushing, screening and conveying	OAC rule 3745-31-05(A)(3) (PTI 03-16023, issued 1/27/04)	6.53 tons fugitive particulate emissions (PE)/yr visible PE restrictions (See A.2.f and A.2.g) best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a through A.2.c)
	OAC rule 3745-17-07(B)	See A.2.d
	OAC rule 3745-17-08(B)	See A.2.e
	40 CFR, Part 60, Subpart OOO	See A.2.e visible PE restrictions (See A.2.f & A.2.g)

2. Additional Terms and Conditions

- (a) The permittee shall employ best available control measures for the above-identified material handling operations 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 measures to ensure compliance:

- material handling operation control measure(s)
- loading reduced drop height
- transfer points wet suppression
- primary crushing and screening water sprays

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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.

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.

The requirements of this rule also include compliance with OAC rule 3745-17-07(B), OAC rule 3745-17-08(B) and CFR 40 Part 60, Subpart OOO.

This emissions unit is a portable source and is applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and 3745-17-08

- (B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05 and NSPS Subpart 000.

When the emissions unit is not located within an "Appendix A" area as identified in OAC rule 3745-17-08, this emission unit is exempt from the requirements of OAC rule 3745-17-08(B) pursuant to OAC rule 3745-17-08(A) and is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B)(1) pursuant to OAC rule 3745-17-07(B)(1)(e).

Visible fugitive PE from the following material processing emission points shall not exceed the specified opacity restrictions when processing concrete materials:

20% opacity, as a three-minute average per OAC rule 3745-31-05:

front-end loader and/or return conveyor to crusher

5% opacity, as a six-minute average per OAC rule 3745-31-05:

conveyor 1 to conveyor 3, conveyor 2 to screen, screen, screen to conveyor 5, screen to conveyor 4, screen to conveyor 6

15% opacity, as a six-minute average per NSPS, Subpart 000:

primary crusher, crusher to conveyor 1, crusher to conveyor 2

Visible fugitive PE from the following material processing emission points shall not exceed the specified opacity restrictions when processing non-concrete materials:

20% opacity, as a three-minute average per OAC rule 3745-31-05:

front-end loader and/or return conveyor to crusher

10% opacity, as a six-minute average per NSPS, Subpart 000

conveyor 1 to conveyor 3, conveyor 2 to screen, screen, screen to conveyor 5, screen to conveyor 4, screen to conveyor 6

15% opacity, as a six-minute average per NSPS, Subpart 000

primary crusher, crusher to conveyor 1, crusher to conveyor 2

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

B. Operational Restrictions

1. The maximum annual material throughput for this emissions unit shall not exceed 4,380,000 tons. This restriction is based on the material throughput of the feeder.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the amount (tons per month and total tons, to date, for the calendar year) of material processed through the feeder of this emissions unit
2. 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 Operations Minimum Inspection Frequency
All Once During Each Day of Operation

3. The above-mentioned inspections shall be performed during representative, normal operating conditions.
4. 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.
5. 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);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 5.d. shall be kept separately for each material handling operation identified above, 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; and
 - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

These deviation (excursion) reports shall be submitted in accordance with the general terms and conditions of

this permit.

2. The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
 - a. for a crusher, grinding mill, bucket elevator, bagging operations, or enclosed truck or railcar loading station:
 - i. the rated capacity, in tons per hour, of the existing facility being replaced, and
 - ii. the rated capacity, in tons per hour, of the replacement equipment;
 - b. for a conveyor belt:
 - i. the width of the existing belt being replaced, and
 - ii. the width of the replacement conveyor belt; and

The notification shall be submitted within 30 days of after the equipment replacement.
4. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date);
 - b. actual start-up date (within 15 days after such date); and
 - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, OH 43216-1049

and Ohio EPA, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for all transfer points, screens and crushers of emissions unit F001.
2. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.
3. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.
4. The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:
 - a. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
5. The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emission tests.
6. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and /or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.
7. 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: 6.53 TPY fugitive PE

Applicable Compliance Method: The emission limitation was established by combining the emissions from unloading, crushing, screening, and transfer points.

The emission rate was determined as follows:

Loading- emissions associated with loading operations were established by multiplying the AP-42 emission factor of 0.00021 lb PE/ton (Section 11.19.2 - 1/95) by the maximum annual throughput of 4,380,000 tons and dividing by 2000 lbs/ton (0.46 tons).

Crushing: emissions associated with crushing were established by multiplying an AP-42 emission factor of 0.00070 lb PE/ton (Section 11.19.2 - 1/95), a maximum annual throughput of 4,380,000 tons, applying an 85% control efficiency for water sprays and dividing by 2000 lbs/ton (0.38 tons).

Screening: emissions associated with screening were established by multiplying the AP-42 controlled emission factor of 0.0018 lb PE/ton (Section 11.19.2 - 1/95) by a maximum annual throughput of 4,380,000 tons and dividing by 2000 lbs/ton (3.94 tons).

Transfer Points: emissions associated with transfer points (8 total) were established by multiplying an AP-42 controlled emission factor of 0.0001 lb PE/ton (Section 11.19.2 - 9/95) by a maximum annual throughput of 4,380,000 tons, applying and dividing by 2000 lbs/ton (1.75 tons).

Therefore, provided compliance is shown with the maximum annual throughput and the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed. Emission Limitation: 20% opacity, as a 3-minute average for crusher loading by front-end loader and/or return conveyor

Applicable Compliance Method: If required, compliance shall be demonstrated using test Method 9 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60, "Standards of Performance for New Stationary Sources" as such appendix existed on July 1, 1996, with the modifications in paragraphs (a) and (b) of OAC rule 3745-17-03 (B)(3).

Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method: Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen, when non-concrete material is processed, any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method: Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

Emission Limitation: The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen, when concrete material is processed, any fugitive emissions which exhibit greater than 5% opacity.

Applicable Compliance Method: If required, compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in sections E.1 through E.6 above.

F. Miscellaneous Requirements

1. 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 install, permit to operate or registration;
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Northwest District Office (NWDO) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and,
 - d. in the NWDO's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. 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:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and,
 - g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than

three years and are subject to renewal.

3. In order for the NWDO and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the NWDO (347 North Dunbridge Road, Bowling Green, OH 43402) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the NWDO and/or the appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria. The "Notice of Intent to Relocate" shall also include any other associated emission units, such as storage piles, roadways, and the engine.
4. The permittee should be advised that when portable emission units are located at a stationary source or at a source comprised of portable emission units, potential emissions from the portable emission units are included in the facility potential to emit calculations for Title V applicability.

The permittee shall include a potential to emit analysis of facility-wide emissions (including the portable sources) for the proposed relocation in the "Notice of Intent to Relocate".

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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>
unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3) (PTI 03-16023, issued 1/27/04)	9.82 tons fugitive particulate emissions (PE)/yr There shall be no visible particulate emissions from any unpaved roadway except for a period of time not to exceed three minutes during any 60-minute observation period. best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.b through A.2.g)
	OAC rule 3745-17-07(B)	See A.2.h
	OAC rule 3745-17-08(B)	See A.2.h

2. Additional Terms and Conditions

- (a) The unpaved roadways that are covered by this permit and subject to the above-mentioned requirements are listed below:

**Unpaved Roadways:
All Unpaved Roadways**

The permittee shall employ best available control measures on all unpaved 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 roadways and parking areas with speed reduction, good housekeeping practices and watering 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 an unpaved roadway 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, which during the term of this permit is paved or takes the characteristics of a

paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway 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 that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.

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.

The unpaved roadways are associated with the portable aggregate processing plant permitted under facility ID 0372950001, F001. The emission limitation of 9.82 tons fugitive PE per year represents the maximum emissions which will be emitted from the unpaved roadways for any proposed site for relocation of the portable aggregate processing plant.

The roadways are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07 (B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

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 unpaved roadways in accordance with the following frequencies:

Unpaved Roadways Minimum Inspection Frequency

All Once during each day of operation

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 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 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 with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
Emission Limitation: 9.82 tons fugitive PE/yr for unpaved roadways

Applicable Compliance Method: This emission limitation was developed by applying a 95% control efficiency to a maximum potential uncontrolled emission rate of 195.64 tons fugitive PE per year. The maximum potential uncontrolled emission rate was calculated using AP-42 emission factors from Chapter 13.2.2 (9/98) and a maximum 146,000 vehicle miles traveled. Therefore, provided compliance is shown with the requirements of

this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.
 Emission Limitation: There shall be no visible particulate emissions from any unpaved roadway except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method: If required, compliance with the visible emission limitation specified 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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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 storage piles	OAC rule 3745-31-05(A)(3) (PTI 03-16023, issued 1/27/04)	1.52 tons fugitive particulate emissions (PE)/yr
load-in and load-out of storage piles (See A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.
wind erosion from storage piles (See A.2.a for identification of storage piles)	OAC rule 3745-17-07(B)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.b, A.2.c and A.2.f)
	OAC rule 3745-17-08(B)	See A.2.g
	OAC rule 3745-31-05(A)(3)	no visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period.
	OAC rule 3745-17-07(B)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d through A.2.f)
	OAC rule 3745-17-08(B)	See A.2.g

2. Additional Terms and Conditions

- (a) The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:
 - i. 3 aggregate products storage piles
 - ii. 3 concrete storage piles
 - iii. 3 recycled asphalt storage piles/various e.g. brick rubble, sand, gravel, stone
 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 reduction of drop heights to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The above-mentioned control measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures 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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measures 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.

The storage piles are associated with the portable aggregate processing plant permitted under facility ID 0372950001, F001. The emission limitation of 1.52 tons fugitive PE per year represents the maximum emissions which will be emitted from the storage piles for any proposed site for relocation of the portable aggregate processing plant.

The storage piles are associated with a portable source and are applicable to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

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 Storage Piles Once during each day of operation

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 Storage Piles Once during each day of operation

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 Storage Piles Once during each day of operation

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. 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 with the emission limitations in Section A.1. of the terms and conditions of this permit shall be determined in accordance with the following methods:
Emission Limitation: 1.52 ton fugitive PE/yr

Applicable Compliance Method: The emission limitation was established by combining the emissions from load-in and load-out operations and from wind erosion from each storage pile as listed in the permittee's application and applying a 95% control efficiency for use of best available control measures. Load-in and load-out operation emissions are based on a maximum load-in and load-out rate of 4,380,000 tons per year of product. Wind erosion emissions are based on a maximum storage pile surface area of 3 acres as listed in the permit application:

The emission rate was determined as follows:

- i. Load-in - emissions associated with load-in operations were established by multiplying the maximum load-in rate of 4,380,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.00099 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.11 ton fugitive PE/yr)
- ii. Load-out - emissions associated with load-out operations were established by multiplying the maximum load-out rate of 4,380,000 tons of product per year by the appropriate emission factor from AP-42 section 13.2.4.3 (1/95) [0.00099 lb PE/ton product], applying a 95% control efficiency and dividing by 2000 lbs/ton. (0.11 ton fugitive PE/yr)
- iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 3 acres for product, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [47.55 lbs PE/day/acre of product], a maximum operating schedule of 365 days per year and dividing by 2000 and applying a 95% control efficiency. (1.30 ton PE/yr)

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PE limitation will be assumed.

Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from load-in and load-out of the storage piles

Applicable Compliance Method: If required, 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.

Emission Limitation: No visible particulate emissions except for a period of time not to exceed one minute during any 60-minute observation period from wind erosion

Applicable Compliance Method: If required, 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