

Facility ID: 0322010284 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.

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Facility ID: 0322010284 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>
paved and unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3) (PTI #03-17153, issued 10-24-2006)	0.76 tons/yr fugitive particulate emissions (PE) 0.13 tons/yr fugitive particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10)
		Paved Roadways There shall be no visible particulate emissions except for a period of time not to exceed six minutes during any 60-minute observation period. Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b. through A.2.g.). Unpaved Roadways There shall be no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period. Use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections 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.i.

2. Additional Terms and Conditions

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

roadways and parking areas:

access plant roadway (raw material delivery, transit-mix trucks)
front-end loader routes

The permittee shall employ best available control measures on all unpaved roadways and parking areas and 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 and unpaved roadways and parking areas with watering at sufficient treatment frequencies, and speed reduction, 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 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 watering. 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 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.

This emission unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emission unit is exempt from the requirements of OAC rule 3745-17-07(B).

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 and parking areas in accordance with the following frequencies:

unpaved roadways and parking areas minimum inspection frequency

all roadways and parking areas once per day of operation

paved roadways and parking areas minimum inspection frequency

all roadways and parking areas once per 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 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 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 3.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 quarterly 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:
0.76 tons/yr fugitive PE

Applicable Compliance Method:

The emission limitation was determined as follows :

by multiplying AP-42 emission factor for unpaved roadways of 2.86 lb PE /VMT [Section 13.2.2.2 (12/03)], applying a control efficiency of 80% for use of best available control measures, and the maximum vehicle miles

traveled (VMT) of 2000 miles per year, and dividing by 2000lbs/ton. (0.57 tons PE/yr), plus

multiplying AP-42 emission factor for paved roadways of 9.37 lb PE /VMT [Section 13.2.2.2 (12/03)], applying a control efficiency of 80% for use of best available control measures, and the maximum vehicle miles traveled (VMT) of 200 miles per year, and dividing by 2000lbs/ton. (0.19 tons 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:
0.13 tons/yr fugitive PM10

Applicable Compliance Method:
The emission limitation was determined as follows :

by multiplying AP-42 emission factor for unpaved roadways of 0.56 lbs PM10 /VMT [Section 13.2.2.2 (12/03)], applying a control efficiency of 80% for use of best available control measures, and the maximum vehicle miles traveled (VMT) of 2000 per year (0.11 tons/PM10/yr), plus

multiplying AP-42 emission factor for paved roadways of 1.07 lbs PM10 /VMT [Section 13.2.2.2 (12/03)], applying a control efficiency of 80% for use of best available control measures, and the maximum vehicle miles traveled (VMT) of 200 per year. (0.02 ton PM10/yr).

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the ton per year PM-10 limitation will be assumed.

Emission Limitation:
There shall be no visible particulate emissions except for a period of time not to exceed six minutes during any 60-minute observation period for paved roadways and parking areas.

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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

Emission Limitation:
There shall be no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period for unpaved roadways and parking areas.

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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 0322010284 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>
material handling, transfer, and storage piles	OAC rule 3745-31-05(A)(3) (PTI #03-17153, issued 10-24-2006)	3.42 tons/yr fugitive particulate emissions (PE) 1.75 tons/yr fugitive particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10)

load-in and load-out of storage piles (see Section A.2.a.)

There shall be no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period.

Use of 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.).

wind erosion from storage piles (see Section A.2.a.)

There shall be no visible particulate emissions except for a period of time not to exceed thirteen minutes during any 60-minute observation period.

Use of 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.).

OAC rule 3745-17-07(B)
OAC rule 3745-17-08(B)

See A.2.g.
See A.2.h.

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:

Aggregate Pile (2 total)
Sand Pile

Note: Load-out emissions from the storage piles involve the transfer of material to elevated bins. 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 treat the storage pile materials with water at sufficient treatment frequencies 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 water application as needed 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(A)(3). This emission unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emission unit is exempt from the requirements of OAC rule 3745-17-07(B).

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 per 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 per 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 per 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 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 6.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 quarterly 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:
3.42 tons/yr fugitive PE

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 80% 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 rates of 36,500 tons per year of all products. Wind erosion emissions are based on a maximum storage pile surface area of 2.5 acres for all materials 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 maximum load-in rates of 36,500 tons product per year by the appropriate emission factor from Ohio EPA's Reasonably Available Control Measures for Fugitive Dust Sources (8/83) [0.3 lb PE/ton, for sand], applying a 80% control efficiency and dividing by 2000lbs/ton. (1.10 tons PE/yr)

ii. Load-out - emissions rate is same the as for load-in. (1.10 tons PE/yr)

iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 2.5 acre for aggregate and sand, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [2.68 lbs PE/day/acre for sand], a maximum operating schedule of 365 days per year and dividing by 2000. (1.22 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:
1.75 tons/yr fugitive PM10

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 80% 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 rates of 36,500 tons per year of all products. Wind erosion emissions are based on a maximum storage pile surface area of 2.5 acres for all materials 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 maximum load-in rates of 36,500 tons product per year by the appropriate emission factor from Ohio EPA's Reasonably Available Control Measures for Fugitive Dust Sources (8/83) [0.075 lb PE/ton, for sand], applying a 80% control efficiency

and dividing by 2000lbs/ton. (0.27 tons PE/yr)

ii. Load-out - emissions rate is same the as for load-in. (0.27 tons PE/yr)

iii. Wind erosion - emissions were established by multiplying a maximum combined storage pile surface area of 2.5 acre for aggregate and sand, the appropriate emission factor from USEPA's Control of Open Fugitive Dust Sources (9/88) [2.66 lbs PE/day/acre for sand], a maximum operating schedule of 365 days per year and dividing by 2000. (1.21 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 PM10 limitation will be assumed.

Emission Limitation:

There shall be no visible particulate emissions except for a period of time not to exceed thirteen minutes 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

Emission Limitation:

There shall be no visible particulate emissions except for a period of time not to exceed thirteen minutes 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. None