

Facility ID: 0333000049 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit F001](#)
- [Go to Part II for Emissions Unit F002](#)
- [Go to Part II for Emissions Unit F003](#)

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Facility ID: 0333000049 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>
Roadways and parking areas	OAC rule 3745-31-05(A)(3) (PTI #03-17292 issued 10/04/07)	54.13 tons of fugitive particulate emissions (PE)/year
Paved roadways and parking areas	OAC rule 3745-31-05(A)(3)	12.24 tons of fugitive particulate matter less than 10 microns (PM10)/year No visible particulate emissions except for one minute during any 60-minute observation period Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see sections A.I.2.c, A.I.2.e, A.I.2.g, and A.I.2.i)
Unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	No visible particulate emissions except for 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 sections A.I.2.d through A.I.2.i)
Roadways and parking areas	OAC rule 3745-17-07(B)	This emissions 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).
Roadways and parking areas	OAC rule 3745-17-08(B)	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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B) (see A.2.j).

2. Additional Terms and Conditions

- (a) 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 roadway segments
 - paved parking areas:
all paved parking areas
 - 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 roadway segments
 - unpaved parking areas:

all unpaved parking areas

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 watering and wet sweeping 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 dust suppressants and/or by 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 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 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 paved roadways/parking areas once per day of operation

unpaved roadways and parking areas minimum inspection frequency all unpaved roadways/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.
3. 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. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use. 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.
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 (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 quarterly deviation reports, in accordance with the reporting requirements of the General Terms and Conditions of this permit, 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.

E. Testing Requirements

1. Compliance with the emission limitations specified in A.1 of these terms and conditions shall be determined in accordance with the following methods:
 Emission Limitations:
 54.13 tons of fugitive particulate emissions (PE)/year
 12.24 tons of fugitive particulate matter less than 10 microns (PM10)/year

Applicable Compliance Methods:

The emission limitation was established by summing the total, uncontrolled emissions from paved and unpaved roadways and parking areas and applying a 95% control efficiency for use of best available control measures.

The uncontrolled emissions were based on the following:

- i. for paved roadways and parking areas, multiply the appropriate emission factor as determined from AP-42, Chapter 13.2.1 (revised 12/03) by the maximum vehicle miles traveled and divide by 2000 lbs/ton; and
- ii. for unpaved roadways and parking areas, multiply the appropriate emission factor as determined from AP-42, Chapter 13.2.2 (revised 12/03) by the maximum vehicle miles traveled and divide by 2000 lbs/ton.

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

Emission Limitation:

There shall be no visible particulate emissions from the paved roadways and parking areas except for one minute during any 60-minute period.

Applicable Compliance Method:

If required, compliance with the visible PE limitation listed 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 from the unpaved roadways and parking areas except for three minutes during any 60-minute period

Applicable Compliance Method:

If required compliance with the visible PE limitation listed 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: 0333000049 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>
Storage piles	OAC rule 3745-31-05(C) (PTI #03-17292 issued 10/04/07) OAC rule 3745-17-07(B) OAC rule 3745-17-08(B)	See A.2.b This emissions 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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B) (see A.2.d).

2. Additional Terms and Conditions

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

all storage piles

Permit to Install #03-17292 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3): treatment of the storage piles with water and/or other dust suppressant at sufficient treatment frequencies to ensure controlled potential particulate emissions and emissions of particulate matter 10 microns or less in size are each less than 10.0 tons per year. 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 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 any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

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 storage pile 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 operating conditions.
3. No inspection shall 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. 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.
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 (d) shall be kept separately for (i) the load-in operations, (ii) the loadout operations, and (iii) wind erosion from the pile surfaces, 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, in accordance with the reporting requirements of the General Terms and Conditions of this permit 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.

E. Testing Requirements

1. None

F. Miscellaneous Requirements

1. None

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Facility ID: 0333000049 Emissions Unit ID: F003 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 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>
Mineral extraction	OAC rule 3745-31-05(C) (PTI #03-17292 issued 10/04/07)	See A.2.b
	OAC rule 3745-17-07(B)	This emissions 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).
	OAC rule 3745-17-08(B)	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 emissions unit is exempt from the requirements of OAC rule 3745-17-08(B) (see A.2.e).

2. Additional Terms and Conditions

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

Topsoil/overburden removal, soil loading into trucks, soil unloading - berm building, soil unloading - pit backfilling, blasting, drilling, and material handling - limestone loading into trucks.
 Permit to Install #03-17292 for this air contaminant source takes into account the following voluntary restrictions as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) to ensure controlled potential particulate emissions and emissions of particulate matter 10 microns or less in size are each less than 10.0 tons per year:

- topsoil/overburden removal: minimize area of land disturbance, water application as necessary*
- soil loading into trucks: water application as necessary*
- soil unloading - berm building: reclamation/vegetation practices, water application as necessary*
- soil unloading - pit backfilling: reclamation/vegetation practices, water application as necessary*
- drilling: venting of emissions to baghouse
- blasting: minimize area to be blasted and prevention of overshooting
- material handling - limestone loading into trucks: water application as necessary*

* In accordance with the permit application, the permittee maintains that the inherent moisture content of the aggregate is more than sufficient to comply with all applicable requirements. If at any time the inherent moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.

Nothing in the above table shall prohibit the permittee from employing other control measures to ensure compliance.

For each mineral extraction operation, 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 mineral extraction operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

B. Operational Restrictions

- 1. The permittee shall be limited to 24 blasts per year.
- 2. The permittee shall not process more than 1,272,000 tons of stone per year.

C. Monitoring and/or Record Keeping Requirements

- 1. Except as otherwise provided in this section, for mineral extraction operations that are not adequately enclosed, the permittee shall perform inspections of such operations during representative, normal operating conditions in accordance with the following minimum frequencies:

mineral extraction operation minimum inspection frequency
 all once per day of operation

- 2. 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 C.2.d. shall be kept separately for each mineral extraction operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

3. The permittee shall maintain the following monthly records for each blast:
 - a. the date the blast occurred;
 - b. the total number of blasts each month; and
 - c. the annual year to date, number of blasts (sum of b for each calendar month to date from January to December).
4. The permittee shall maintain monthly records of the quantity of stone processed at the quarry, in tons per month. For each month, the permittee shall also calculate the annual, year-to-date, amount of stone processed (cumulative total of each month to date from January to December).

D. Reporting Requirements

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit 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.
2. The permittee shall submit annual reports that summarize the following:
 - a. the total annual number of blasts per year; and
 - b. the total annual amount of stone processed.

The reports shall be submitted annually, by January 31 of each year, and shall cover the previous calendar year.

E. Testing Requirements

1. None

F. Miscellaneous Requirements

1. None