

Facility ID: 0855780013 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 F003](#)
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Facility ID: 0855780013 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 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>
primary vibrating grizzly screen with water spray control	OAC rule 3745-31-05 (PTI 08-3802)	1.06 lbs/hr and 1.76 TPY of particulates
	40 CFR Part 60, Subpart OOO	See A.2.b. below. Visible emissions from any screening operation shall not exceed 10% opacity as a 6-minute average.
	OAC rule 3745-17-07(B)(1)	Less stringent than the opacity limitation specified above in accordance with 40 CFR Part 60, Subpart OOO (see A.2.c).
	OAC rule 3745-17-08(B)	Less stringent than the control requirement specified above in accordance with OAC rule 3745-31-05 (see A.2.c).

2. **Additional Terms and Conditions**
 - (a) The short-term particulate emissions limitation (1.06 lbs/hour) was developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit. The aggregate materials processed through the primary vibrating grizzly screen shall have either inherent moisture or water spray control sufficient to minimize or eliminate visible emissions of fugitive dust from the primary vibrating grizzly screen and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. This rule is applicable only if and when the emissions unit is located in an Appendix A area, as specified in OAC rule 3745-17-08.

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 2 million tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the quantity of crushed stone produced in this emissions unit, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which summarize the annual production of crushed stone in this emissions unit. These reports shall be submitted by January 31 of each year, and shall reflect operations during the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:
Emission Limitation:

1.06 lbs/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production of 600 tons/hour by the particulate emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

1.76 tpy of particulates

Applicable Compliance Method:

Compliance shall be based upon record keeping and emissions calculation using the following equation:

$$E = P \times K \times (1 \text{ ton}/2000 \text{ lbs})$$

where:

E = annual mass emissions of particulates;

P = the annual production of crushed stone, in tons, i.e., the sum of the monthly records required in section C.1; and

K = AP-42 emission factor for screening operations, 0.001764 lb/ton.

Emission Limitation:

10% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3754-31-03 (A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install providing the following criteria are met:

i. the portable emissions unit is equipped with the best available control technology for such a portable emissions unit;

ii. the portable emissions unit is operating pursuant to a currently effective permit to operate;

iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) within a minimum of thirty days prior to the scheduled relocation; and

iv. in the Director's judgement (the appropriate District Offices or local air agencies with authority over the current and proposed locations), the proposed site is acceptable under the OAC rule 3745-15-07.

Alternatively, 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 permit to install providing the following criteria of OAC rule 3745-31-05(F) are met:

i. the portable emissions unit permittee possesses a currently effective permit to install, permit to operate, or registration status issued by Ohio EPA;

ii. the portable emissions unit is equipped with best available technology;

iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;

iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

v. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

vi. 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 this proposed site; and

vii. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation. Any site approvals issued by the Ohio EPA, pursuant to section F.1.b above, shall be valid for no longer than three years and are subject to renewal.

In order for the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) 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, respectively) prior to the relocation of the emissions unit with the Regional Air Pollution Control Agency (RAPCA, 451 W. Third St., Dayton, OH, 45422) and the appropriate District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, RAPCA and/or appropriate field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

2. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted

emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.

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Facility ID: 0855780013 Emissions Unit ID: F004 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>
secondary vibrating screen with water spray control	OAC rule 3745-31-05 (PTI 08-3802)	0.62 lb/hr and 0.88 TPY of particulates
	40 CFR Part 60, Subpart OOO	See A.2.b. below. Visible emissions from any screening operation shall not exceed 10% opacity as a 6-minute average.
	OAC rule 3745-17-07(B)	Less stringent than the opacity limitation specified above in accordance with 40 CFR Part 60, Subpart OOO (see A.2.c).
	OAC rule 3745-17-08(B)	Less stringent than the control requirement specified above in accordance with OAC rule 3745-31-05 (see A.2.c).

2. Additional Terms and Conditions

- (a) The short-term particulate emissions limitation (0.62 lb/hr) was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
The aggregate materials processed through the secondary vibrating grizzly screen shall have either inherent moisture or water spray control sufficient to minimize or eliminate visible emissions of fugitive dust from the secondary vibrating grizzly screen and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
This rule is applicable only if and when the emissions unit is located in an Appendix A area, as specified in OAC rule 3745-17-08.

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 1 million tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the quantity of crushed stone produced in this emissions unit, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports which summarize the annual production of crushed stone in this emissions unit. These reports shall be submitted by January 31 of each year, and shall reflect operations during the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:
Emission Limitation:
0.62 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production of 350 tons/hour by the particulate emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

0.88 tpy of particulates

Applicable Compliance Method:

Compliance shall be based upon record keeping and emissions calculation using the following equation:

$$E = P \times K \times (1 \text{ ton}/2000 \text{ lbs})$$

where:

E = annual mass emissions of particulates;

P = the annual production of crushed stone, in tons, i.e., the sum of the monthly records required in section C.1; and

K = AP-42 emission factor for screening operations, 0.001764 lb/ton.

Emission Limitation:

10% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3754-31-03 (A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install providing the following criteria are met:

i. the portable emissions unit is equipped with the best available control technology for such a portable emissions unit;

ii. the portable emissions unit is operating pursuant to a currently effective permit to operate;

iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) within a minimum of thirty days prior to the scheduled relocation; and

iv. in the Director's judgement (the appropriate District Offices or local air agencies with authority over the current and proposed locations), the proposed site is acceptable under the OAC rule 3745-15-07.

Alternatively, 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 permit to install providing the following criteria of OAC rule 3745-31-05(F) are met:

i. the portable emissions unit permittee possesses a currently effective permit to install, permit to operate, or registration status issued by Ohio EPA;

ii. the portable emissions unit is equipped with best available technology;

iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;

iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

v. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

vi. 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 this proposed site; and

vii. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation. Any site approvals issued by the Ohio EPA, pursuant to section F.1.b above, shall be valid for no longer than three years and are subject to renewal.

In order for the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) 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, respectively) prior to the relocation of the emissions unit with the Regional Air Pollution Control Agency (RAPCA, 451 W. Third St., Dayton, OH, 45422) and the appropriate District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, RAPCA and/or appropriate field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

2. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.

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Facility ID: 0855780013 Emissions Unit ID: F005 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>
wash screens with water spray	OAC rule 3745-31-05 (PTI 08-3802)	1.06 lbs/hr and 1.76 TPY of particulates
	40 CFR Part 60, Subpart OOO	See A.2.b. below.
	OAC rule 3745-17-07(B)	no visible emissions (see D.2)
	OAC rule 3745-17-08(B)	Less stringent than the opacity limitation specified above in accordance with 40 CFR Part 60, Subpart OOO (see A.2.c).
		Less stringent than the control requirement specified above in accordance with OAC rule 3745-31-05 (see A.2.c).

2. Additional Terms and Conditions

- (a) The short-term mass emission limitation for particulates (1.06 lbs/hr) was developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

The aggregate materials processed through the wash screens shall have either inherent moisture or water spray control sufficient to minimize or eliminate visible emissions of fugitive dust from the wash screens and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.

This rule is applicable only if and when the emissions unit is located in an Appendix A area, as specified in OAC rule 3745-17-08.

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 2 million tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the quantity of crushed stone produced in this emissions unit, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports that summarize the annual production of crushed stone in this emissions unit. These reports shall be submitted by January 31 of each year, and shall reflect operations during the previous calendar year.
2. The permittee shall report any change in the saturated or unsaturated nature of the material being processed in this emissions unit within 30 days of the change. The emissions unit becomes subject to the provisions of the standard applicable to the type of material being processed upon a change in process material saturation.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

Emission Limitation:

1.06 lbs/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production of 600 tons/hour by the particulate emission factor of 0.001764 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

1.76 tpy of particulates

Applicable Compliance Method:

Compliance shall be based upon record keeping and emissions calculation using the following equation:

$$E = P \times K \times (1 \text{ ton}/2000 \text{ lbs})$$

where:

E = annual mass emissions of particulates;

P = the annual production of crushed stone, in tons, i.e., the sum of the monthly records required in section C.1; and

K = AP-42 emission factor for screening operations, 0.001764 lb/ton.

Emission Limitation:

no visible emissions

Applicable Compliance Method:

If required, compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 22 of 40 CFR Part 60, Appendix A. Pursuant to 40 CFR 60.675 (h), no initial compliance demonstration using Reference Method 9 of 40 CFR Part 60, Appendix A, is required for this emissions unit so long as the process stream remains saturated.

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3754-31-03 (A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install providing the following criteria are met:

i. the portable emissions unit is equipped with the best available control technology for such a portable emissions unit;

ii. the portable emissions unit is operating pursuant to a currently effective permit to operate;

iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) within a minimum of thirty days prior to the scheduled relocation; and

iv. in the Director's judgement (the appropriate District Offices or local air agencies with authority over the current and proposed locations), the proposed site is acceptable under the OAC rule 3745-15-07.

Alternatively, 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 permit to install providing the following criteria of OAC rule 3745-31-05(F) are met:

i. the portable emissions unit permittee possesses a currently effective permit to install, permit to operate, or registration status issued by Ohio EPA;

ii. the portable emissions unit is equipped with best available technology;

iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;

iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

v. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

vi. 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 this proposed site; and

vii. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation. Any site approvals issued by the Ohio EPA, pursuant to section F.1.b above, shall be valid for no longer than three years and are subject to renewal.

In order for the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) 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, respectively) prior to the relocation of the emissions unit with the Regional Air Pollution Control Agency (RAPCA, 451 W. Third St., Dayton, OH, 45422) and the appropriate District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, RAPCA and/or appropriate field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

2. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.

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Facility ID: 0855780013 Emissions Unit ID: F006 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>
materials handling (transfer, conveying, loading)	OAC rule 3745-31-05 (PTI 08-3802)	1.91 lbs/hr and 2.94 TPY of particulates
	40 CFR Part 60, Subpart OOO	See A.2.b. below.
	OAC rule 3745-17-07(B)	Visible emissions from any transfer point shall not exceed 10% opacity as a 6-minute average.
	OAC rule 3745-17-08(B)	Less stringent than the opacity limitation specified above in accordance with 40 CFR Part 60, Subpart OOO (see A.2.c).
	OAC rule 3745-17-08(B)	Less stringent than the control requirement specified above in accordance with OAC rule 3745-31-05 (see A.2.c).

2. Additional Terms and Conditions

- (a) The short-term mass emission limitation for particulates (1.91 lbs/hr) was developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit. The aggregate materials processed through the materials handling feeders, conveyors, and transfer points shall have either inherent moisture or water spray control sufficient to minimize or eliminate visible emissions of fugitive dust from the materials handling feeders, conveyors, and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. This rule is applicable only if and when the emissions unit is located in an Appendix A area, as specified in OAC rule 3745-17-08.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the quantity of crushed stone produced in this emissions unit, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports that summarize the annual production of crushed stone in this emissions unit. These reports shall be submitted by January 31 of each year, and shall reflect operations during the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:
Emission Limitation:

1.91 lbs/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production of 650 tons/hour by the particulate emission factor of 0.00294 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

2.94 tpy of particulates

Applicable Compliance Method:

Compliance shall be based upon record keeping and emission calculation using the following equation:

$$E = P \times K \times (1 \text{ ton}/2000 \text{ pounds})$$

where:

E = the annual mass emissions of particulates;
 P = the annual production of crushed stone, in tons, i.e., the sum of the monthly records required in section C.1;
 and
 K = AP-42 emissions factor for material handling, 0.00294 lb/ton.
 Emission Limitation:

10% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to Ohio Administrative Code (OAC) rule 3754-31-03 (A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install providing the following criteria are met:

i. the portable emissions unit is equipped with the best available control technology for such a portable emissions unit;

ii. the portable emissions unit is operating pursuant to a currently effective permit to operate;

iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) within a minimum of thirty days prior to the scheduled relocation; and

iv. in the Director's judgement (the appropriate District Offices or local air agencies with authority over the current and proposed locations), the proposed site is acceptable under the OAC rule 3745-15-07. Alternatively, 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 permit to install providing the following criteria of OAC rule 3745-31-05(F) are met:

i. the portable emissions unit permittee possesses a currently effective permit to install, permit to operate, or registration status issued by Ohio EPA;

ii. the portable emissions unit is equipped with best available technology;

iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;

iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

v. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

vi. 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 this proposed site; and

vii. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation. Any site approvals issued by the Ohio EPA, pursuant to section F.1.b above, shall be valid for no longer than three years and are subject to renewal.

In order for the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) 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, respectively) prior to the relocation of the emissions unit with the Regional Air Pollution Control Agency (RAPCA, 451 W. Third St., Dayton, OH, 45422) and the appropriate District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, RAPCA and/or appropriate field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

2. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit is subject to public disclosure in accordance with OAC rule 3745-49-03.

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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>
primary impact crusher with water spray control	OAC rule 3745-31-05 (PTI 08-3802)	0.42 lb/hr and 0.70 TPY of particulates
	40 CFR Part 60, Subpart OOO	See A.2.b. below.
	OAC rule 3745-17-07(B)(1)	Visible emissions from any crushing operation shall not exceed 15% opacity as a 6-minute average.
	OAC rule 3745-17-08(B)	Less stringent than the opacity limitation specified above in accordance with 40 CFR Part 60, Subpart OOO (see A.2.c).
		Less stringent than the control requirement specified above in accordance with OAC rule 3745-31-05 (see A.2.c).

2. Additional Terms and Conditions

- (a) The short-term mass emission limitation for particulates (0.42 lb/hr) was developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit. The aggregate materials processed through the primary impact crusher shall have either inherent moisture or water spray control sufficient to minimize or eliminate visible emissions of fugitive dust from the primary impact crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained. This rule is applicable only if and when the emissions unit is located in an Appendix A area, as specified in OAC rule 3745-17-08.

B. Operational Restrictions

- 1. The maximum annual production rate for this emissions unit shall not exceed 2 million tons.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall maintain monthly records of the quantity of crushed stone produced in this emissions unit, in tons.

D. Reporting Requirements

- 1. The permittee shall submit annual reports that summarize the annual production of crushed stone in this emissions unit. These reports shall be submitted by January 31 of each year, and shall reflect operations during the previous calendar year.

E. Testing Requirements

- 1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

Emission Limitation:

0.42 lb/hr of particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production of 600 tons/hour by the particulate emission factor of 0.00070 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

0.70 tpy of particulates

Applicable Compliance Method:

Compliance shall be based upon record keeping and emissions calculation using the following equation:

$$E = P \times K \times (1 \text{ ton}/2000 \text{ lbs})$$

where:

E = annual mass emissions of particulates;

P = the annual production of crushed stone, in tons, i.e., the sum of the monthly records required in section C.1; and

K = AP-42 emission factor for crushing operations, 0.00070 lb/ton.

Emission Limitation:

15% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined through visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source
Pursuant to Ohio Administrative Code (OAC) rule 3754-31-03 (A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install providing the following criteria are met:
 - i. the portable emissions unit is equipped with the best available control technology for such a portable emissions unit;
 - ii. the portable emissions unit is operating pursuant to a currently effective permit to operate;
 - iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) within a minimum of thirty days prior to the scheduled relocation; and
 - iv. in the Director's judgement (the appropriate District Offices or local air agencies with authority over the current and proposed locations), the proposed site is acceptable under the OAC rule 3745-15-07. Alternatively, 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 permit to install providing the following criteria of OAC rule 3745-31-05(F) are met:
 - i. the portable emissions unit permittee possesses a currently effective permit to install, permit to operate, or registration status issued by Ohio EPA;
 - ii. the portable emissions unit is equipped with best available technology;
 - iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;
 - iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - v. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - vi. 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 this proposed site; and
 - vii. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to section F.1.b above, shall be valid for no longer than three years and are subject to renewal.

In order for the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) 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, respectively) prior to the relocation of the emissions unit with the Regional Air Pollution Control Agency (RAPCA, 451 W. Third St., Dayton, OH, 45422) and the appropriate District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, RAPCA and/or appropriate field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.
2. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.

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

Facility ID: 0855780013 Emissions Unit ID: P012 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
secondary impact crusher with water spray control	OAC rule 3745-31-05 (PTI 08-3802)	1.76 lbs/hr and 2.52 TPY of particulates
	40 CFR Part 60, Subpart OOO	See A.2.b. below.
	OAC rule 3745-17-07(B)	Visible emissions from any crushing operation shall not exceed 15% opacity as a 6-minute average.
	OAC rule 3745-17-08(B)	Less stringent than the opacity limitation specified above in accordance with 40 CFR Part 60, Subpart OOO (see A.2.c).
		Less stringent than the control requirement specified above in accordance with OAC rule 3745-31-05 (see A.2.c).

2. Additional Terms and Conditions

- (a) The short-term mass emission limitation for particulates (1.76 lbs/hr) was developed for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.
 The aggregate materials processed through the secondary impact crusher shall have either inherent moisture or water spray control sufficient to minimize or eliminate visible emissions of fugitive dust from the secondary impact crusher and transfer point(s), so that compliance with the opacity requirement(s) specified above is continuously maintained.
 This rule is applicable only if and when the emissions unit is located in an Appendix A area, as specified in OAC rule 3745-17-08.

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 1 million tons.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the quantity of crushed stone produced in this emissions unit, in tons.

D. Reporting Requirements

1. The permittee shall submit annual reports that summarize the annual production of crushed stone in this emissions unit. These reports shall be submitted by January 31 of each year, and shall reflect operations during the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in section A.1 shall be determined in accordance with the following methods:

Emission Limitation:

1.76 lbs/hr particulates

Applicable Compliance Method:

Compliance shall be determined by multiplying the maximum hourly production of 350 tons/hour by the particulate emission factor of 0.00504 lb/ton, as specified in USEPA reference document AP-42, Table 11.19.2-2.

Emission Limitation:

2.52 tpy of particulates

Applicable Compliance Method:

Compliance shall be based upon record keeping and emissions calculation using the following equation:

$$E = P \times K \times (1 \text{ ton}/2000 \text{ lbs})$$

where:

E = annual mass emissions of particulates;

P = the annual production of crushed stone, in tons, i.e., the sum of the monthly records required in section C.1;

and

K = AP-42 emission factor for crushing operations, 0.00504 lb/ton.

Emission Limitation:

15% opacity as a 6-minute average

Applicable Compliance Method:

Compliance shall be determined by visible emission evaluations performed using the methods and procedures specified in Reference Method 9 of 40 CFR Part 60, Appendix A, and 40 CFR 60.675(c).

F. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source
Pursuant to Ohio Administrative Code (OAC) rule 3754-31-03 (A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a permit to install providing the following criteria are met:
 - i. the portable emissions unit is equipped with the best available control technology for such a portable emissions unit;
 - ii. the portable emissions unit is operating pursuant to a currently effective permit to operate;
 - iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) within a minimum of thirty days prior to the scheduled relocation; and
 - iv. in the Director's judgement (the appropriate District Offices or local air agencies with authority over the current and proposed locations), the proposed site is acceptable under the OAC rule 3745-15-07. Alternatively, 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 permit to install providing the following criteria of OAC rule 3745-31-05(F) are met:
 - i. the portable emissions unit permittee possesses a currently effective permit to install, permit to operate, or registration status issued by Ohio EPA;
 - ii. the portable emissions unit is equipped with best available technology;
 - iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;
 - iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - v. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - vi. 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 this proposed site; and
 - vii. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation. Any site approvals issued by the Ohio EPA, pursuant to section F.1.b above, shall be valid for no longer than three years and are subject to renewal.

In order for the Director (the appropriate District Offices or local air agencies with authority over the current and proposed locations) 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, respectively) prior to the relocation of the emissions unit with the Regional Air Pollution Control Agency (RAPCA, 451 W. Third St., Dayton, OH, 45422) and the appropriate District Office or local air agency having jurisdiction over the new site. Upon receipt of the notice, RAPCA and/or appropriate field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.
2. The permittee is hereby notified that this permit and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.