

Synthetic Minor Determination and/or **Netting Determination**

Permit To Install **04-01292**

A. Description of Sources

This is a permit to install for a new portable aggregate processing plant with primary and secondary crushing and screening for limestone, sand, gravel, concrete, RAP, and slag. The plant has a maximum rated capacity of 500 tons per hour. The equipment includes 550 kW diesel fueled internal combustion engine(B001) that powers aggregate crushing, screening and conveying units (F001). Aggregate storage piles (F002) and roadways and parking areas (F003) are also covered by this permit.

B. Facility Determination

The particulate emission limitation of 15.55 tons per year is given, based on 1.5 million tons per year of production, to avoid being considered a major source in case if the plant is relocated.

C. Source Emissions

Particulates are emitted from the generator and from the three F-sources. The unrestricted PE emissions from the F-sources are 41.17 tons/year. This is based on production of 4.38 million tons/year. Limiting production to 1.5 million tons per year, permit allowable PE emissions for the F-sources become 14.16 tons/year. Adding 1.39 tons PE/year (generator's potential to emit) will make total permit allowable emissions equal to 15.55 tons PE/year.

All other pollutants are emitted from the generator and are equal to the potential to emit.

Pollutant	Tons Per Year
PE	15.55
CO	17.77
NOx	15.82
S02	12.92
VOC	2.07

D. Conclusions

This permit allowable emission will not trigger Emissions Offset Policy, PSD or NAA review.



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov. Center

**RE: DRAFT PERMIT TO INSTALL
LUCAS COUNTY**

CERTIFIED MAIL

Application No: 04-01292

DATE: 5/21/2002

Consolidated Crushed Stone
Lee Barr
810 Barnes Rd.
Mason, MI 48854

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$900** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

TDES

Toledo Metro. Area Council of Gov.

IN

MI



**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 04-01292

Application Number: 04-01292
APS Premise Number: 0448011714
Permit Fee: **To be entered upon final issuance**
Name of Facility: Consolidated Crushed Stone
Person to Contact: Lee Barr
Address: 810 Barnes Rd.
Mason, MI 48854

Location of proposed air contaminant source(s) [emissions unit(s)]:

**3332 St. Lawrence Dr.
Toldeo, Ohio**

Description of proposed emissions unit(s):

Portable aggregate processing plant with primary and secondary crushing, screening, conveying and material handling operations.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any

information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

Consolidated Crushed Stone
PTI Application: 04-01292
Issued: To be entered upon final issuance

Facility ID: 0448011714

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

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

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule

3745-77-08(C)(3)(d).

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	15.55
CO	17.77
NOx	15.82
S02	12.92
VOC	2.07

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- The specific operations(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 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>
B001 -Generator #1, 550 kW (737 bhp) diesel fueled internal combustion engine with timing retard and positive crankcase ventilation.	OAC 3745-17-07(A)(1)	20% opacity as a 6-minute average except as provided by rule.
	OAC 3745-17-11(B)(5)(b)	0.062 pound of particulate emissions (PE) per mmBtu.
	OAC 3745-18-06(B)	See A.2.a.
	OAC 3745-21-07(B)	See A.2.c.
	OAC 3745-21-08(B)	See A.2.c.
	OAC 3745-23-06(B)	See A.2.c.
	OAC rule 3745-31-05(A)(3)	4.06 pounds of carbon monoxide (CO) per hour, 17.77 tons of CO per year, 1.39 ton of PE per year, 9.59 pounds of nitrogen oxides (NOx) per hour, 15.82 tons of NOx per year, 2.95 pounds of sulfur dioxide (SO2) per hour, 12.92 tons of SO2 per year, 0.47 pounds of volatile organic compounds (VOC) per hour, 2.07 tons of VOC per year, and see A.2.b, B.1, and B.4.

2. Additional Terms and Conditions

- 2.a** Exemption from SO2 requirements: stationary internal combustion engine less than 10 mmBtu per hour.
- 2.b** The requirements of this rule also include compliance with the requirements of OAC 3745-17-07(A)(1) and OAC 3745-17-11(B)(5).
- 2.c** The permittee has satisfied the "best available control technologies and operating practices" required pursuant to OAC rule 3745-21-08(B) and the "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07(B) and 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

B. Operational Restrictions

- 1. The permittee shall use only diesel fuel with a maximum sulfur content of 0.5% by weight for combustion in this emissions unit.
- 2. The permittee shall maintain and operate a positive crankcase ventilation system at all times when the emissions unit is in operation.
- 3. Engine ignition shall be retarded at least 4 degrees from peak power settings at all times when the emissions unit is in operation.
- 4. The maximum annual operating hours for this emissions unit shall not exceed 3,300 hours.

C. Monitoring and/or Recordkeeping Requirements

- 1. For each day during which the permittee burns a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight, the permittee shall maintain a record of the type, sulfur content and quantity of fuel burned in this emissions unit.
- 2. The permittee shall maintain daily records that document any time periods when the positive crankcase ventilation system was not in service when the emissions unit was in operation.
- 3. The permittee shall maintain daily records that document any time periods when the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.
- 4. The permittee shall maintain monthly records of the operating hours for each month and the number of operating hours per year.

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Emissions Unit ID: **B001**

Issued: To be entered upon final issuance

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day during which a fuel other than diesel fuel with a maximum sulfur content of 0.5% by weight is used in this emissions unit.
2. The permittee shall submit deviation (excursion) reports that identify each day during which the positive crankcase ventilation system was not in service when the emissions unit was in operation.
3. The permittee shall submit deviation (excursion) reports that identify each day during which the engine ignition was not retarded at least 4 degrees from peak power settings when the emissions unit was in operation.
4. Each deviation report shall be submitted to the Toledo Division of Environmental Services (TDOES) within 30 days of the discovery of the deviation.
5. The permittee shall submit an annual report summarizing the annual operating hours for this emissions unit. This report shall be submitted to the TDOES by January 30th of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitation(s) of these terms and conditions shall be determined in accordance with the following methods(s):

- a. Emission Limitation: 20% opacity as a six-minute average.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation through visible emission readings performed in accordance with Method 9 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC 3745-17-03(B)(1).

- b. Emission Limitation: 4.06 pounds CO per hour.

Applicable Compliance Method: Compliance shall be based upon an emission factor of 0.0055 lb CO per bhp-hr times the maximum capacity of 731 hp for the engine. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in

Consolidated Crushed Stone
PTI Application 04-01202
Issue

Facility ID: 0448011714

Emissions Unit ID: B001

Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A.

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PTI 1

Emissions Unit ID: **B001**

Issued: To be entered upon final issuance

- c. Emission Limitation: 17.70 tons CO per year.

Applicable Compliance Method: This limitation was established by multiplying the 4.06 pounds per hour emission rate by 8760 hours of operation per year and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

- d. Emission Limitation: 9.59 pounds of NOx per hour.

Applicable Compliance Method: Compliance shall be based upon an emission factor of 0.013 lb NOx per bhp-hr times the maximum capacity of 737 hp for the engine. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1. If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A.

- e. Emission Limitation: 15.82 tons NOx per year.

Applicable Compliance Method: This limitation was established by multiplying the 9.59 pounds per hour emission rate by the operating hours restriction under B.4 and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation and the hours of operation restriction, compliance shall also be shown with the annual emission limitation.

- f. Emission Limitation: 0.062 pound PE per mmBtu.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(10).

- g. Emission Limitation: 0.52 ton PE per rolling, 12-month period.

Applicable Compliance Method: This limitation was established by multiplying 0.0062 lb/mmBtu by the 7000 Btu/hp-hr, by 737 hp, by 8760 hours per year and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the pound per mmBtu limitation, compliance shall also be shown with the annual emission limitation.

- h. Emission Limitation: 2.95 pounds of SO2 per hour.

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Emissions Unit ID: **B001**

Issued: To be entered upon final issuance

Applicable Compliance Method: Compliance shall be based upon an emission factor of 0.0040 lb SO₂ per bhp-hr times the maximum capacity of 737 hp for the engine. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1. If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04.

- i. Emission Limitation: 12.92 tons SO₂ per year.

Applicable Compliance Method: This limitation was established by multiplying the 2.95 pounds per hour emission rate by 8760 hours per year and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

- j. Emission Limitation: 0.47 pound VOC per hour.

Applicable Compliance Method: Compliance shall be based upon an emission factor of 0.00247 lb VOC per bhp-hr times the maximum capacity of 737 hp for the engine. This emission factor is specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 10/96 Section 3.3, Table 3.3-1. If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 through 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.

- k. Emission Limitation: 2.07 tons per year.

Applicable Compliance Method: This limitation was established by multiplying the 0.47 pound per hour emission rate by 8760 hour per year and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

- 2. Alternative U.S. EPA approved test methods may be used to demonstrate compliance with the above emissions limitations with prior approval from the Ohio EPA.

F. Miscellaneous Requirements

Notice to Relocate a Portable or Mobile Source

- 1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a

Consolidated Crushed Stone
PTI Application 04-01202
Issue

Facility ID: 0448011714

Emissions Unit ID: B001

PTI providing the following criteria are met:

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

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PTI

Emissions Unit ID: **B001**

Issued: To be entered upon final issuance

- b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Toledo Division of Environmental Services (TDOES) and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and
 - d. in the TDOES's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
 2. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emission unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
 - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
 - f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
 - g. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.
 3. Any site approvals issued by the Ohio EPA, pursuant to section F.2. above, shall be valid for no longer than three years and are subject to renewal.

In order for the TDOES and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame

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Emissions Unit ID: **B001**

Issued: To be entered upon final issuance

(30 or 15 days) prior to the relocation of the emissions unit with the TDOES (348 S. Erie Street,

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Emissions Unit ID: **B001**

Issued: To be entered upon final issuance

Toledo, OH 43602) and the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the TDOES 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.

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Emissions Unit ID: F001

Issued: To be entered upon final issuance

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
F001 - Portable aggregate processing plant with primary and secondary crushing, screening, conveying and material handling operations.	OAC rule 3745-31-05	Use of Best Available Control Measures (see A.2.a and A.2.f)
		See A.2.g
	OAC rule 3745-31-05(D)	2.86 tons/year fugitive particulate emissions (PE)
	40CFR Part 60 Subpart OOO	Visible Emission Restrictions (see A.2.e, A.2.f and A.2.h)
		See B.1
	See A.2.d	
	OAC rule 3745-17-07(B)	See A.2.d
	OAC rule 3745-17-08(B)	

2. Additional Terms and Conditions

- 2.a The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

<u>material handling operation</u>	<u>control measure(s)</u>
loading and unloading	reduced drop height
transfer points	wet suppression
primary crushing and screening	water sprays

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.b** For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- 2.c** Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
- 2.d** This emissions unit is a portable source and is subject to the requirements of OAC rule 3745-17-07(B) and 3745-17-08(B) when located in an "Appendix A" area as identified in OAC rule 3745-17-08. The emission limitations and control requirements established by OAC rule 3745-17-07(B) and 3745-17-08(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05 and NSPS Subpart OOO.
- 2.e** Visible emissions from the material processing equipment when processing non-metallic minerals shall not exceed the following visible emission limitations:

Emissions Point (Company ID)	Equipment Type	Opacity Limit as a 6-minute average	Regulatory Basis for Limit
front loader unloading	transfer point	20%	OAC rule 3745-31-05
crusher 1	crusher	15%	NSPS, Subpart OOO
crusher 1 to conveyor 1	transfer point	5%	OAC rule 3745-31-05
conveyor 1 to screen 1	transfer point	5%	OAC rule 3745-31-05
screen1	screen	5%	OAC rule 3745-31-05
screen 1 to crusher 2	transfer point	5%	OAC rule 3745-31-05
crusher 2	crusher	15%	NSPS, Subpart OOO
crusher 2 to conveyor 7	transfer point	5%	OAC rule 3745-31-05
conveyor 7 to conveyor 8	transfer point	5%	OAC rule 3745-31-05
conveyor 8 to conveyor 1	transfer point	5%	OAC rule 3745-31-05

Cons

PTI 1

Emissions Unit ID: **F001****Issued: To be entered upon final issuance**

crusher 2 to conveyor 9	transfer point	5%	OAC rule 3745-31-05
conveyor 9 to conveyor 10	transfer point	5%	OAC rule 3745-31-05
conveyor 10 to conveyor 11	transfer point	5%	OAC rule 3745-31-05
screen 1 to conveyor 2	transfer point	5%	OAC rule 3745-31-05
conveyor 2 to screen 2	transfer point	5%	OAC rule 3745-31-05
screen 2	screen	5%	OAC rule 3745-31-05
screen 2 to conveyor 3	transfer point	5%	OAC rule 3745-31-05
conveyor 3 to conveyor 4	transfer point	5%	OAC rule 3745-31-05
screen 2 to conveyor 5	transfer point	5%	OAC rule 3745-31-05
conveyor 5 to conveyor 6	transfer point	5%	OAC rule 3745-31-05
conveyor 4 to storage pile	transfer point	no visible emissions, except for a period of time not to exceed one minute during and 60-minute observation point	OAC rule 3745-31-05
conveyor 5 to storage pile	transfer point	no visible emissions, except for a period of time not to exceed one minute during and 60-minute observation point	OAC rule 3745-31-05
conveyor 6 to storage pile	transfer point	no visible emissions, except for a period of time not to exceed one minute during and 60-minute observation point	OAC rule 3745-31-05

2.f Visible emissions from the material processing equipment when processing materials other than non-metallic minerals shall not exceed the following visible emissions limitations:

Emissions Point (Company ID)	Equipment Type	Opacity Limit as a 6-minute average	Regulatory Basis for Limit
front loader unloading	transfer point	20%	OAC rule 3745-31-05
crusher 1	crusher	15%	OAC rule 3745-31-05
crusher 1 to conveyor 1	transfer point	5%	OAC rule 3745-31-05
conveyor 1 to screen 1	transfer point	10%	OAC rule 3745-31-05
screen1	screen	10%	OAC rule 3745-31-05
screen 1 to crusher 2	transfer point	10%	OAC rule 3745-31-05
crusher 2	crusher	15%	OAC rule 3745-31-05

crusher 2 to conveyor 7	transfer point	10%	OAC rule 3745-31-05
conveyor 7 to conveyor 8	transfer point	10%	OAC rule 3745-31-05
conveyor 8 to conveyor 1	transfer point	10%	OAC rule 3745-31-05
crusher 2 to conveyor 9	transfer point	10%	OAC rule 3745-31-05
conveyor 9 to conveyor 10	transfer point	10%	OAC rule 3745-31-05
conveyor 10 to conveyor 11	transfer point	10%	OAC rule 3745-31-05
screen 1 to conveyor 2	transfer point	10%	OAC rule 3745-31-05
conveyor 2 to screen 2	transfer point	10%	OAC rule 3745-31-05
screen 2	screen	10%	OAC rule 3745-31-05
screen 2 to conveyor 3	transfer point	10%	OAC rule 3745-31-05
conveyor 3 to conveyor 4	transfer point	10%	OAC rule 3745-31-05
screen 2 to conveyor 5	transfer point	10%	OAC rule 3745-31-05
conveyor 5 to conveyor 6	transfer point	10%	OAC rule 3745-31-05
conveyor 4 to storage pile	transfer point	no visible emissions, except for a period of time not to exceed one minute during and 60-minute observation point	OAC rule 3745-31-05
conveyor 5 to storage pile	transfer point	no visible emissions, except for a period of time not to exceed one minute during and 60-minute observation point	OAC rule 3745-31-05
conveyor 6 to storage pile	transfer point	no visible emissions, except for a period of time not to exceed one minute during and 60-minute observation point	OAC rule 3745-31-05

2.g The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart OOO and OAC rule 3745-31-05(D).

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

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 1.5 million tons per year, based upon a rolling, 12-month summation of the monthly production.

Cons

PTI /

Issued: To be entered upon final issuance

Emissions Unit ID: **F001**

To ensure enforceability during the first 12 calendar months of operation following the issuance of the permit, the permittee shall not exceed the production levels specified in the following table:

<u>Month</u>	<u>Maximum Allowable Cumulative Production</u>
1	365,000
1-2	730,000
1-3	1,095,000
1-4	1,460,000
1-5	1,500,000
1-6	1,500,000
1-7	1,500,000
1-8	1,500,000
1-9	1,500,000
1-10	1,500,000
1-11	1,500,000
1-12	1,500,000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

2. This facility shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form at least 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(1)(p). Approval of the planned relocation must be obtained from Toledo Division of Environmental Services (TDOES) prior to the relocation. The "Notice of Intent to Relocate a Portable or Mobile Source" shall include all associated emission units such as roadways and parking areas and storage piles.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount (tons per month and total tons, to date, for the calendar year) of material processed through this emissions unit.
2. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
aggregate processing including crushing, screening, conveying.	daily

3. The above-mentioned inspections shall be performed during representative, normal operating conditions.
4. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or TDOES, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
5. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 5.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

6. The permittee shall maintain monthly records of the following information:
 - a. The production rate for each month.
 - b. Beginning after the first 12 calendar months of operation following the issuance of the permit, the rolling, 12-month summation of the production rates.

Also, during the first 12 calendar months of operation following the issuance of the permit, the permittee shall record the cumulative production rate for each calendar month.

D. Reporting Requirements

1. The permittee shall submit annual deviation (excursion) reports that identify any exceedances of the annual material throughput limitation, as well as the corrective actions that have been taken to

Cons

PTI

Emissions Unit ID: **F001**

Issued: To be entered upon final issuance

achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report which states that no deviations occurred during the calendar year. These reports shall be submitted by January 31 of each year.

2. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month production rate limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative production levels. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(1).
3. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
 - a. construction date (no later than 30 days after such date);
 - b. actual start-up date (within 15 days after such date); and
 - c. date of performance testing (if required, at least 30 days prior to testing).

The notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

Reports are to be sent to:

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

Cons

PTI 1

Emissions Unit ID: F001

Issued: To be entered upon final issuance

and City of Toledo, Division of Environmental Services
Quilter Environmental Center
348 South Erie Street
Toledo, Ohio 43602-1633

4. A screening operation that processes saturated material and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. In this case the permittee becomes subject to the 10 percent opacity limit and the emission test requirements. Likewise a screening operation that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation is then subject to the no visible emission limit.

E. Testing Requirements

1. Compliance Methods Requirements:

- a. Emission Limitations: 2.86 TPY fugitive PE

Applicable Compliance Method:

The emission limitation was developed by multiplying the annual maximum throughput of 1,500,000 tons by emissions factors in AP-42 Chapter 11.19.2 (revised 1/95). The permittee shall demonstrate compliance by the monitoring and recordkeeping of the annual throughput in section B.1.

- b. Emission Limitation:

5% opacity for transfer points and screens when non-metallic mineral is the process

material

10% opacity for transfer points and screens with all other applicable process materials

Applicable Compliance Method:

Compliance with this limitation shall be demonstrated using Method 9 for particulate matter with the following additions:

- i. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- ii. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

Emissions Unit ID: **F001**

- iii. For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

When determining compliance with the fugitive emissions using Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- iv. There are no individual readings greater than 10 percent opacity; and
- v. There are no more than 3 readings of 10 percent for the 1-hour period.

If emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

- vi. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.
- vii. Separate the emissions so that the opacity of emissions from each affected facility can be read.

- c. Emission Limitation:
15% opacity for primary crusher

Applicable Compliance Method:

When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- i. There are no individual readings greater than 15 percent opacity; and
- ii. There are no more than 3 readings of 15 percent for the 1-hour period.

For the method described above, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

- iii. Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions

Cons

PTI /

Issued: To be entered upon final issuance

Emissions Unit ID: **F001**

stream.

- iv. Separate the emissions so that the opacity of emissions from each affected facility can be read.

Cons

PTI 1

Emissions Unit ID: F001

Issued: To be entered upon final issuance

- d. Emission Limitation:
20% opacity for truck unloading

Applicable Compliance Method:

Method 9 of 40 CFR Part 60, Appendix A with the modifications listed under OAC rule 3745-17-03(B)(3)(a) and (b).

- e. Emission Limitation:
No visible emissions except for a period of time not to exceed one minute during any 60-minute observation period.

Applicable Compliance Method:

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

2. Emission Testing Requirements:

The permittee shall conduct, or have conducted, emission testing for all transfer points, screens, and crushers of emissions unit F001 in accordance with the following requirements.

- a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions.
- c. The following test methods shall be employed to demonstrate compliance with the allowable visible emission limitations:

See Additional Terms and Conditions E.1.b through E.1.e

The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services (TDOES). The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting

Consolidated Crushed Stone
PTI Application 04 01202
Issue

Facility ID: 0448011714

Emissions Unit ID: **F001**

the tests. Failure to submit such notification for review and approval prior to the tests may result in the TDOES's refusal to accept the results of the emission tests.

Cons

PTI /

Emissions Unit ID: **F001**

Issued: To be entered upon final issuance

Personnel from the TDOES shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and /or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the TDOES within 30 days following completion of the tests.

F. Miscellaneous Requirements

None

Cons

PTI /

Emissions Unit ID: **F002**

Issued: To be entered upon final issuance

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
		OAC rule 3745-17-07(B)
		OAC rule 3745-17-08(B)
F002 - Aggregate storage piles	OAC rule 3745-31-05(A)(3)	
load-in and load-out of storage piles (see section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(B)	
	OAC rule 3745-17-08(B)	
wind erosion from storage piles (see section A.2.a for identification of storage piles)	OAC rule 3745-31-05(A)(3)	

Cons

PTI

Issued: To be entered upon final issuance

Emissions Unit ID: **F002**

Applicable Emissions
Limitations/Control Measures

2.38 tons particulate emissions
(PE)/yr

No visible emissions except for a period of time not to exceed 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 A.2.b, A.2.c, A.2.f and A.2.g)

See A.2.h

See A.2.h

No visible emissions except for a period of time not to exceed 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 A.2.b, A.2.f)

See A.2.h

See A.2.h

Cons

PTI /

Emissions Unit ID: **F002**

Issued: To be entered upon final issuance

2. Additional Terms and Conditions

- 2.a** The storage piles that are covered by this permit and subject to the above mentioned requirements are listed below:
- i. aggregate products storage pile
 - ii. sand storage pile
 - iii. concrete storage pile
 - iv. gravel storage pile
 - v. recycled asphalt pile
 - vi. slag storage pile
 - vii. coke storage pile
- 2.b** 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 load-in and load-out materials with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c** 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.
- 2.d** 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 treat each storage pile with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** 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

Consolidated Crushed Stone
PTI Application 04-01202
Issue

Facility ID: 0448011714

Emissions Unit ID: **F002**

and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

Cons

PTI /

Emissions Unit ID: **F002**

Issued: To be entered upon final issuance

- 2.f** 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 rules 3745-17-08 and 3745-31-05.

- 2.g** The aggregate storage piles are associated with the portable aggregate processing plant F001 permitted under facility ID 0448011714. The emission limitation of 2.38 TPY fugitive PE represents the maximum emissions which will be emitted from the aggregate storage piles associated with the portable aggregate processing plant.

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

B. Operational Restrictions

- 1. The annual material throughput for this emissions unit shall not exceed 1.5 million tons per year. This restriction is based on the production restriction limiting unit F001.

C. Monitoring and/or Recordkeeping 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:

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
All	Once during each day of operation

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
All	Once during each day of operation

- 3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

storage pile identification

All

minimum wind erosion inspection frequency

Once during each day of operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or TDOES, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. the dates the control measures were implemented;
 - 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); and
 - e. The annual throughput in tons per year for this emissions unit.

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

Cons

PTI /

Emissions Unit ID: **F002**

Issued: To be entered upon final issuance

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation;
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented; and
 - c. any exceedance of annual throughput limitation.

E. Testing Requirements

1. Emission Limitation
2.38 TPY fugitive PE

Applicable Compliance Method

Compliance shall be demonstrated by calculations using AP-42 emission factors for load in/load out, section 13.3.4 (1/95) and Wind Erosion, section 13.2.5 (1/95), and a maximum throughput for storage piles of 1,500,000 tons/yr.

2. Emission Limitation
No visible emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.

Applicable Compliance Method

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

F. Miscellaneous Requirements

None

Cons

PTI /

Emissions Unit ID: **F003**

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
F003 - Unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	OAC Rule 3745-17-07 (B) OAC Rule 3745-17-08 (B)
	OAC Rule 3745-17-07 (B)	
	OAC Rule 3745-17-08 (B)	
Paved roadways and parking areas	OAC rule 3745-31-05(A)(3)	

Applicable Emissions
Limitations/Control Measures

5.59 TPY fugitive PE

There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period

Best available control measures that are sufficient to minimize or eliminate visible emission of fugitive dust (see sections A.2.c through A.2.h)

See A.2.k

See A.2.k.

3.33 TPY fugitive PE

There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed one minute during any 60-minute observation period

Best available control measures that are sufficient to minimize or eliminate visible emission of fugitive dust (see sections A.2.c through A.2.h)

See A.2.a.

See A.2.a.

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

Cons

PTI /

Emissions Unit ID: **F003**

Issued: To be entered upon final issuance

Paved Roadway and Parking area:

The 0.8 mile unpaved road segment traveled by employee traffic, haul traffic and loader traffic, as specified in the PTI application.

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

Unpaved Roadway and Parking area:

The 0.6 mile unpaved road segment traveled by employee traffic, haul traffic and loader traffic, as specified in the PTI application.

- 2.c** 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 unpaved roadways and parking areas with water, calcium chloride and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.d** 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 water, calcium chloride and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The permittee shall employ best available control measures on all unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with water, calcium chloride and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

Cons

PTI /

Emissions Unit ID: **F003**

Issued: To be entered upon final issuance

- 2.f** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway 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.
- 2.g** 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 appropriate dust control measures 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 a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.h** 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.
- 2.i** 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.
- 2.j** 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(A)(3).
- 2.k** The emission limitation specified by this rule is less stringent than the emission established pursuant to OAC 3745-31-05(A)(3).

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the paved

Consolidated Crushed Stone
PTI Application 04 01202
Issue

Facility ID: 0448011714

Emissions Unit ID: F003

and unpaved roadways and parking areas in accordance with the following frequencies:

Cons

PTI 1

Emissions Unit ID: **F003**

Issued: To be entered upon final issuance

Paved Roadways and Parking Areas

All applicable

Minimum Inspection Frequency

Once during each day of operation

Unpaved Roadways and Parking Areas

All Applicable

Minimum Inspection Frequency

Once during each day of operation

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

The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency,

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Emissions Unit ID: **F003**

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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

Compliance Methods Requirements:

1. Emission Limitation
5.59 tons fugitive PE/yr for unpaved roads and parkways

Applicable Compliance Method

Compliance shall be demonstrated by calculations using AP-42 emission factor for unpaved roadways and parking areas, section 13.2.2, equation 1 (revised 9/98), maximum annual vehicle miles traveled (VMT) of 36,000 (haul truck, unpaved), and 4,500 (front loader) and a control efficiency of 80%.

2. Emission Limitation
3.33 tons fugitive PE/yr for paved roads and parkways

Applicable Compliance Method

Compliance shall be demonstrated by calculations using AP-42 emission factor for unpaved roadways and parking areas, section 13.2.2, equation 1 (revised 9/98), maximum annual vehicle miles traveled (VMT) of 48,000 (haul truck, paved) and a control efficiency of 80%.

3. Emissions Limitation
No visible particulate emissions except for a period of time not to exceed 3 minutes during any 60-minute observation period. (unpaved roadways)

Applicable Compliance Method

Method 22 of 40 CFR Part 60, Appendix A.

3. Emissions Limitation
No visible particulate emissions except for a period of time not to exceed 3 minutes during any 60-minute observation period. (unpaved roadways)

Applicable Compliance Method

Method 22 of 40 CFR Part 60, Appendix A.

4. Emissions Limitation
No visible particulate emissions except for a period of time not to exceed 1 minutes during any 60-minute observation period. (paved roadways)

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Emissions Unit ID: **F003**

Applicable Compliance Method

Method 22 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

None