



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 04-01322

DATE: 3/25/2003

Stoneco Inc.
Susanne Hanf
PO BOX 29A
Maumee, OH 43537

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

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.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

TDES



**Permit To Install
Terms and Conditions**

**Issue Date: 3/25/2003
Effective Date: 3/25/2003**

FINAL PERMIT TO INSTALL 04-01322

Application Number: 04-01322
APS Premise Number: 0448030014
Permit Fee: **\$1400**
Name of Facility: Stoneco Inc.
Person to Contact: Susanne Hanf
Address: PO BOX 29A
Maumee, OH 43537

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1345 Ford St
Maumee, Ohio**

Description of proposed emissions unit(s):
370 TPH Counterflow Portable Asphalt Plant.

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

Stoneco Inc.

Facility ID: 0448030014

PTI Application: 04-01322

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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

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping 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 record keeping 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

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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

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Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

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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	2.63 (stack only)
PM ₁₀	3.23 (stack and fugitives)
NO _x	10.30
CO	24.30
OC	8.25
SO ₂	18.80

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>
F024 - Storage Piles		
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)	No visible emissions except for one minute in any hour 0.52 ton of particulate (PM ₁₀) per year Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b., A.2.c. and A.2.f.)
wind erosion from storage piles	OAC rule 3745-31-05(A)(3)	No visible emissions except for one minute in any hour 0.38 ton of particulate (PM ₁₀) per year Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.d., A.2.e. and A.2.f.)
load-in and load-out of storage piles, and wind erosion from storage piles	OAC rule 3745-17-07 (B)(6)	See A.2.g
	OAC rule 3745-17-08 (B), (B)(6)	See A.2.g

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:

all storage piles

- 2.b** The permittee shall employ the 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 material(s) 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 and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 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 emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

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Emissions Unit ID: F024

None

C. Monitoring and/or Record keeping Requirements

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

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
all storage piles	daily

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 storage piles	daily

- 2. 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:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
all storage piles	daily

- 3. 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.

- 4. 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.

5. The permittee may, upon receipt of written approval from the Toledo Division of Environmental Services, 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.

6. The permittee shall maintain records of the following information:
 - a. The date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
 - b. The date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
 - c. The dates the control measures were implemented; and
 - d. On a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

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

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. Each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. Each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the 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.

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2. Emission Limitation: fugitive emissions of 0.52 and 0.38 tons PM₁₀ per year (load-in, load-out and wind erosion).

Applicable Compliance Method: This emission limitation was developed using formulas provided in Reasonable Available Control Measures for Fugitive Dust Sources, 9/80 for wind erosion emissions and AP-42 section 13.2(1/95) for load-in and load-out. Therefore, if compliance is shown with the best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.b through e), compliance shall also be shown with the annual emission limitation.

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 PTI providing the following criteria are met:
 - a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. The portable emissions unit is operating pursuant to a currently effective permit to 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

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

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>	
F025 - Unpaved roadways and parking areas	OAC rule 3745-31-05(A)(3)	OAC Rule 3745-17-07 (B)
		OAC Rule 3745-17-08 (B)
Paved roadways and parking areas	OAC Rule 3745-17-07 (B)	
	OAC Rule 3745-17-08 (B)	
	OAC rule 3745-31-05(A)(3)	

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Facility ID: 0448030014

Emissions Unit ID: F025

Applicable Emissions
Limitations/Control
Measures

See A.2.a.

1.02 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.

0.40 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.

2. Additional Terms and Conditions

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

Paved Roadway and Parking area:

The 0.3 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 0.1 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.

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- 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 Record keeping Requirements

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1. Except as otherwise provided in this section, the permittee shall perform inspections of the paved and unpaved roadways and parking areas in accordance with the following frequencies:

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, 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

1.02 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 13.2.2.2, equation 1 (revised 9/98), maximum annual vehicle miles traveled (VMT) of 7500 (haul truck, unpaved), and 5506 (front loader) and a control efficiency of 80%.

2. Emission Limitation

0.40 ton 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 13.2.1.3, equation 1 (revised 9/98), maximum annual vehicle miles traveled (VMT) of 22,500 (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.

4. 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)

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Applicable Compliance Method

Method 22 of 40 CFR Part 60, Appendix A.

5. 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)

Applicable Compliance Method

Method 22 of 40 CFR Part 60, Appendix A.

F. **Miscellaneous Requirements**

None

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>
P927 - 370 TPH Portable Counterflow Drum Asphalt Plant Controlled by a Fabric Filter	NSPS (40 CFR Part 60, Subpart I)
	OAC rule 3745-17-07(A)(1)
	OAC rule 3745-17-11(B)(1)
Aggregate handling, fugitive emissions	OAC rule 3745-18-06(E)
	OAC rule 3745-21-07(B)
	OAC rule 3745-21-08(B)
	OAC rule 3745-23-06(B)
	OAC rule 3745-31-05(A)(3)

	<u>Applicable Emissions Limitations/Control Measures</u>	
		24.30 TPY CO, 8.25 TPY OC, see A.2.c
OAC rule 3745-31-05(D)	Particulate emissions (PE)-0.04 grains per dry standard cubic foot (gr/dscf) of exhaust gases and 20 percent opacity	Less than or equal to 20 percent opacity, as a 3-minute average See A.2.a
OAC rule 3745-17-07(B)(1)	Less than or equal to 20 percent opacity, as a 6-minute average, from the stack, except as provided by rule See A.2.a	0.18 TPY PM ₁₀ , 0.38 TPY CO, 3.00 TPY OC, Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.e.), the requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1)
OAC rule 3745-17-08(B)	See A.2.b	
OAC rule 3745-31-05(A)(3)	See A.2.b See A.2.b	
	5.18 pounds per hour particulate emissions (PE), 37.00 pounds per hour of sulfur dioxide (SO ₂), 20.35 pounds per hour of nitrogen oxides (NO _x), 48.10 pounds per hour of carbon monoxide (CO), 16.28 pounds per hour of organic compounds (OC), The requirement of this rule also include compliance with the requirements of NSPS (40 CFR Part 60, Subpart I and OAC rule 3745-17-07(A)(1)	
	2.63 tons per year (TPY) PE, 18.80 TPY SO ₂ , 10.30 TPY NO _x ,	

2. Additional Terms and Conditions

- 2.a** The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- 2.b** The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-07, 3745-21-08, and 3745-23-06, respectively, by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.c** All tons per year (TPY) emission limitations are based on a rolling, 12-month summation.
- 2.d** The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

All material handling operations.

- 2.e** 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:
- i. Minimize or eliminate visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper;
 - ii. The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the elevator loading area;
 - iii. The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the elevator and the transfer point to the dryer;
 - iv. The cold aggregate elevator shall be covered at all times.

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

- 2.f** 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 measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

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

B. Operational Restrictions

- 1.** The maximum annual production rate for this emissions unit shall not exceed 375,000 tons per year, based upon a rolling, 12-month summation of the production rates.

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

<u>Month</u>	<u>Maximum Allowable Cumulative Production, tons/yr</u>
1	120,000
1-2	240,000
1-3	360,000
1-4	375,000
1-5	375,000
1-6	375,000
1-7	375,000
1-8	375,000
1-9	375,000
1-10	375,000
1-11	375,000
1-12	375,000

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. The permittee shall burn only natural gas and/or number two fuel oil with not greater than 0.5% sulfur content by weight in this emissions unit.
3. To ensure the baghouse is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, a pressure drop across the baghouse of 2-6 inches of water column shall be maintained at all times.
4. Stoneco may substitute recycled asphalt (RAP) aggregates in the raw material feed mix in amounts not to exceed 50% of all aggregate materials introduced at any given time.

C. Monitoring and/or Record keeping Requirements

1. 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 this permit, the rolling, 12-month summation of the production rates.

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

2. For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
3. This facility shall maintain records of the oil supplier's analysis for each shipment of oil which is received for burning in this source. The oil supplier's analyses shall document the sulfur content (percent) of each shipment of oil. These records shall be kept in a central location for a minimum of five (5) years and shall be made available upon request to a representative of the Ohio EPA
4. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s).

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5. The permittee shall check the pressure drop once a day and maintain daily records of the pressure drop readings.
6. The permittee shall daily record the percentage of RAP mixed with the raw material feed mix.
7. 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>
all aggregate handling operations	daily

8. The above-mentioned inspections shall be performed during representative, normal operating conditions.
9. The permittee may, upon receipt of written approval from the Toledo Division of Environmental Services (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.
10. 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 10.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which 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.
2. The permittee shall submit quarterly deviation (excursion) reports that identify each day when a

fuel other than natural gas and/or number two fuel oil was burned in this emissions unit.

3. The permittee shall submit quarterly deviation (excursion) reports that identify each day when sulfur limitation for oil combusted in this emissions unit was exceeded.
4. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the 2-6" allowable pressure drop range.
5. The permittee shall submit quarterly deviation (excursion) reports that identify each day when the percent RAP limitation for RAP mixed with raw material feed in this emissions unit was exceeded.
6. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. Each day during which an inspection was not performed by the required frequency; and
 - b. Each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
7. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitation(s) of these terms and conditions shall be determined in accordance with the following methods(s):
 - a. Emission Limitation: 20% opacity

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), 3745-17-03(B)(3) and 40 CFR 60.11.
 - b. Emission Limitation: 0.04 grain per dry standard cubic foot of exhaust gases

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC 3745-17-03(B)(10).
 - c. Emission Limitation: stack emissions of 5.18 pounds per hour PE

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Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 5 of 40 CFR Part 60, Appendix A using methods and procedures specified in OAC 3745-17-03(B)(10).

- d. Emission Limitation: stack emissions of 2.63 tons PE per rolling, 12-month period

Applicable Compliance Method: This emission limitation was developed by multiplying the emission factor of 0.014 lb/ton PE (AP-42, dated 12/00, Section 11.1, Table 11.1-7) by 375,000 tons per year of production and dividing by 2000 pounds per ton and, therefore, if compliance is shown with the production limitation, compliance shall also be shown with the annual emission limitation.

- e. Emission Limitation: stack emissions of 37.00 pounds per hour SO₂

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 6 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04.

- f. Emission Limitation: stack emissions of 18.80 tons SO₂ per rolling, 12-month period

Applicable Compliance Method: This emission limitation was developed by multiplying the emission factor of 0.1 lb/ton SO₂ (AP-42, dated 12/00, Section 11.1, Table 11.1-7, increased by Stoneco per footnote c to account for sulfur contribution from raw materials) by 375,000 tons/year of production and dividing by 2000 pounds per ton and, therefore, if compliance is shown with the production limitation, compliance shall also be shown with the annual emission limitation.

- g. Emission Limitation: stack emissions of 20.35 pounds per hour NO_x

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 7 of 40 CFR Part 60, Appendix A.

- h. Emission Limitation: stack emissions of 10.30 tons NO_x per rolling, 12-month period

Applicable Compliance Method: This emission limitation was developed by multiplying the emission factor of 0.055 lb/ton NO_x (AP-42, dated 12/00, Section 11.1, Table 11.1-7) by 375,000 tons/year of production and dividing by 2000 pounds per ton and, therefore, if compliance is shown with the production limitation, compliance shall also be shown with the annual emission limitation.

- i. Emission Limitation: stack emissions of 16.28 pounds per hour OC

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 25 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-21-10.

- j. Emission Limitation: stack emissions of 8.25 tons OC per rolling, 12-month period

Applicable Compliance Method: This emission limitation was developed by multiplying the emission factor of 0.044 lb/ton OC (provided by permittee) by 375,000 tons/year of production and dividing by 2000 pounds per ton and, therefore, if compliance is shown with the production limitation, compliance shall also be shown with the annual emission limitation.

- k. Emission Limitation: stack emissions of 48.10 pounds per hour CO.

Applicable Compliance Method: If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Method 10 of 40 CFR Part 60, Appendix A.

- l. Emission Limitation: stack emissions of 24.30 tons CO per rolling, 12-month period

Applicable Compliance Method: This emission limitation was developed by multiplying the emission factor of 0.13 lb/ton CO (provided by permittee) by 375,000 tons/year of production and dividing by 2000 pounds per ton and, therefore, if compliance is shown with the production limitation, compliance shall also be shown with the annual emission limitation.

- m. Emission Limitation: fugitive emissions of 0.18 ton per year PM₁₀, 0.38 ton per year CO, 3.00 tons per year OC

Applicable Compliance Method: The emission factors for the plant load-out and silo filling operations were calculated using formulas provided in AP-42 Table 11.1-14:

Plant load-out:
0.0005 lb/ton for PM₁₀

0.004 lb/ton for OC
0.001 lb/ton for CO

Plant silo filling:
0.0005 lb/ton for PM₁₀

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0.012 lb/ton for OC

0.001 lb/ton for CO

The emission limitations were then developed by multiplying the emission factors by 375,000 tons/year of production and dividing by 2000 pounds per ton and, therefore, if compliance is shown with the production limitation, compliance shall also be shown with the annual emission limitation.

- n. Emission Limitation: fugitive emissions of less than 20 % opacity as a 3-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 22 of 40 CFR Part 60 Appendix A with the modifications listed under OAC rule 3745-17-03(B)(4)(a) and (c).

2. Performance testing shall be conducted within 60 days after achieving the maximum production rate at which the unit will be operated, but not later than 180 days after the initial startup of the unit in accordance with 40 CFR 60.8.

Emission tests shall be conducted in accordance with the following test methods and procedures:

Method 5 of 40 CFR Part 60, Appendix A, for particulate;
 Method 9 and the procedures in 40 CFR 60.11 for opacity;
 Method 6 or 6C CFR Part 60, Appendix A, as appropriate, for SO₂ emissions.
 Method 25 or 25A, as appropriate, for OC emissions,
 Method 22 of 40 CFR Part 60, Appendix A, for fugitive emissions of 20% opacity.

The test(s) shall be conducted while the emissions unit is operating at its maximum rated capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency. Any variation from the above testing methods must be pre approved by the appropriate Ohio EPA District Office or local air agency not later than 30 days prior to the proposed test date(s).

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time(s) and date(s) of the test, and the person(s) who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the field office's refusal to accept the results of the emission test.

Personnel from the Ohio EPA or local air agency shall be permitted to witness the test, examine the testing equipment and acquire data and information regarding the emissions unit operating parameters.

A comprehensive written report on the results of the emission test shall be submitted within 30

days following completion of the test.

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 PTI providing the following criteria are met:
 - a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. The portable emissions unit is operating pursuant to a currently effective permit to 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;

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