State of Ohio Environmental Protection Agency

Street Address: Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329 Mailing Address: Lazarus Gov. Center

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
LUCAS COUNTY
Application No: 04-01196
DATE: 6/14/00

Stoneco Gencor Plant 1
Douglas M. Rorhs
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, buy 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,

Thomas G. Rigo

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

CC: USEPA **TDES**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install **Issue Date: June 14, 2000**
Terms and Conditions **Effective Date: June 14, 2000**

FINAL PERMIT TO INSTALL 04-01196

Application Number:	04-01196
APS Premise Number:	0448030014
Permit Fee:	**$2050**
Name of Facility:	Stoneco Gencor Plant 1
Person to Contact:	Douglas M. Rorhs
Address:	PO BOX 29A Maumee, OH 43537

Location of proposed air contaminant source(s) [emissions unit(s)]:
9661 Sugar St.
Germantown, **Ohio**

Description of proposed emissions unit(s):
500 Ton per Hour Portable Hot Mix 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

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 are inadequate 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 prove to be inadequate 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

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 thirty (30) days after commencing operation of the emissions unit(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

Pollutant	Tons Per Year
TSP	36.2
SO2	16.8
NOx	22.5
CO	16.8
VOC	36

Emissions Unit ID: **P933**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements
P933 500 TPH portable drum mix asphaltic plant	NSPS (40 CFR Part 60, Subpart I)
Aggregate handling	OAC rule 3745-31-05(D)
	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-21-08(B)

		the stack, except as provided by rule
OAC rule 3745-21-07(B)	Applicable Emissions Limitations/Control Measures	Minimize visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper, opacity shall not exceed 10 percent.
OAC rule 3745-18-06	TSP - 0.04 gr/dscf of exhaust gases	
OAC rule 3745-17-11 OAC rule 3745-17-07 (A) (1)		
OAC rule 3745-17-08	The following limits are in terms of tons per year, as a 12-month rolling summation: TSP - 26.4 from stack TSP (process fugitives) 1.4 SO_2 - 16.8 NOx - 22.5 CO - 16.8 VOC - 36 Production limited to 600,000	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.
	SO_2 - 28 lbs/hr and 16.8 tpy NOx - 37.5 lbs/hr and 22.5 tpy CO - 28 lbs/hr and 16.8 tpy VOC - 60 lbs/hr and 36 tpy	The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize the visible emissions of fugitive dust from conveyors and transfer points to the dryer.
	≤0.5% S in fuel #2, #4,#5, #6 and used oil	Less than or equal to 20 percent opacity, as a 3-minute average, for the fugitive dust emissions.
	The requirements of this rule also include compliance with the requirements of OAC Rule 3745-17-07(A)(1).	
OAC rule 3745-17-07(B)	See A.2.a.	
	See A.2.a.	
	See A.2.a.	
	See A.2.a.	
	less than or equal to 20 percent opacity, as a 6-minute average, from	

2. Additional Terms and Conditions

2.a The emissions limit established through 3745-31-05(A)(3) is as stringent or more stringent than the emissions limit established by this rule.

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 600,000 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:

Month	Maximum Allowable Cumulative Production, tons/yr
1	120,000
1-2	240,000
1-3	360,000
1-4	480,000
1-5	600,000
1-6	600,000
1-7	600,000
1-8	600,000
1-9	600,000
1-10	600,000
1-11	600,000
1-12	600,000

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 source comprising this permit to install shall combust only natural gas, propane, #2,#4,#5,#6 fuel oil or used oil of no more than 0.5% sulfur content by weight. Combustion of any other fuel will constitute a violation of this term.

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 2-8 inches of water column (or within 2" of the pressure drop during the most recent successful stack test) shall be maintained at all times.

4. The permittee shall properly operate and maintain a monitoring device capable of accurately measuring the pressure drop across the fabric filter

5. The permittee may substitute recycled asphalt aggregates (RAP)in the raw material feed mix in amounts not to exceed 50% (weight basis) of all aggregate materials introduced at any given time.

6. All aggregate transferred to the elevated storage bins shall contain sufficient moisture so as to minimize or eliminate visible emissions of fugitive dust.

7. During the loading of the aggregate conveyor or storage bins, the drop height of the front-end loader shall be minimized in order to minimize or eliminate the visible emissions of fugitive dust.

The cold aggregate elevator shall be covered at all times.

5. Visible particulate emissions from material transfer not exceed 20% opacity as a three-minute average.

9. Specifications for the Used Oil Burned in the Dryer**:**

All recycled, used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Specifications
arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	100 ppm, maximum
PCB's	50 ppm, maximum
total halogens	4000 ppm maximum
mercury	1 ppm, maximum
flash point	100°F, minimum
heat content	135,000 Btu/gallon, minimum

10. Used oil containing more than 1000 ppm total halogens:

Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR Part 266.40(c) and OAC rule 3745-58-50. Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 Part CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Hazardous Waste Management that the used oil does not contain any hazardous waste.

C. Monitoring and/or Recordkeeping Requirements

1. 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

2. 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.

3. The permittee shall check the pressure drop once a day and maintain daily records of the pressure drop readings.

4. The permittee shall record the percentage of RAP mixed with the raw material feed mix.

5. Record keeping requirements for used oil burned in the dryer

The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:

a. date of shipment or delivery,
b. quantity of used oil received,
c. the Btu value of the used oil,
d. the flash point of the used oil,
e. the arsenic content,
f. the cadmium content,
g. the chromium content,
h. the lead content,
i. the PCB content,
j. the total halogen content, and
k. the mercury content.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director upon verbal or written request. The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the dryer.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the 2-8" allowable pressure drop range (or within 2" of the pressure drop during the most recent successful stack test).

2. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03(A)(6). (A copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the Toledo Division of Environmental Services prior to the relocation.

3. The permittee shall submit semi-annual 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. These reports shall be submitted the Toledo Division of Environmental Services. Deviation reports for the months of January through June shall be submitted by July 15. Deviation reports for the months of July through December shall be submitted by January 15.

4. The permittee shall report any exceedances of the sulfur limitations for oil combusted in this emissions unit within 30 days to the Toledo Division of Environmental Services.

5. The permittee shall report any exceedances of the percent RAP limitation for RAP mixed with raw material feed in this emissions unit within 30 days to the Toledo Division of Environmental Services.

6. 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 preventative measures that have been or will be take, shall be submitted to the Toledo Division of Environmental Services. 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 30, 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.

7. Used oil burned in the dryer:

The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil.

Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

a. the company has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and

b. the company will burn the used oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

A copy of each certification notice that the marketer sends to a permittee must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from that marketer.

E. Testing Requirements

1. After installation and within 180 days after achieving the emission units maximum production rate, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for particulates. The particulates test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 5, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity. The company shall demonstrate in the "Intent to Test" what is "Worst Case" for particulate emissions. This "Worst Case" scenario shall be pre-approved by the Toledo Division of Environmental Services or the appropriate Ohio EPA District Office or Local Air Agency.

   After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for sulfur dioxide. The sulfur dioxide test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 6, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity.

   After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for organic compounds. The organic compound test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 25 or 25A (as appropriate), of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity. The company shall demonstrate in the "Intent to Test" what is "Worst Case" for VOC emissions. This "Worst Case" scenario shall be pre-approved by the Toledo Division of Environmental Services or the appropriate Ohio EPA District Office or Local Air Agency.

   After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for the allowable mass emission rate(s) for carbon monoxide. The carbon monoxide test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 10, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity.

   After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for the allowable mass emission rate(s) for nitrogen dioxide. The nitrogen dioxide test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 7, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity.

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

2. Compliance with the emission limitation(s) in this permit shall be determined in accordance with the following method(s):

   a. Emission Limitation: Less than or equal to 20 percent opacity, as a 6-minute average

      Applicable Compliance Method: OAC 3745-17-03(B)(1)

   b. Emission Limitation: 0.04 grains TSP per dry standard cubic foot of exhaust gases.

      Applicable Compliance Method: Stack test in accordance with the stack testing requirements above.

   c. Emission Limitation: 26.4 tons per rolling 12-month summation of PM from stack.

      Applicable Compliance Method: The permittee shall use the emission factor in pounds of particulates per ton processed obtained from the most recent stack test times the annual tons processed.

   d. Emission Limitation: 28 pounds per hour of SO_2.

      Applicable Compliance Method: Stack test in accordance with the applicable stack testing requirements above using EPA Test Method 6 or 6C.

   e. Emission Limitation: 16.8 tons per rolling 12-month summation of SO_2.

      Applicable Compliance Method: The permittee shall use the emission factor in pounds of SO_2 per ton processed obtained from the most recent stack test times the annual tons processed.

   f. Emission Limitation: 37.5 pounds per hour of NO_x.

      Applicable Compliance Method: Stack test in accordance with the applicable stack testing requirements above using EPA Test Method 7.

g. Emission Limitation: 22.5 tons per rolling 12-month summation of NO_x.

Applicable Compliance Method: The permittee shall use the emission factor in pounds of NO_x per ton processed obtained from the most recent stack test times the rolling 12-month tons processed.

h. Emission Limitation: 60 pounds per hour of VOC.

Applicable Compliance Method: Stack test in accordance with the applicable stack testing requirements above using EPA Test Method 25 or 25A, as appropriate.

i. Emission Limitation: 36 tons per rolling 12-month summation of VOC.

Applicable Compliance Method: The permittee shall use the emission factor in pounds of VOC per ton processed obtained from the most recent stack test times the rolling 12-month tons processed.

j. Emission Limitation: 28 pounds per hour of CO.

Applicable Compliance Method: Stack test in accordance with the applicable stack testing requirements above using EPA Test Method 10.

k. Emission Limitation: 16.8 tons per rolling 12-month summation of CO.

Applicable Compliance Method: The permittee shall use the emission factor in pounds of CO per ton processed obtained from the most recent stack test times the rolling 12-month tons processed.

l. Emission Limitation: Less than or equal to 20 percent opacity, as a 3-minute average

Applicable Compliance Method: OAC 3745-17-03(B)(3)

m. Emission Limitation: 1.4 tons per rolling 12-month summation of TSP from process fugitives

Applicable Compliance Method: Compliance shall be demonstrated by use of good engineering practices for the operations of aggregate transfer equipment and storage bins.

F. Miscellaneous Requirements

Emissions Unit ID: **P933**

1. Reporting requirements for an intent to relocate a portable or mobile source-"30-day notice option" or "preapproval option"

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

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

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

      iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of 30 days prior to the scheduled relocation; and

      iv. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

Under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:

a. the permittee has applied for and obtained a site approval for the new site from the Director;

b. the site approval is current and effective;

c. the permittee has complied with all of the conditions and restrictions contained in the site approval;

d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

2. Any site approvals issued by the Ohio EPA, pursuant to F.1.b. 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.

3. The following terms and conditions of this permit are federally enforceable, A.1(limits from NSPS and OAC rule 3745-31-05(D),B.1,B.8, E.1**.**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T058 25,000 gallon Fixed Roof, Asphalt Cement Tank	OAC rule 3745-31-05(A)(3)	0.01 TPY VOC see Section A.2.c
	40 CFR 60, Subpart Kb	see Section A.2.a
	OAC rule 3745-21-09(L)(2)	see Section A.2.b

2. Additional Terms and Conditions

2.a The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart Kb including the recordkeeping requirements of Section C.

2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.c BAT is equal to the applicable NSPS Kb sections.

B. Operational Restrictions

None.

C. Monitoring and/or Recordkeeping Requirements

The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be maintained for the life of the emissions unit.

D. Reporting Requirements

None.

E. Testing Requirements

None.

F. Miscellaneous Requirements

1. Reporting requirements for an intent to relocate a portable or mobile source-"30-day notice option" or "preapproval option"

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

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

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

      iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of 30 days prior to the scheduled relocation; and

      iv. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

Under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:

a. the permittee has applied for and obtained a site approval for the new site from the Director;

b. the site approval is current and effective;

c. the permittee has complied with all of the conditions and restrictions contained in the site approval;

d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

2. Any site approvals issued by the Ohio EPA, pursuant to F.1.b. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T059 25,000 gallon Fixed Roof, Asphalt Cement Tank	OAC rule 3745-31-05(A)(3)	0.01 TPY VOC see Section A.2.c
	40 CFR 60, Subpart Kb	see Section A.2.a
	OAC rule 3745-21-09(L)(2)	see Section A.2.b

2. Additional Terms and Conditions

2.a The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart Kb including the recordkeeping requirements of Section C.

2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.c BAT is equal to the applicable NSPS Kb sections.

B. Operational Restrictions

None.

C. Monitoring and/or Recordkeeping Requirements

The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be maintained for the life of the emissions unit.

D. Reporting Requirements

None.

E. Testing Requirements

None.

F. Miscellaneous Requirements

1. Reporting requirements for an intent to relocate a portable or mobile source-"30-day notice option" or "preapproval option"

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

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

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

      iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of 30 days prior to the scheduled relocation; and

      iv. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

Under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:

a. the permittee has applied for and obtained a site approval for the new site from the Director;

b. the site approval is current and effective;

c. the permittee has complied with all of the conditions and restrictions contained in the site approval;

d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

2. Any site approvals issued by the Ohio EPA, pursuant to F.1.b. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T060 25,000 gallon Fixed Roof, Asphalt Cement Tank	OAC rule 3745-31-05(A)(3)	0.01 TPY VOC see Section A.2.c
	40 CFR 60, Subpart Kb	see Section A.2.a
	OAC rule 3745-21-09(L)(2)	see Section A.2.b

2. Additional Terms and Conditions

2.a The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart Kb including the recordkeeping requirements of Section C.

2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.c BAT is equal to the applicable NSPS Kb sections.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be maintained for the life of the emissions unit.

D. Reporting Requirements

None.

E. Testing Requirements

None.

F. Miscellaneous Requirements

1. Reporting requirements for an intent to relocate a portable or mobile source-"30-day notice option" or "preapproval option"

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

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

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

      iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of 30 days prior to the scheduled relocation; and

      iv. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

Under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:

a. the permittee has applied for and obtained a site approval for the new site from the Director;

b. the site approval is current and effective;

c. the permittee has complied with all of the conditions and restrictions contained in the site approval;

d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

2. Any site approvals issued by the Ohio EPA, pursuant to F.1.b. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T061 20,000 gallon Fixed Roof, Diesel Fuel Tank	OAC rule 3745-31-05(A)(3)	0.01 TPY VOC see Section A.2.c
	40 CFR 60, Subpart Kb	see Section A.2.a
	OAC rule 3745-21-09(L)(2)	see Section A.2.b

2. Additional Terms and Conditions

2.a The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart Kb including the recordkeeping requirements of Section C.

2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.c BAT is equal to the applicable NSPS Kb sections.

B. Operational Restrictions

None.

C. Monitoring and/or Recordkeeping Requirements

The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be maintained for the life of the emissions unit.

D. Reporting Requirements

None.

E. Testing Requirements

None.

F. Miscellaneous Requirements

1. Reporting requirements for an intent to relocate a portable or mobile source-"30-day notice option" or "preapproval option"

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

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

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

      iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of 30 days prior to the scheduled relocation; and

      iv. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

Under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:

a. the permittee has applied for and obtained a site approval for the new site from the Director;

b. the site approval is current and effective;

c. the permittee has complied with all of the conditions and restrictions contained in the site approval;

d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

2. Any site approvals issued by the Ohio EPA, pursuant to F.1.b. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T062 20,000 gallon Fixed Roof, Diesel Fuel Tank	OAC rule 3745-31-05(A)(3)	0.01 TPY VOC see Section A.2.c
	40 CFR 60, Subpart Kb	see Section A.2.a
	OAC rule 3745-21-09(L)(2)	see Section A.2.b

2. Additional Terms and Conditions

2.a The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart Kb including the recordkeeping requirements of Section C.

2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

2.c BAT is equal to the applicable NSPS Kb sections.

B. Operational Restrictions

None.

C. Monitoring and/or Recordkeeping Requirements

The permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be maintained for the life of the emissions unit.

D. Reporting Requirements

None.

E. Testing Requirements

None.

F. Miscellaneous Requirements

1. Reporting requirements for an intent to relocate a portable or mobile source-"30-day notice option" or "preapproval option"

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

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

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

      iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Director (the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site) within a minimum of 30 days prior to the scheduled relocation; and

      iv. in the Director's (the appropriate Ohio EPA District Office and/or local air agency) judgement, the proposed site is acceptable under OAC rule 3745-15-07.

OR

Under OAC rule 3745-31-05(F), portable or mobile sources may relocate to sites that have been preapproved by the Director. This permittee may relocate the portable or mobile sources listed in this permit if:

a. the permittee has applied for and obtained a site approval for the new site from the Director;

b. the site approval is current and effective;

c. the permittee has complied with all of the conditions and restrictions contained in the site approval;

d. the permittee has provided the appropriate Ohio EPA District Office and/or local air agency having jurisdiction over the new site at least 15 days written notice of the relocation.

2. Any site approvals issued by the Ohio EPA, pursuant to F.1.b. 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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F017 Roadways & Parking Areas	3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07. 5.6 tons/yr TSP 5 MPH vehicle speed limit Use of water and or suitable dust suppressants sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a. thru A.2.g.)
	3745-17-07(B)(5)	no visible particulate emissions except for 13 minutes during any 60 minute period
	3745-17-08(B)	see A.2.g.

2. Additional Terms and Conditions

2.a 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 or suitable dust suppressant at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.b 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.c 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 the visible emission limitation for paved roadways and parking areas specified in OAC rule 3745-17-07(B)(4).

2.d 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.e 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.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 rule 3745-31-05 and OAC rule 3745-17-08.

2.g Posting and enforcing 5 MPH speed limit on all unpaved parking areas and roadways.

2.h This emissions limit is equal to or less stringent than the limit established through OAC Rule 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 unpaved roadways and parking areas in accordance with the following frequencies:

unpaved roadways	minimum inspection frequency
All	Daily

unpaved parking areas	minimum inspection frequency
All	Daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, 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. Compliance Demonstration/Testing Requirements

1. Compliance with the emission limitation for the unpaved roadways and parking areas 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)(d) of OAC rule 3745-17-03.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	3745-17-07 (B)(6) 3745-17-08 (B), (B)(6)
F018 Aggregate Storage Piles		
load-in and load-out of storage piles	3745-31-05(A)(3)	
	3745-17-07 (B)(6)	
	3745-17-08 (B), (B)(6)	
wind erosion from storage piles	3745-31-05(A)(3)	

Applicable Emissions
Limitations/Control Measures

2.8 TSP ton/yr

no visible emissions except for one minute in any hour

best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a., A.2.b., A.2.c. and A.2.f.)

see A.2.g

see A.2.g

no visible emissions except for thirteen minutes in any one hour

best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a., A.2.d., A.2.e. and A.2.f.)

see A.2.g

see A.2.g

2. Additional Terms and Conditions

2.a The storage piles that are covered by this permit and subject to the requirements of OAC rules 3745-31-05 are listed below:

All aggregate 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 rule 3745-31-05.

2.g This emissions limit is equal to or less stringent than the limit established through OAC Rule 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 each load-in operation at each storage pile in accordance with the following frequencies:

storage pile identification	minimum load-in inspection frequency
All	Daily

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

storage pile identification	minimum load-out inspection frequency
All	Daily

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

storage pile identification	minimum wind erosion inspection frequency
All	Daily

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 local air agency, 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; 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.

F. Miscellaneous Requirements

None

SYNTHETIC MINOR DETERMINATION
Stoneco Gencor Plant 1, PTI # 04-1196

A. DESCRIPTION OF SOURCES

This permit to install encompasses the equipment used for a portable drum hot mix asphalt plant of ~~400~~ 500 tons per hour maximum rated capacity. P933 equipment includes the NSPS Subpart I sources (Drum mixer & dryer).

B. FACILITY EMISSIONS/ATTAINMENT STATUS

This facility is a synthetic minor because of restrictions that keep emissions less than 100 tons/yr total of

NOx and VOC. PSD and nonattainment NSR are not applicable.

C. SOURCE EMISSIONS

Stoneco has requested a federally enforceable restriction of 120,000 tons per month, and 600,000 ton/yr. This restriction will result in permit allowable emissions of 16.8 tons/yr SO_2 , 22.5 tons/yr NO_x, 36 tons/yr VOC, 16.8 tons/yr CO and 36.2 tons/year of TSP.

D. CONCLUSIONS

This facility has a restricted permit allowable emission limitation of 16.8 ton/yr SO_2 , 22.5 tons/yr NO_x, 36 tons/yr VOC, 16.8 tons/yr CO and 36.2 tons/year of TSP. This permit allowable emission will not trigger Emissions Offset Policy nonattainment NSR or PSD review, or Title V status.

WRITE UP NOTES:

PROCESS DESCRIPTION:

This PTI is for the installation of a 500 TPH Drum Mix Asphaltic Concrete Plant, Roadways and parking areas, Storage piles, (3) 25,000 gallon Fixed Roof Asphaltic Cement Tanks and (2) 20,000 gallon Fixed Roof Fuel Oil Tank.

For Asphalt plant:

B.A.T. DETERMINATION

P933 Asphalt plant: NSPS Subpart I §60.92(a)(1), "no owner or operator .. shall discharge .. particulate matter in excess of 90 mg/dscm (0.04 gr/dscf)." and NSPS Subpart I §60.92(a)(2), "exhibit 20 percent opacity, or greater". SO_2 is restricted by a BAT limit of 0.5% sulfur content in the #2, #4, #5, and used oil. In addition to the sulfur in the coal restriction, BAT for SO_2 is also restricted by AP-42. BAT for NOx, CO, and VOC is good operating practice and AP-42 emission factors.

APPLICABLE RULES & REGULATIONS

3745-31-05	BAT
3745-17-07	Control of visible particulate emissions from stationary sources
3745-17-08	Restriction of emission of fugitive dust
3745-17-11	Restrictions on particulate emissions from industrial processes
3745-18-06	Sulfur Dioxide emission limits
3745-21-07	Control of emissions of organic materials (VOC)
3745-21-08	Control of Carbon Monoxide emissions
NSPS Subpart I	Limitation on TSP of 0.04 grains per dry standard cubic foot

CALCULATIONS

POTENTIAL TO EMIT

P933 Drum asphalt plant

Detailed emission calculations are in spreadsheet PTI041196calcsrevised.wbs

PTE will be the same as the permit allowable from NSPS subpart I of 0.04 gr/dscf

From AP-42, Table 11.1-8 (1/95). "Emission factors for Drum Mix Hot Asphalt Plants: For a production rate of 400 ton/hr, 8760 hours per year and using the highest emission factor:

Pollutant	capacity, tons/hr	EF, lb/ton	Hours per yr	ER, tons/yr	ER, lbs/hr
CO	500	0.056	8760	122.6	28
NOx	500	0.075	8760	164.3	37.5
SO2	500	0.056	8760	122.6	28
VOC*	500	0.12	8760	262.8	60

*Based on stack test results from testing at other Stoneco Facilities.

Permit Allowable Emissions
Permit Allowable emission calculations are based on a federally enforceable restriction of 600,000 tons per year processed. Restrictions for the Drum plant will be made federally enforceable.
Due to the high unrestricted annual emission tonnage, Stoneco has requested a federally enforceable permit restriction of 600,000 tons/yr. With this restriction, their new PTE limits will also be their permit allowable limits, except in the case of TSP emissions. The permit allowable TSP emissions will be set according to NSPS subpart I, 40 CFR 60.90. Federal requirements dictate a rolling 12-month summation to avoid triggering PSD in non-attainment areas.
Detailed emission calculations are in spreadsheet PTI041196calcs.wbs

CO	600000	0.056	16.8
NOx	600000	0.075	22.5
SO2	600000	0.056	16.8
VOC*	600000	0.12	36

Allowable Rate = 0.04 gr/dscf (1 lb/7000gr)(ACFM)(60 min/hr)(528R/(Temp+460)) lb tsp/hr
TSP=26.4 TPY

MODELING
Based on recent modeling analysis of similar sources of equal greater capacity, this source will not significantly impact air quality standards. **No air toxics were calculated to be above one ton.**

For Tanks:

NSPS Kb - **40 CFR 60.110b(b)** Except as specified in paragraphs (a) and (b) of §60.116b, storage vessels with design capacity less than 75 m^3 are exempt from the General Provisions (part 60, subpart A) and from the provisions of this subpart.

40 CFR 60.116b(a) The owner or operator shall keep copies of all records required by this section, except for the record required by paragraph (b) of this section, for at least 2 years. The record required by paragraph (b) of this section will be kept for the life of the source. The owner or operator of each storage vessel as specified in §60.110b(a) shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel. Each storage vessel with a design capacity less than 75 m^3 is subject to no provision of this subpart other than those required by this paragraph.

3745-21-(09)(L) -Exemption for petroleum tanks less than 40,000 gallons

3745-31-05 -Best available technology

BAT DETERMINATION:

Record keeping in accordance to NSPS Kb (40 CFR 60.116(a),(b))

CALCULATIONS:

Tanks 3.1 program was used to calculate emissions.

Tank	VOC (lbs/year)	VOC (tons per year)
T058 25,000 gallon AC	**1.24**	**<0.01**
T059 25,000 gallon AC	**1.24**	**<0.01**
T060 25,000 gallon AC	**1.24**	**<0.01**
T061 20,000 Diesel	**12.6**	**<0.01**
T062 20,000 Diesel	**12.6**	**<0.01**

For Roadways & Parking:
Detailed calculations in Quattro Pro spreadsheet PTI041196calcs.wbs

For Storage piles:
Detailed calculations in Quattro Pro spreadsheet PTI041196calcs.wbs