GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCE(S)

The proposed source(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 source(s) has already begun or has been completed prior to the date the Director of the Ohio 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 Ohio Administrative Code (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.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 15 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the

Director for the installation or modification of any other contaminant sources.

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.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be made at least 90 days prior to start-up of the source.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for 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.

Facility Name: **Stoneco Copley Asphalt Batch Plant**
Application Number: **04-1096**
Date: **August 11, 1999**

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Stoneco Copley Asphalt Batch Plant** located in **Summit** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio EPA Source Number	Source Identification Description	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
P929	270 TPH portable batch mix asphaltic plant	0.04 gr/dscf of exhaust gases and 20 percent opacity from the baghouse ≤0.5 percent S in used oil, ≤0.8 percent S in fuel oil No. 4, ≤1.0 percent S in fuel No. 5, ≤1.0 percent S in fuel No. 6; and, ≤0.5 percent S in fuel No. 2	NSPS (40 CFR Part 60, Subpart I)	TSP - 0.04 gr/dscf of exhaust gases
			3745-31-05	TSP - 12.5 tons/year SO_2 - 38.85 pounds/hour, 42 tons/year $N0_x$ - 45.9 pounds/hour, 49 tons/year ≤0.8 percent S in fuel No. 4, ≤1.0 percent S in fuel No. 5, ≤1.0 percent S in fuel No. 6, and ≤0.5 percent S in fuel No. 2
P929 Cont'd			3745-21-08 (B)	CO - 91.8 pounds/hour, 99 tons/year
			3745-21-07	VOC - 12.4

Facility Name: **Stoneco Copley Asphalt Batch Plant**
Application Number: **04-1096**
Date: **August 11, 1999**

Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
			(B)	pounds/hour, 13 tons/year
			*3745-18-06	See comment below
			*3745-17-11	See comment below
			3745-17-07	Less than or equal to 20 percent opacity, as a 6-minute average, from the stack, except as provided by rule
	Aggregate handling	No visible emissions except for a period <3 minute/hour, sufficient moisture, special handling	3745-17-08	No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper
P929 Cont'd			3745-17-07	The drop height of the front end loader bucket shall be minimized to the extent possible in order to

Facility Name: **Stoneco Copley Asphalt Batch Plant**
Application Number: **04-1096**
Date: **August 11, 1999**

Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
				minimize or eliminate visible emissions of fugitive dust from the elevator loading area. The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer. Less than or equal to 20 percent opacity, as a 3-minute average, for the fugitive dust emissions.
P929 Cont'd				

* This emissions limit is less stringent than the limit established through 3745-31-05.

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Facility Name: **Stoneco Copley Asphalt Batch Plant**
Application Number: **04-1096**
Date: **August 11, 1999**

Ohio EPA Source Number	Source Identification Number	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements

Pollutant	Tons/Year	(Net PTI Increase)
TSP	12.5	11.3
VOC	13	11.6
SO_2	42	34.8
$N0_x$	49	43.9
CO	99	88.8

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

Source Number	Source Description	NSPS Regulation (Subpart)
P929	Portable batch asphalt plant	I

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

a. construction date (no later than 30 days after such date);
b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
c. actual start-up date (within 15 days after such date); and
d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 163669
Columbus, OH 43216-3669

and **Toledo Division of Environmental Services**
348 South Erie Street
Toledo, OH 43602

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.

B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.

C. Tests shall be performed for the following source(s) and pollutants(s):

Source	**Pollutant(s)**
P929	**TSP, $S0_2$, VOC**

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records

shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Toledo Division of Environmental Services, 348 South Erie Street, Toledo, OH 43602.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Toledo Division of Environmental Services, 348 South Erie Street, Toledo, OH 43602.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not

cause a public nuisance in violation of OAC Rule 3745-15-07.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

NOTICE OF INTENT TO RELOCATE

Pursuant to OAC Rule 3745-31-03(A)(1)(n), the owner or operator of the portable or mobile source identified within this Permit to Install may relocate within the state of Ohio without first obtaining a Permit to Install providing the following criteria are met:

a. the source is equipped with the Best Available Control Technology for such source;

b. the source is operating pursuant to a currently effective Permit to Operate;

c. the applicant has provided proper notice of intent to relocate the source to the Director within a minimum of 30 days prior to the scheduled relocation; and

d. in the Director's judgement, the proposed site is acceptable under Rule 3745-15-07 of the Administrative Code.

In order for the Director to determine compliance with all of the above criteria, the owner or operator of the portable or mobile source must file a "Notice of Intent to Relocate" at least 30 days prior to relocation of the source with the **Toledo Division of Environmental Services, 348 South Erie Street, Toledo, OH 43602.**. Upon receipt of the notice, the Director, or the Director's authorized representative, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio Environmental Protection Agency approval prior to relocation of the

source may result in fines and civil penalties.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. OPERATIONAL RESTRICTIONS

1. Production Limitation

The maximum annual production rate for this emissions unit shall not exceed 580,000 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	72,500
1-2	190,000
1-3	285,000
1-4	380,000
1-5	475,000
1-6	570,000
1-7	580,000
1-8	580,000
1-9	580,000
1-10	580,000
1-11	580,000
1-12	580,000

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. Fuel Usage

The source comprising this permit to install shall combust only natural gas, propane, No. 2 fuel oil of no more than 0.5 percent sulfur content by weight, No. 4 fuel oil of no more than 0.8 percent sulfur content by weight, No. 5 fuel oil of no more than 1.0 percent sulfur by weight, No. 6 fuel oil of no more than 1.0 percent sulfur content by weight, or used oil of no more than 0.5

percent sulfur content by weight. Combustion of any other fuel will constitute a violation of this term.

3. 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 degrees Fahrenheit, minimum
heat content	135,000 Btu/gallon, minimum

4. 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 Solid and Hazardous Waste Management that the used oil does not contain any hazardous waste.

5. RAP Limitation

Stoneco may substitute recycled asphalt aggregates in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials introduced at any given time.

6. Transfer of Aggregate

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

b. 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.

c. Visible particulate emissions from material transfer not to exceed 20 percent opacity as a three-minute average.

B. OPERATIONAL RESTRICTIONS

1. Baghouse Operational Restrictions

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.

C. MONITORING AND/OR RECORDKEEPING REQUIREMENTS

1. Baghouse Pressure Drop

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

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

2. Recordkeeping 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.

3. Fuel Usage

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. Recordkeeping Requirements for Annual Production Rate Limitations

The permittee shall maintain monthly records of the following information:

a. the production rate for each month; and,

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.

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

D. REPORTING REQUIREMENTS

1. Baghouse

The permittee shall submit deviation (excursion) reports which identify all exceedances of the 2-6" allowable pressure drop range.

2. 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.

3. Intent to Relocate a Portable or Mobile Source

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.

4. Annual Production Rate Limitations

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 to 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.

5. Sulfur in Oil

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

6. Percentage of RAP mixed with Raw Material Feed

The permittee shall report any exceedences 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.

7. Reporting Deviations

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 taken, 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).

E. TESTING REQUIREMENTS

P929

1. Stack Testing Requirements

Emission testing shall be required consistent with OEPA Engineering Guide No. 16. Emission tests for particulate shall be conducted in accordance with the tests methods and procedures specified in Method 5 of 40 CFR Part 60, Appendix A. Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity compliance. EPA Method 6 CFR Part 60, Appendix A, shall be used for sulfur dioxide emissions testing. EPA Method 25 or, 25A CFR Part 60, Appendix A, as appropriate, shall be used for volatile organic compound (VOC) emissions testing. The test(s) shall be conducted while the emissions unit is operating at its maximum rated capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

This emissions unit shall combust fuel as clean or cleaner burning than the fuel combusted during the most recent stack test in which compliance was demonstrated. If the permittee wants to combust heavier fuel oils than previously tested, the permittee shall have this emissions unit retested using the heavier fuel oil. For example, if the source was tested for compliance using No. 4 fuel oil, this source shall combust only No. 4 or No. 2 fuel oil or natural gas or propane.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. 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 Toledo Division of Environmental Service's refusal to accept the results of the emission test.

Personnel from the Ohio EPA or Toledo Division of Environmental Services 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.

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 grain per dry standard cubic foot of exhaust gases.

      Applicable Compliance Method

      Stack test in accordance with the stack testing requirements above.

   c. Emission Limitation

      12.5 tons per year TSP

Applicable Compliance Method

The permittee shall use the emission factor in pounds of TSP per ton processed obtained from the most recent stack test times the annual tons processed.

d. Emission Limitation

38.85 pounds per hour of SO_2.

Applicable Compliance Method

Stack test in accordance with the stack testing requirements above using EPA Test Method 6.

e. Emission Limitation

42 tons per year of SO_2.

Applicable Compliance Method

The permittee shall use the emission factor in pounds of $S0_2$ per ton processed obtained from the most recent stack test times the annual tons processed.

f. Emission Limitation

45.9 pounds per hour of $No_{x.}$

Applicable Compliance Method

Multiply 0.17 pound of NO_x per ton (AP-42 Table 11.1-7 dated 1/95) processed by the actual operating rate in tons per hour.

g. Emission Limitation

49 tons per year of $NO_{x.}$

Applicable Compliance Method

Multiply 0.17 pound of NO_x per ton (AP-42 Table 11.1-7 dated 1/95) processed by the number of tons processed for that calender year.

h. Emission Limitation

12.42 pounds per hour of VOC.

Applicable Compliance Method

Multiply 0.046 pound of VOC per ton (AP-42 Table 11.1-7 dated 1/95) processed by the actual operating rate in tons per hour.

i. Emission Limitation

13 tons per year of VOC.

Applicable Compliance Method

Multiply 0.046 pound of VOC per ton (AP-42 Table 11.1-7 dated 1/95) processed by the number of tons processed for that calender year.

j. Emission Limitation

91.8 pounds per hour of CO.

Applicable Compliance Method

Multiply 0.34 pound of CO per ton (AP-42 Table 11.1-7 dated 1/95) processed by the actual operating rate in tons per hour.

k. Emission Limitation

99 tons per year of CO.

Applicable Compliance Method

Multiply 0.34 pound of CO per ton (AP-42 Table 11.1-7 dated 1/95) processed by the number of tons processed for that calender year.

F. MISCELLANEOUS REQUIREMENTS

1. Federally Enforceable Requirements

The following Terms and Conditions are Federally Enforceable Requirements: A(1), B(1), C(1&4), D(1&4), and E(1), E(2).