



State of Ohio Environmental Protection Agency

Street Address:

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Lazarus Gov. Center  
P.O. Box 1049  
Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL  
MEDINA COUNTY  
Application No: 16-02089**

**CERTIFIED MAIL**

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
40 CFR Part 60, Subpart UU	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

**DATE: 1/4/2001**

Soprema USA Inc  
Rabih Hoblos  
310 Quadral Dr  
Wadsworth, OH 44281

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

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

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

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

Very truly yours,

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

CC: USEPA

ARAQMD



**FINAL PERMIT TO INSTALL 16-02089**

Application Number: 16-02089

APS Premise Number: 1652100083

Permit Fee: **\$3200**

Name of Facility: Soprema USA Inc

Person to Contact: Rabih Hoblos

Address: 310 Quadral Dr  
Wadsworth, OH 44281

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

**310 Quadral Dr  
Wadsworth, Ohio**

Description of proposed emissions unit(s):

**Chapter 31 modification, which will supersede PTI 16-1249 issued 1/11/93 and PTI 16-1603 issued 1/15/97, to increase existing permit limits and to cover the installation of new equipment.**

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**

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	32.4
OC	14.24

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

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P901 - roofing products line - saturator, sand applicator, and four mixers (the terms in this permit supercede the terms in PTI 16-1249 issued 8/11/93 and PTI 16-1603 issued 1/15/97).	OAC rule 3745-31-05(A)(3)	3.25 pounds of organic compounds (OC) per hour  14.24 tons of OC per year  22.94 tons of particulate emissions (PE) per year  See A.2.a below.
	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is equivalent to or less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR Part 60, subpart UU.
	OAC rule 3745-17-07(B)	The emission limitation specified by this rule is equivalent to or less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3) and 40 CFR Part 60, subpart UU.
	OAC rule 3745-17-08	The emission limitation specified by this rule is equivalent to or less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the

OAC rule 3745-21-07(G)

40 CFR Part 60, subpart UU

emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

See B.2 below.

See A.2.b below.

## 2. Additional Terms and Conditions

**2.a** The particulate emissions shall not exceed the following:

- i. from the sand/granule application area:
  - a. 2.0 pounds of PE per hour;
  - b. visible particulate emissions from the stack shall not exceed twenty percent opacity, as a six-minute average;
  - c. visible particulate emissions from any fugitive dust source shall not exceed 20 percent as a three-minute average; and
  - d. the sand/granule application area shall be equipped with hoods, fans, and other equipment to adequately enclose, contain, capture, and vent particulate emissions to the stack.
- ii. from the four asphalt mixers:
  - a. 0.84 pound of PE per hour;
  - b. visible particulate emissions from the stack shall not exceed twenty percent opacity, as a six-minute average; and
  - c. the scrubber, which controls the emissions from the four mixers, shall achieve an outlet emission rate of not greater than 0.030 grains of particulate emissions per dry standard cubic foot of exhaust gases.
- iii. from the saturator:
  - a. 1.0 pound of PE per hour when producing mineral-surfaced roll roofing products; and
  - b. 10.0 pounds of PE per hour when producing smooth-surfaced roll roofing products.

**2.b** No permittee shall cause to be discharged into the atmosphere from any saturator:

- i. particulate matter in excess of :
  - a. 0.04 kilograms of particulate per megagram of asphalt shingle or mineral-surfaced roll roofing produced, or
  - b. 0.4 kilograms of particulate per megagram of saturated felt or smooth-surfaced roll roofing produced;
- ii. exhaust gases with opacity greater than 20 percent; and
- iii. any visible emissions from a saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes.

**B. Operational Restrictions**

1. The maximum annual production rate for smooth-surfaced roll roofing product for this emissions unit shall not exceed 15,400 megagrams (16,975.68 tons).
2. The permittee shall not employ any photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stacks serving this emissions unit and for any visible particulate emissions of fugitive dust from this emissions unit (i.e., the sand/granule application area and the saturator). The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location of the emissions (i.e., saturator stack, mixer stack, etc.);
  - b. the color of the emissions;
  - c. whether the emissions are representative of normal operations;
  - d. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - e. the total duration of any visible emission incident; and
  - f. any corrective actions taken to eliminate the visible emissions.
2. The permittee shall maintain monthly records of the smooth-surfaced roll roofing product produced in this emissions unit.

3. The permittee shall maintain the following information for this emissions unit:
  - a. the MSDS sheets for each liquid organic material employed; and
  - b. documentation as to whether or not each material is a photochemically reactive material.

#### **D. Reporting Requirements**

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stacks serving this emissions unit and/or any visible particulate emissions of fugitive dust which were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
2. The permittee shall submit annual reports that identify any exceedances of the annual smooth-surfaced roll roofing product production rate limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing if a "photochemically reactive material" (as defined in OAC rule 3745-21-01(C)(5)) is employed in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 45 days after such as occurrence.

#### **E. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted six month prior to the permit to operate renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates from the saturator for the smooth-surfaced roll roofing products and for the mineral-surfaced roll roofing products.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rates:
    - i. Method 5A of 40 CFR Part 60, Appendix A as describe in 40 CFR 60.474(c)(2) for the saturator for the smooth-surfaced roll roofing products and for the mineral-surfaced roll roofing products;
      - a. for the smooth-surfaced roll roofing products, the test shall be conducted while 6.8-kg (15-lb) felt is being produced; and

- b. for the mineral-surfaced roll roofing products, the test shall be conducted while 106.6-kg (235-lb) shingle is being produced.
- ii. The emission rate (E) of particulate matter shall be computed for each run using the following equation:
- $$E = (csQsd)/(PK)$$
- where:
- E=emission rate of particulate matter, kg/Mg  
cs=concentration of particulate matter, g/dscm (g/dscf)  
Qsd=volumetric flow rate of effluent gas, dscm/hr (dscf/hr)  
P=asphalt roofing production rate Mg/hr (ton/hr)  
K=conversion factor, 1000g/kg [907.2/(g-Mg)/(kg-ton)]
- iii. The asphalt roofing production rate (P) for each run shall be determined as follows: The amount of asphalt roofing produced on the saturated felt process lines shall be obtained by direct measurements. The asphalt roofing production rate is the amount produced divided by the time taken for the run.
- iv. Method 9 of 40 CFR Part 60, Appendix A and procedures in 40 CFR 60.11 shall be used to determine the opacity for the stack exhaust; and
- v. Method 22 of 40 CFR Part 60, Appendix A, modified so that readings are recorded every 15 seconds for a period of consecutive observations during representative conditions (in accordance with 40 CFR 60.8(c)) totaling 60 minutes for the saturator capture system. A performance test shall consist of one run.
- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
3. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

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

a. Emission Limitation

3.25 pounds of OC per hour

Applicable Compliance Method

Multiply the OC emissions factor of 0.26 pound(s) of OC emissions per ton of product produced (AP-42, Table 11.2-4 dated 1/95) by the maximum hourly production rate.

b. Emission Limitation

14.24 tons of OC per year

Applicable Compliance Method

Multiply the OC emissions factor of 0.26 pound(s) of OC emissions per ton of product produced (AP-42, Table 11.2-4 dated 1/95) by the maximum hourly production rate times 8760 hours per year, then divide by 2000.

c. Emission Limitation

22.94 tons of PE per year

Applicable Compliance Method

Multiply the allowable particulate emission rate of 2.84 pounds of particulate emissions per hour from the sand/granule application and the four mixers by 8760 hours per year plus multiply the allowable particulate emission rate for smooth-surfaced roll roofing product of 0.4 kilograms of particulate per megagram of smooth-surfaced roll roofing produced by the maximum allowable annual production limitation (15,400 megagrams per year) divided by 0.45359 kilograms per pound plus multiply the allowable particulate emission rate for mineral-surfaced roll roofing product of 0.04 kilograms of particulate per megagram of mineral-surfaced roll roofing produced by the maximum annual production limitation minus the maximum allowable annual production for smooth-surfaced roll roofing (99,513.6 - 15,400) divided by 0.45359 kilograms per pound, then divide by 2000.

d. Emission Limitation

2.0 pounds of PE per hour from the sand/granule application area

Applicable Compliance Method

If required, compliance with the allowable emission limitations for particulates shall be determined by using the test method(s) and procedures specified in OAC rule 3745-17-03(B)(10).

e. Emission Limitation

visible particulate emissions from the stack shall not exceed twenty percent opacity, as a six-minute average for the sand/granule application area

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

f. Emission Limitation

visible particulate emissions from any fugitive dust source shall not exceed twenty percent as a three-minute average for the sand/granule application area

Applicable Compliance Method

OAC rule 3745-17-03(B)(3)

g. Emission Limitation

0.84 pound of PE per hour from the four asphalt mixers

Applicable Compliance Method

If required, compliance with the allowable emission limitations for particulates shall be determined by using the test method(s) and procedures specified in OAC rule 3745-17-03(B)(10).

h. Emission Limitation

visible particulate emissions from the stack shall not exceed twenty percent opacity, as a six-minute average for the four asphalt mixers

Applicable Compliance Method

OAC rule 3745-17-03(B)(1)

i. Emission Limitation

the scrubber, which controls the emissions from the four mixers, shall achieve an outlet emission rate of not greater than 0.030 grains of particulate emissions per dry standard cubic foot of exhaust gases

Applicable Compliance Method

If required, compliance with the allowable emission limitations for particulates shall be determined by using the test method(s) and procedures specified in OAC rule 3745-17-03(B)(10).

j. Emission Limitation

1.0 pound of PE per hour when producing mineral-surfaced roll roofing products

Applicable Compliance Method

Multiply the allowable particulate emission rate for mineral-surfaced roll roofing product of 0.04 kilograms of particulate per megagram of mineral-surfaced roll roofing produced by the maximum hourly production rate.

k. Emission Limitation

10.0 pounds of PE per hour when producing smooth-surfaced roll roofing products

Applicable Compliance Method

Multiply the allowable particulate emission rate for smooth-surfaced roll roofing product of 0.4 kilograms of particulate per megagram of smooth-surfaced roll roofing produced by the maximum hourly production rate.

l. Emission Limitation

0.04 kilograms of particulate per megagram of asphalt shingle or mineral-surfaced roll roofing produced

Applicable Compliance Method

Compliance with the allowable particulate emission limitation shall be demonstrate through stack testing as required in sections E.1 through E.4 above.

m. Emission Limitation

0.4 kilograms of particulate per megagram of saturated felt or smooth-surfaced roll roofing produced

Applicable Compliance Method

Compliance with the allowable particulate emission limitation shall be demonstrate through stack testing as required in sections E.1 through E.4 above.

n. Emission Limitation

particulate matter in excess of exhaust gases with opacity greater than 20 percent

Applicable Compliance Method

As required in section E.1 above, Method 9 of 40 CFR Part 60, Appendix A and the procedures in 40 CFR 60.11 shall be used to determine opacity.

o. Emission Limitation

particulate matter in excess of any visible emissions from a saturator capture system for more than 20 percent of any period of consecutive valid observations totaling 60 minutes

Applicable Compliance Method

As required in section E.1 above, Method 22 of 40 CFR Part 60, Appendix A, modified so the reading are recorded every 15 seconds for a period of consecutive observations during representative conditions (in accordance with 40 CFR 60.8(c)) totaling 60 minutes. A performance test shall consist of one run.

**F. Miscellaneous Requirements**

1. The terms and conditions in this permit to install 16-02089 shall supersede all the air pollution control requirements for P901 in permits to install 16-1249 and 16-1603.

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

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P902 - material handling - truck unloading via pneumatic conveying to the three storage silos and screw conveying from the three storage silos to the roofing products line (the terms in this permit supercede the terms in PTI 16-1249 issued 8/11/93).	OAC rule 3745-31-05(A)(3)	2.16 pounds of particulate emissions (PE) per hour
		9.46 tons of PE per year
		See A.2.a below.
	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, subpart UU.
	OAC rule 3745-17-07(B)	The requirements specified by this rule are equivalent to the requirements established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	40 CFR Part 60, subpart UU	No permittee shall cause to be discharged into the atmosphere from any mineral handling and storage

facility emissions with opacity greater than 1 percent. See A.2.b below.

## 2. Additional Terms and Conditions

- 2.a** The screw conveying of raw materials from the three storage silos to the roofing products line and the transfer points shall be enclosed. There shall be no visible particulate emissions of fugitive dust to the ambient air from the conveying of raw materials from the three storage silos to the roofing products line and the transfer points.
- 2.b** 40 CFR Part 60, subpart UU defines mineral handling and storage facility to mean the areas in an asphalt roofing plant in which minerals are unloaded from a carrier, the conveyor transfer points between the carrier and the storage silos, and the storage silos.

## B. Operational Restrictions

None

## C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the conveyor transfer points between the carrier and the storage silo and the storage silo stacks serving this emissions unit and for any visible particulate emissions of fugitive dust from the conveying of raw material to the roofing products line and from the associated transfer points. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

For the conveyor transfer points between the carrier and the storage silo and the storage silo stacks:

- a. the location of the emissions (i.e., filler silo stack, etc.);
- b. the color of the emissions;
- c. whether the emissions are representative of normal operations;
- d. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- e. the total duration of any visible emission incident; and
- f. any corrective actions taken to eliminate the visible emissions.

For the conveying of raw material to the roofing products line and from the associated transfer points:

- a. the location of the emissions (i.e., transfer point between mixer and filler conveyor, etc.);
- b. the color of the emissions;
- c. the cause of the abnormal emissions;
- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to eliminate the visible emissions.

#### **D. Reporting Requirements**

1. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from conveyor transfer points between the carrier and the storage silo and the storage silo stacks serving this emissions unit and/or any visible particulate emissions of fugitive dust were observed from the conveying of raw material to the roofing products line and from the associated transfer points and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

#### **E. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted within 60 days of achieving the maximum production rate at which the facility will be operated but no later than 180 days after initial startup of the facility.
  - b. The emission testing shall be conducted to demonstrate compliance with the opacity limitation for the mineral handling and storage facility.
  - c. The following test method(s) shall be employed to demonstrate compliance with the opacity limitation: Method 9 of 40 CFR Part 60, Appendix A and procedures in 40 CFR 60.11 shall be used to determine the opacity for the
  - d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions 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 Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

3. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.
5. Compliance with the emission limitation(s) in Section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

2.16 pounds of PE per hour

Applicable Compliance Method

Multiply the particulate emissions factor of 3.6 pound(s) of particulate emissions per ton of raw material handled (US EPA Fire version 6.23 - SCC 3-04-003-50) by the maximum hourly raw material rate.

b. Emission Limitation

9.46 tons of PE per year

Applicable Compliance Method

Multiply the particulate emissions factor of 3.6 pound(s) of particulate emissions per ton of raw material handled (US EPA Fire version 6.23 - SCC 3-04-003-50) by the maximum hourly raw material rate times 8760 hours per year, then divide by 2000.

c. Emission Limitation

No permittee shall cause to be discharged into the atmosphere from any mineral handling and storage facility emissions with opacity greater than 1 percent.

Applicable Compliance Method

As required in E.1 through E.4 above, Method 9 of 40 CFR Part 60, Appendix A and the procedures in 40 CFR 60.11 shall be used to determine opacity.

d. Emission Limitation

There shall be no visible particulate emissions of fugitive dust to the ambient air from the conveying of raw materials from the three storage silos to the roofing products line and the transfer points.

Applicable Compliance Method

OAC rule 3745-17-03(B)(4)

**F. Miscellaneous Requirements**

1. The terms and conditions in this permit to install 16-02089 shall supersede all the air pollution control requirements for P902 in permit to install 16-1249.

**NEW SOURCE REVIEW FORM B**

PTI Number: 16-02089

Facility ID: 1652100083

FACILITY NAME Soprema USA Inc

FACILITY DESCRIPTION Chapter 31 modification, which will supercede PTI 16-1249 issued 1/11/93 and PTI 16-1603 issued 1/15/97, to increase existing permit limits and to cover the installation of new equipment. CITY/TWP Wadsworth

SIC CODE 2952 SCC CODE 3-05-011-19 EMISSIONS UNIT ID P901

EMISSIONS UNIT DESCRIPTION roofing products line - saturator, sand applicator, and four mixers (the terms in this permit supercede the terms in PTI 16-1249 issued 8/11/93 and PTI 16-1603 issued 1/15/97).

DATE INSTALLED 11/27/00

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter			22.94	0.84 lb/hr for mixers; 2.0 lbs/hr for sand/granule application area; 1.0 lb/hr for mineral-surfaced roll roofing; 10.0 lbs/hr for smooth-surfaced roll roofing	22.94
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60, Subpart UU NESHAP? PSD? OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**

**Compliance with the NSPS and the terms and conditions of this permit.**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? \_\_\_\_\_

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ \_\_\_\_\_

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.



**NEW SOURCE REVIEW FORM B**

PTI Number: 16-02089

Facility ID: 1652100083

FACILITY NAME Soprema USA Inc

FACILITY DESCRIPTION Chapter 31 modification, which will supercede PTI 16-1249 issued 1/11/93 and PTI 16-1603 issued 1/15/97, to increase existing permit limits and to cover the installation of new equipment. CITY/TWP Wadsworth

SIC CODE 2952 SCC CODE 3-05-001-05 EMISSIONS UNIT ID P902

EMISSIONS UNIT DESCRIPTION material handling - truck unloading via pneumatic conveying to the three storage silos and screw conveying from the three storage silos to the roofing products line (the terms in this permit supercede the terms in PTI 16-1249 issued 8/11/93).

DATE INSTALLED 2/1/00

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter			0.22	2.16	9.46
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? 40 CFR Part 60, Subpart UU NESHAP? \_\_\_\_\_ PSD? \_\_\_\_\_ OFFSET POLICY? \_\_\_\_\_

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

**Compliance with the NSPS and the terms and conditions of the permit.**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? \_\_\_\_\_

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ \_\_\_\_\_

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES X NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

**NEW SOURCE REVIEW FORM B**

PTI Number: 16-02089

Facility ID: 1652100083

FACILITY NAME Soprema USA Inc

FACILITY DESCRIPTION Chapter 31 modification, which will supercede PTI 16-1249 issued 1/11/93 and PTI 16-1603 issued 1/15/97, to increase existing permit limits and to cover the installation of new equipment. CITY/TWP Wadsworth

**Ohio EPA Permit to Install Information Form** Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit **hard copy items to Pam McGraner, AQM&P, DAPC, Central Office, and electronic files to airpti@epa.state.oh.us**

<i>Please fill out the following. If the checkbox does not work, replace it with an 'X'</i>	<u>Electroni</u> <u>c</u>	<u>Additional information File</u> <u>Name Convention (your PTI</u> <u># plus this letter)</u>	<u>Hard</u> <u>Copy</u>	<u>None</u>
<u>Calculations (required)</u>	<input checked="" type="checkbox"/>	1602089c.wpd	<input type="checkbox"/>	
<u>Modeling form/results</u>	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>PTI Application (complete or partial)*</u>	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>BAT Study</u>	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Other/misc.</u>	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**\* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.**

Please complete (see comment bubble to the left for additional instructions):

NSR Discussion

An annual production limitation for smooth-surfaced roll roofing products for emissions unit P901 was established in order to avoid state modeling for PM-10.

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

- Synthetic Minor Determination and/or  Netting Determination  
Permit To Install ENTER PTI NUMBER HERE

A. Source Description

B. Facility Emissions and Attainment Status

C. Source Emissions

D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

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

**NEW SOURCE REVIEW FORM B**

PTI Number: 16-02089

Facility ID: 1652100083

FACILITY NAME Soprema USA Inc

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FACILITY DESCRIPTION	Chapter 31 modification, which will supercede PTI 16-1249 issued 1/11/93 and PTI 16-1603 issued 1/15/97, to increase existing permit limits and to cover the installation of new equipment.	CITY/TWP	Wadsworth
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**Pollutant**

**Tons Per Year**

**PE**

**32.4**

**OC**

**14.24**