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

Permit To Install **13-03947**

A. Source Description

Cuyahoga Road Products has submitted a permit to install application to modify a portable asphalt drum plant to burn No. 2 fuel oil and on-specification used oil as alternative fuels. This PTI will allow the burning of said fuels and restrict plant operation/production and emissions below the Title 5 Permit Program applicability.

B. Facility Emissions and Attainment Status

This facility has Title V status due to the facility emitting NO_x, CO and SO_2 in excess of 100 TPY. This facility has PSD status due to the facility emitting CO in excess of 250 TPY. This facility has NSR Nonattainment status due to the facility emitting SO_2 in excess of 100 TPY. Cuyahoga County is designated as attainment for NO_x and CO, and Cleveland is nonattainment for SO_2.

C. Source Emissions

This modified source has the potential to emit (PTE) more than 100 TPY of NO_x (144.5 TPY), more than 250 TPY of CO (341.6 TPY), and more than 100 TPY of SO_2 (152.4 TPY) when burning waste oil, resulting in Title V, PSD and NSR Nonattainment applicability. However, the company has requested a Federally Enforceable Permit to Install (Synthetic Minor) in order to avoid Title V, PSD and NSR Nonattainment. The allowable will restrict the emissions of NO_x to 34.38 TPY, CO to 81.25 TPY, and SO_2 to 36.2 TPY. The PTE for burning on-specification used oil is considered worst case; therefore, all other fuel oils that will be burned will be below applicable threshold levels.

D. Conclusion

Limiting the annual production rate of this emissions unit to 1,250,000 TPY will limit the NO_x, CO and SO_2 emissions. Therefore, Cuyahoga Road Products will not be subject to Title V, PSD or NSR Nonattainment permitting.

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: DRAFT PERMIT TO INSTALL **CERTIFIED MAIL**
CUYAHOGA COUNTY
Application No: 13-03947
DATE: 5/21/2002

Cuyahoga Road Products
Steven Alex
2100 W Third St
Cleveland, OH 44113

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

A Permit to Install may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **$1000** will be due. Please do not submit any payment now.

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

Very truly yours,

Thomas G. Rigo

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

CC: USEPA **CBAPC** **PA**

DRAFT PERMIT TO INSTALL 13-03947

Application Number:	13-03947
APS Premise Number:	1318007398
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Cuyahoga Road Products
Person to Contact:	Steven Alex
Address:	2100 W Third St Cleveland, OH 44113

Location of proposed air contaminant source(s) [emissions unit(s)]:
2100 W Third St
Cleveland, **Ohio**

Description of proposed emissions unit(s):
CH 31 modification to include the use of alternative fuels - P902.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

_____
Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

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

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

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

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

8. Termination of Permit to Install

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

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may

lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

10. Public Disclosure

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

11. Applicability

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

12. Best Available Technology

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

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

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete

Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

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

14. Construction Compliance Certification

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

15. Fees

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

B. Permit to Install Summary of Allowable Emissions

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

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

Pollutant	Tons Per Year
PM	16.13
PM_{10}	1.68
SO_2	36.2
NO_x	34.38
VOC	20.0
CO	81.25
Formaldehyde	1.94

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
P902 - 600 TPH Gencor Portable Drum Mix Asphalt Plant modification to include the use of No. 2 fuel oil and on-specification used oil as alternative fuels in this emissions unit.	OAC rule 3745-31-05(A)(3)
Aggregate Handling	40 CFR Part 60, Subpart I
	OAC rule 3745-17-11(B)
	O AC rule 3745-17-07(A)(1)

	Applicable Emissions Limitations/Control Measures	The TPY emissions limits are based upon the annual asphalt production restriction of Section B.1.
OAC Rule 3745-31-05(D) Synthetic Minor to avoid Prevention of Significant Deterioration and Title V Status	12.0 lbs/hr PM, 12.5 TPY 33.0 lbs/hr NO_x 78.0 lbs/hr CO 19.2 lbs/hr VOC, 20.0 TPY 34.8 lbs/hr SO_2 1.86 lbs/hr Formaldehyde, 1.94 TPY See Sections B.3. and B.4.	See Section B.2. PM 3.63 TPY PM10 1.68 TPY
OAC rule 3745-31-05(A)(3)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1) and 3745-31-05(D). The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c through A.2.e) The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1). 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 3745-17-08(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).	Visible particulate emissions of fugitive dust shall not exceed 20 percent opacity as a three-minute average.
OAC rule 3745-17-07(B)(1)	Visible particulate emissions shall not exceed 20 percent opacity as a six-minute average from the stack, except as provided by rule. 34.38 TPY NO_x* 81.25 TPY CO* 36.2 TPY SO_2* * as a 12-month rolling summation	

Emissions Unit ID: **P902**

2. Additional Terms and Conditions

2.a Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the emission limitations, productions limitations, and the use of a baghouse.

2.b The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:
-transfer points of material
-aggregate conveyor screening
-weight hopper loading

2.c The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall minimize the drop height of the front end loader bucket to the extent possible in order to minimize or eliminate fugitive dust. The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions from elevators, aggregate screening points and transfer points to the dryer. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

2.e Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.

2.f All recycled, used oil burned in P902 shall meet the following specifications:

Contaminant/Property	Allowable Specification
Arsenic	5 ppm, maximum
Cadmium	2 ppm, maximum
Chromium	10 ppm, maximum
Lead	100 ppm, maximum

PCB's	10 ppm, maximum*
Total halogens	4000 ppm, maximum**
Mercury	1 ppm, maximum
Flash point	100°F, minimum
Heat content	135,000 Btu/gallon, minimum

*If the permittee is burning used oil with any quantifiable level (2 ppm) of PCB's, then the permittee is subject to the notification requirements of 40 CFR 279.62.

**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 3745-279. 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 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.

B. Operational Restrictions

1. The maximum annual production rate for this emissions unit shall not exceed 1,250,000 TPY based upon a rolling, 12-month summation of the production rates.

2. To ensure enforceability during the first 12 calendar months of operation following the startup of the modified emissions unit, the permittee shall not exceed the production level specified in the following table:

Month(s)	Maximum Allowable Cumulative Production in Tons
1	113,600
1-2	227,200
1-3	340,800
1-4	454,400
1-5	568,000
1-6	681,600
1-7	795,200
1-8	908,800
1-9	1,022,400

1-10	1,136,000
1-11	1,249,600
1-12	1,250,000

After the first 12 calendar months of operation following the startup of the modified emissions unit, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

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 not less than 4 or greater than 7 inches of water shall be maintained at all times.

4. Fuel Usage:
The permittee reserves the right to burn natural gas, propane, No. 2 fuel oil, and on-specification used oil. All fuel shall contain no more than 0.50% sulfur content, by weight.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate and maintain a monitoring device capable of accurately measuring the pressure drop across the baghouse.

2. The permittee shall check the pressure drop once per shift and maintain daily records of the pressure drop readings.

3. 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.

4. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform daily inspections of such operations.

5. The above-mentioned inspections shall be performed during representative, normal 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 to demonstrate compliance with the terms A.2.c and A.2.d of this permit:

   a. the date and reason any required inspection was not performed;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):

   c. the dates the control measure(s) was (were) implemented; and

   d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 7.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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

   Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) 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.

9. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analysis for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the above-mentioned allowable pressure drop range.

2. The permittee shall submit deviation (excursion) reports that identify all exceedances of the rolling, 12-month production rate limitation and, for the first 12 calendar months of operation following the startup of the modified emissions unit, all exceedances of the maximum allowable cumulative production levels.

3. The permittee shall submit deviation reports that identify any of the following occurrences with regard to C.7 of this permit:

   a. each day during which an inspection was not performed by the required frequency; and

   b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

4. The permittee shall submit deviation (excursion) reports which identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit.

5. The permittee shall submit deviation (excursion) reports which identify each day when a fuel other than the fuels listed in Section B.4. was burned in this emissions unit.

6. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

7. The permittee shall notify USEPA and Ohio EPA if any of the used oil exceeds the used oil specifications found in OAC rule 3745-279-11 within 5 days of occurrence. If the permittee is burning used oil which exceeds the specifications found in OAC rule 3745-279-11, the permittee is subject to that rule and must comply with all provisions of that rule and all applicable regulations pertaining to the burning of waste oil.

8. The permittee shall submit annual reports which specify the asphalt production rate (in tons) and the PM, NO_x, SO_2, OC and CO emissions for emissions unit P902 for the previous calendar year. For the first 12 calendar months following the startup of the modified emissions unit P902, these reports shall include the cumulative asphalt production rate for each calendar month in the reporting period. Beginning after the first 12 calendar months following the startup of the modified emissions unit P902, these reports shall include the rolling, 12-month summations of asphalt production rate and asphalt production rate using oil for each calendar month in the reporting period. These reports shall be submitted by January 31 of each year.

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 after achieving maximum production but no later than 180 days after start-up.

b. The emission testing shall be conducted to demonstrate compliance with the allowable PM, CO, NO_x, SO_2, and VOC emission rates and the visible emissions limitation while burning on-spec used oil.

c. During the emission testing, the production rate, in tons product/hr, shall be determined.

d. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) while burning on-spec used oil:

Allowable Emissions Rates	Test Methods*
lb PM/hr	5 or 5A
20% opacity as a six-minute average from any stack	9
20% opacity as a three-minute average from fugitive PM	9
lb CO/hr	10
lb NO_x/hr	7
lb SO_2/hr	6
lb VOC/hr	25

*Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

e. 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 Cleveland Bureau of Air Pollution Control (Cleveland BAPC).

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test"notification to the Cleveland BAPC.

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and dates(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 Cleveland BAPC's refusal to accept the results of the emissions test(s).

Personnel from the Cleveland BAPC 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.

A comprehensive written report on the results of the emission test(s) shall be signed by the person or persons responsible for the tests and submitted to the Cleveland BAPC 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 Cleveland BAPC.

2. Emission Limitation -
12.0 lbs/hr of PM
12.5 TPY of PM

Applicable Compliance Method -
See E.1. The TPY emission rate shall be determined by calculating the short term emission factor, determined by dividing the short term emission rate (in lbs/hr) by the production rate (in tons product/hr), established during the emission testing. This emission factor (in lbs PM/ton product) shall be multiplied by the actual annual production rate and (1 ton/2000 lbs).

3. Emission Limitation -
5% opacity, as a six-minute average

Applicable Compliance Method(s) -
Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

4. Emission Limitation -
33.0 lbs/hr of NO_x
34.38 TPY of NO_x as a 12-month rolling summation

Applicable Compliance Method -
See E.1. The TPY emission rate shall be determined by calculating the short term emission factor, determined by dividing the short term emission rate (in lbs/hr) by the production rate (in tons product/hr), established during the emission testing. This emission factor (in lbs PM/ton product) shall be multiplied by the actual annual production rate and (1 ton/2000 lbs).

5. Emission Limitation -
78.0 lbs/hr of CO
81.25 TPY of CO as a 12-month rolling summation

Applicable Compliance Method -
See E.1. The TPY emission rate shall be determined by calculating the short term emission factor, determined by dividing the short term emission rate (in lbs/hr) by the production rate (in tons product/hr), established during the emission testing. This emission factor (in lbs PM/ton product) shall be multiplied by the actual annual production rate and (1 ton/2000 lbs).

6. Emission Limitation -

19.2 lbs/hr of VOC
20.0 TPY of VOC

Applicable Compliance Method -
See E.1. The TPY emission rate shall be determined by calculating the short term emission factor, determined by dividing the short term emission rate (in lbs/hr) by the production rate (in tons product/hr), established during the emission testing. This emission factor (in lbs PM/ton product) shall be multiplied by the actual annual production rate and (1 ton/2000 lbs).

7. Emission Limitation -
34.8 lbs/hr of SO_2
36.2 TPY of SO_2 as a 12-month rolling summation

Applicable Compliance Method -
See E.1. The TPY emission rate shall be determined by calculating the short term emission factor, determined by dividing the short term emission rate (in lbs/hr) by the production rate (in tons product/hr), established during the emission testing. This emission factor (in lbs PM/ton product) shall be multiplied by the actual annual production rate and (1 ton/2000 lbs).

8. Emission Limitation -
1.86 lbs/hr of Formaldehyde
1.94 TPY of Formaldehyde

Applicable Compliance Method -
Compliance with the short term limit shall be based upon multiplying the maximum capacity of the emissions unit (600 TPH) by the emission factor (in lb/ton) from AP-42 "Compilation of Air Pollutant Emission Factors", Table 11.1-10 (12/00) for formaldehyde. Compliance with the annual limit shall be determined by multiplying the short term emission rate by the annual production restriction (1,250,000 TPY), dividing by the maximum capacity of the emissions unit (600 TPH) and dividing by 2000 lbs/ton.

9. Emission Limitation - aggregate material handling emissions
20% opacity, as a three-minute average for fugitive dust emissions

Applicable Compliance Method -
Compliance with the visible emission limitation for the aggregate handling operation(s) identified above shall be determinted in accordance with Test Method 9 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)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

10. Emission Limitation - aggregate material handling emissions
3.63 TPY of PM

Applicable Compliance Method -
Compliance with the PM emission limits shall be determined by the following equation:

PM = EF x 3 x 1,250,000 tons/yr x 50% x (1 ton/2000 lbs)

Where:
EF = calculated emission factors for PM derived from formulae listed in USEPA reference document AP-42, Fifth Edition, "Compilation of Air Pollutant Emission Factors", Section 13.2.4, (1/95). The total is 0.0039 lb/ton for all aggregates handled.

1,250,000 tons/yr - is the maximum amount of aggregates used in the production of 1,250,000 tons/yr of asphalt.

3 - is a multiplier factor to include emissions points resulting from the following material handling operations; front-end loading, aggregate screening and transfer points.

50% - is the assumed emission control efficiency, by weight.

11. Emission Limitation - aggregate material handling emissions
1.68 TPY of PM_{10}

Applicable Compliance Method -
Compliance with the PM_{10} emission limits shall be determined by the following equation:

PM_{10} = EF x 3 x 1,250,000 tons/yr x 50% x (1 ton/2000 lbs)

Where:
EF = calculated emission factors for PM_{10} derived from formulae listed in USEPA reference document AP-42, Fifth Edition, "Compilation of Air Pollutant Emission Factors", Section 13.2.4, (1/95). The total is 0.0018 lb/ton for all aggregates handled.

1,250,000 tons/yr - is the maximum amount of aggregates used in the production of 1,250,000 tons/yr of asphalt.

3 - is a multiplier factor to include emissions points resulting from the following material handling operations; front-end loading, aggregate screening and transfer points.

50% - is the assumed emission control efficiency, by weight.

12. The compliance testing required in E.1 shall also comply with the requirements of 40 CFR 60.93.

F. Miscellaneous Requirements

1. Odor Prevention:
The emissions from this emissions unit are prohibited from causing a nuisance in violation of OAC rule 3745-15-07. If the Director determines that the emissions from this emissions unit are contributing to a nuisance, the permittee, upon notification by Ohio EPA, shall immediately undertake a program to reduce emissions or the impact of the emissions to achieve compliance with OAC rule 3745-15-07.

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

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

b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Cleveland Bureau of Air Pollution Control and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

d. in the Cleveland Bureau of Air Pollution Control's and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

3. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

b. the portable emissions unit is equipped with best available technology;

c. the portable emission unit owner has identified the proposed site to Ohio EPA;

d. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

f. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to the proposed site; and

g. the portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

4. Any site approvals issued by the Ohio EPA, pursuant to F.3. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Cleveland Bureau of Air Pollution Control 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 Cleveland Bureau of Air Pollution Control (1925 St. Clair Ave., Cleveland, OH 44114) and the appropriate office having jurisdiction over the new site. Upon receipt of the notice, the Cleveland Bureau of Air Pollution Control and/or the 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.

5. With the exception of C.11 and C.12 all of the terms and conditions of this permit to install are federally enforceable.

6. This source is 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.

   The application and enforcement of these standards are delegated to the Ohio Environmental Protection Agency. 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, Ohio 43216-3669

   and

   The Cleveland Bureau of Air Pollution Control
   1925 St. Clair Ave.
   Cleveland, Ohio 44114

7. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary

because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is

hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

8. The terms in this permit supercede those identified in PTI 13-03630, for this emissions unit, issued March 29, 2000.