Ohio Environmental Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT
Yes	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
Yes	FEDERALLY ENFORCABLE PTIO (FEPTIO)

7/14/2010

Ralph Kyanko
Kokosing Materials, Inc. Plant 504
1539 Lowell Street
Elyria, OH 44035

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0142000091
Permit Number: P0105647
Permit Type: Renewal
County: Knox

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to "Ohio Treasurer Kevin Boyce," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Ohio EPA DAPC, Central District Office at (614)728-3778 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-CDO

Ohio | Environmental Protection Agency

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
Kokosing Materials, Inc. Plant 504

Facility ID:	0142000091
Permit Number:	P0105647
Permit Type:	Renewal
Issued:	7/14/2010
Effective:	7/14/2010
Expiration:	7/14/2015

Ohio | Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install and Operate
for
Kokosing Materials, Inc. Plant 504

Table of Contents

Authorization 1

A. Standard Terms and Conditions 3

1. What does this permit-to-install and operate ("PTIO") allow me to do? 4
2. Who is responsible for complying with this permit? 4
3. What records must I keep under this permit? 4
4. What are my permit fees and when do I pay them? 4
5. When does my PTIO expire, and when do I need to submit my renewal application? 4
6. What happens to this permit if my project is delayed or I do not install or modify my source? 5
7. What reports must I submit under this permit? 5
8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit? 5
9. What are my obligations when I perform scheduled maintenance on air pollution control equipment? 5
10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report? 5
11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located? 6
12. What happens if one or more emissions units operated under this permit is/are shut down permanently? 6
13. Can I transfer this permit to a new owner or operator? 6
14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"? 6
15. What happens if a portion of this permit is determined to be invalid? 7

B. Facility-Wide Terms and Conditions 8

C. Emissions Unit Terms and Conditions 10

1. P901, Asphalt Plant 504 11

Authorization

Facility ID: 0142000091
Application Number(s): M0000623
Permit Number: P0105647
Permit Description: Administrative modification to PTI 01-08688, issued final 06/05/2003. The modification is to change annual maximum operating hours to maximum production tons. There will not be an increase in emissions from this modification.
Permit Type: Renewal
Permit Fee: $0.00
Issue Date: 7/14/2010
Effective Date: 7/14/2010
Expiration Date: 7/14/2015
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Kokosing Materials, Inc. Plant 504
17531 Waterford Rd
Crane TWP Upper Sandusky
Fredericktown, OH 43019

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

Authorization (continued)

Permit Number: P0105647
Permit Description: Administrative modification to PTI 01-08688, issued final 06/05/2003. The modification is to change annual maximum operating hours to maximum production tons. There will not be an increase in emissions from this modification.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	**P901**
Company Equipment ID:	Asphalt Plant 504
Superseded Permit Number:	01-08688
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.
The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

  You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).
The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Central District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed

permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.
If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.
You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting[1] a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.
You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.
Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated

[1] Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

   a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

      (1) None.

   b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

      (1) None.

C. Emissions Unit Terms and Conditions

1. P901, Asphalt Plant 504

Operations, Property and/or Equipment Description:

350 TPH portable asphalt plant, controlled by a baghouse; Plant 504

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Carbon monoxide (CO) emissions from burning on-spec used oil shall not exceed 116.3 lbs/hr. CO emissions from burning natural gas shall not exceed 45.5 lbs/hr. CO emission from burning number 2 fuel shall not exceed 116.3 lbs/hr. Nitrogen Oxide (NO_x) emissions from burning on-spec used oil shall not exceed 7.1 lbs/hr. NO_x emissions from burning natural gas shall not exceed 9.1 lbs/hr. NO_x emissions from burning number 2 fuel oil shall not exceed 7.1 lbs/hr.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Sulfur Dioxide (SO_2) emissions from burning on-spec used oil shall not exceed 27.0 lbs/hr. SO_2 emissions from burning natural gas shall not exceed 1.2 lbs/hr. SO_2 emissions from burning number 2 fuel shall not exceed 27.0 lbs/hr. Volatile Organic Compound (VOC) emissions from burning on-spec used oil shall not exceed 28.2 lbs/hr. VOC emissions from burning natural gas shall not exceed 15.4 lbs/hr. VOC emission from burning number 2 fuel shall not exceed 28.2 lbs/hr. PM-10 from the stack shall not exceed 0.04 gr/dscf when burning on-spec oil, number 2 fuel oil, or natural gas. Emissions of fugitive PM-10 shall not exceed 1.93 pounds per hour when burning on-spec oil, number 2 fuel oil, or natural gas. Emissions of fugitive particulate emissions shall not exceed 3.96 pounds per hour when burning on-spec oil, number 2 fuel oil, or natural gas. Arsenic, cadmium, chromium, and lead emissions are limited by the fuel specifications in b)(2)b below. Visible particulate emissions from the stack shall not exceed 20% opacity, as a 3-minute average. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust .See section b)(2)a.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper. Visible emissions of fugitive dust (from areas other than the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper) shall be less than or equal to 10% opacity, as a 3-minute average. The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the aggregate storage bins. The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize the visible emissions of fugitive dust from conveyors and all transfer points to the dryer. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D) and 40CFR Part 60, Subpart I. See b)(2)c-f below.
b.	OAC rule 3745-31-05(D)	Particulate emissions (PE) from the stack shall not exceed 8.7 tons per rolling 12-month period. PM-10 emissions from the stack shall not exceed 8.7 tons per rolling 12-month period. Fugitive PE shall not exceed 2.97 tons per rolling 12-month period. Fugitive PM-10 emissions shall not exceed 1.45 tons per rolling 12-month period. CO emissions shall not exceed 87.2

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		tons per rolling 12-month period. VOC emissions shall not exceed 21.2 tons per rolling 12-month period. SO_2 emissions shall not exceed 20.3 tons per rolling 12-month period. NO_x emissions shall not exceed 6.8 tons per rolling 12-month period.
c.	OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)(1) OAC rule 3745-18-06(E)	The emissions limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
d.	40 CFR Part 60, Subpart I	PE shall not exceed 0.04 gr/dscf when burning on-spec oil, number 2 fuel oil, or natural gas.

(2) Additional Terms and Conditions

a. The permittee shall ensure that the baghouse is operated with sufficient air volume to minimize or eliminate visible fugitive emissions from the rotary drum.

b. All on-spec used oil burned in this emissions unit shall meet the following specifications:

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

c. On-spec 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 on-spec used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 Part CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Hazardous Waste Management that the on-spec used oil does not contain any hazardous waste.

d. All fuel oil burned in this emissions unit shall have a sulfur content equal to or less than 0.5%

e. The permittee shall conduct burner performance tuning for purposes of minimizing emissions. Burner performance tuning shall contain at a minimum the evaluation of and adjustment to manufacturer's specifications of the following:

i. Fuel flow to the burner (for fuel oil and on spec used oil);

ii. Differential pressure of the baghouse to ensure proper air flow through the plant;

iii. Flue gas analysis (of gases present in the drum and or stack) for CO, O_2, CO_2, and NO_x;

iv. Fuel pressure; and

v. For burners that require compressed air for proper operation, correct pressure at the burner.

f. The hourly emissions limitations established in this permit through BAT are based upon emissions testing conducted June 18, 2002.

c) Operational Restrictions

(1) The pressure drop across the fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation.

(2) The permittee may not receive or burn any on-spec used oil which does not meet the specifications listed in b)(2)b of this permit without first obtaining a permit to install that authorizes the burning of such off-specification used oil. The burning of off-specification used oil is subject to OAC rule 3745-279-60 through 67.

(3) The maximum asphalt production for this emissions unit shall not exceed 525,000 tons, based upon a rolling, 12-month summation of the asphalt production. The company has existing records for the current operational location such that the applicant does not need to be restricted to first year monthly tons of asphalt production.

(4) The permittee shall conduct an initial burner tuning within 30 production days after commencement of the production season. The permittee shall conduct another burner tuning within the time period of 90 to 120 production days after the initial burner tuning. This burner tuning shall be performed for each type of fuel the permittee expects to employ between the day of burner tuning and the end of the construction season. For purposes of this permit, the production season is defined as the time period between the date the first ton of asphalt is produced and the date that the last ton of asphalt is produced during the same calendar year.

(5) In addition to the burner tuning required above, the permittee shall conduct additional burner tuning, within 30 production days , for each type of fuel burned during the production season that is different than the fuel(s) burned during the initial burner tuning or the burner tuning described above that occurs 90 to 120 production days after the initial burner tuning.

(6) The exit of the stack serving this emissions unit shall be a minimum of 35 feet above ground.

(7) The permittee may substitute reclaimed asphalt pavement (RAP) in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall receive a chemical analysis with each shipment of on-spec 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 on-spec used oil received;

c. the Btu value of the on-spec used oil;

d. the flash point of the on-spec 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 Ohio EPA, Central District Office 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.

(2) The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the fabric filter on daily basis.

(3) The permittee shall maintain monthly records of the following information

a. the asphalt production, in tons, for each month;

b. the rolling, 12-month summation of the asphalt production, in tons; and

c. the type and amount (gallons or cubic feet) of fuel burned.

d. the maximum percentage RAP used for any mix

For each shipment of fuel oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittees or oil supplier's analyses for sulfur content and heat content.

(4) The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper servicing this emissions unit. If visible particulate emissions are observed, the permittee shall note the following in the operation log:

a. the color of the visible particulate emissions;

b. the cause of the visible particulate emissions;

c. the total duration of the visible particulate emission incident; and

d. corrective actions taken to eliminate the visible particulate emissions.

The permittee may, upon receipt of written approval from the Ohio EPA, Central District Office, modify the above-mentioned visible particulate emissions check frequency if operating experience indicates that less frequent checks would be sufficient to ensure compliance with the visible particulate emissions requirements.

(5) The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any abnormal visible particulate emissions from the stack, aggregate storage bins and cold aggregate elevator/conveyor serving this emissions unit. If abnormal visible emissions are observed, the permittee shall note the following in the operation log:

a. the color of the abnormal visible particulate emissions;

b. the cause of the abnormal visible particulate emissions;

c. the total duration of any abnormal visible particulate emissions incident; and

d. any corrective actions taken to eliminate the abnormal visible particulate emissions.

The permittee may, upon receipt of written approval from the Ohio EPA , Central District Office modify the above-mentioned visible particulate emissions check frequency if operating experience indicates that less frequent checks would be sufficient to ensure compliance with the visible particulate emissions requirements.

(6) The permittee shall properly operate and maintain portable devices to monitor the concentration of NO_x, CO, O_2, and CO_2 present in the flue gases generated within the

drum and/or stack during the burner performance tuning. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall maintain records of each portable monitoring device's calibration

(7) While performing the required burner tuning, the permittee shall record the following information:

a. date of the burner tuning;

b. results of the evaluation of the operating parameters listed above in b)(2)e.;

c. detail list of adjustments and/or repairs made to bring the operating parameters into conformance with the manufacturer's specifications; and

d. type of fuel(s) employed during the burner tuning.

(8) The permit to install for this emissions unit (P901) was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Heptane

TLV (ug/m3): 1,640

Maximum Hourly Emission Rate (lbs/hr): 3.29

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 10.54

MAGLC (ug/m3): 39,048

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled

"American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

(9) The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

e) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify:

a. all deviations of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the Potential to Emit (PTE) of any regulated air pollutant and have been detected by the monitoring, recordkeeping and/or testing requirements in this permit:

i. all exceedances of the rolling, 12-month asphalt production limitation;

ii. all exceedances of the rolling, 12-month total PE, SO_2, NO_x, VOC and CO emission limitations; and

iii. all exceedances of the fuel sulfur content limitations, 0.5%, as listed in b)(2)d.

b. the probable cause of each deviation (excursion);

c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and

d. the magnitude and duration of each deviations (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

(2) The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling 12-month asphalt production limitation. These reports are due by the date described in Part A Standard Terms and Conditions of this permit.

(3) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

(4) The permittee shall notify the USEPA and the Ohio EPA if any of the on-spec used oil exceeds the on-spec used oil specifications found in OAC rule 3745-279-11. If the permittee is burning on-spec 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. The required notification shall be submitted within 30 days of the date in which the exceedance occurred.

(5) The permittee shall submit burner tuning reports to the Ohio EPA, Central District Office (CDO) that summarize the results of each burner tuning. These reports are due within 30 days of the date that the burner tuning was performed.

f) Testing Requirements

(1) Compliance with the emission limitations specified in Section b)1 of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emissions Limitations:</u>
PE shall not exceed 0.04 gr/dscf; CO emissions from burning number 2 fuel or on-spec used oil shall not exceed 116.3 lbs/hr; CO emissions from burning natural gas shall not exceed 45.5 lbs/hr; NO_x emissions from burning number 2 fuel or on-spec used oil shall not exceed 7.1 lbs/hr; NO_x emissions from burning natural gas 9.1 lbs/hr; SO_2 emissions from burning number 2 fuel or on-spec used oil shall not exceed 27.0 lbs/hr; SO_2 emissions from burning natural gas shall not exceed 1.2 lbs/hr; VOC emissions shall not exceed 28.2 lbs/hr when

burning number 2 fuel or on-spec used oil; and VOC emissions shall not exceed 15.4 lbs/hr when burning natural gas;

Applicable Compliance Method:
The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

i. The emission testing shall be conducted within 3 months after issuance of the permit and within 6 months prior to permit renewal.

ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for PE, CO, NO_x, SO_2, and VOC in the appropriate averaging period(s).

iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

For PE, Methods 1-5 of 40 CFR Part 60, Appendix A

For CO, Methods 1-4 and 10 of 40 CFR Part 60, Appendix A

For NO_x, Methods 1-4 and 7 or 7E of 40 CFR Part 60, Appendix A

For SO_2, Methods 1-4 and 6 or 6C of 40 CFR Part 60, Appendix A

For VOC, Methods 1-4 and 18 and/or 25 of 40 CFR Part 60, Appendix A

The VOC pounds per hour emission rate observed during the emissions test shall be calculated in accordance with OAC rule 3745-21-10(C)(7) where the average molecular weight of the VOC emissions equals 16 i.e., the VOC as carbon emission rate observed during testing shall be converted to the appropriate units by multiplying the VOC as carbon emission rate observed during testing by 16 and dividing by 12.

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

iv. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity and burning number 2 fuel oil or on spec used oil for PE, CO, NO_x, SO_2, and VOC employing RAP to verify VOC emissions, unless otherwise specified or approved by the Ohio EPA, CDO.

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

Personnel from the Ohio EPA, CDO 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 emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, CDO 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 Ohio EPA, CDO.

b. Emissions Limitation:
PE emissions shall not exceed 8.7 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be based upon the results of the most recent emissions testing and the records required by term and condition d)(3) above.

c. Emission Limitation:
CO emissions shall not exceed 87.2 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be based upon the results of the most recent emissions testing and the records required by term and condition d)(3) above.

d. Emission Limitation:
VOC emissions shall not exceed 21.2 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be based upon the results of the most recent emissions testing and the records required by term and condition d)(3) above.

e. Emission Limitation:
SO_2 emissions shall not exceed 20.3 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be based upon the results of the most recent emissions testing and the records required by term and condition d)(3) above.

f. Emission Limitation:
NO_x emissions shall not exceed 6.8 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be based upon the results of the most recent emissions testing and the records required by term and condition d)(3) above.

g. Emission Limitations:
Arsenic, cadmium, chromium and lead emissions are limited by the fuel specifications in b)(2)b.

Applicable Compliance Method:
Compliance with the emissions limitation for arsenic, cadmium and lead shall be demonstrated by the monitoring and recordkeeping in Section d)(1) of this permit.

h. Emission Limitation:
Visible particulate emissions from the stack shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:
Compliance shall be determined using Method 9 as set forth in 40 CFR Part 60 Appendix A, 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.

i. Emission Limitation:
No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper.

Applicable Compliance Method:
Compliance with the limitations on visible emissions of fugitive dust found in Section b)(1) of this permit shall be demonstrated by the monitoring and recordkeeping in Section d)(4).

j. Emission Limitation:
Visible emissions of fugitive dust (from areas other than the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper) shall be less than or equal to 10% opacity, as a 3-minute average.

Applicable Compliance Method:
Compliance shall be determined 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.

k. Emissions Limitation:
PM-10 emissions from the stack shall not exceed 8.7 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be assumed as long as compliance is maintained with the rolling 12-month emissions limitation for particulate emissions.

l. Emissions Limitation:
Fugitive PM-10 emissions shall not exceed 1.45 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be assumed based upon the following worst case calculations:

Total fugitive emissions equal the summation of the fugitives from the cold end and the hot end of the plant operations.

Fugitive emissions from the cold end are calculated as follows

((525,000 tons of material/year X 0.0024 lb PM-10/ton of material) + (315,000 tons of aggregate/year X 0.0033 lb PM-10/ton of aggregate) + (210,000 tons of sand/year X 0.00099 lb PM-10/ton of sand)) X (1 ton/2000 pounds) = 1.26 tons of PM-10

Fugitive emissions from the hot end are calculated as follows

(525,000 tons of asphalt produced X 0.0003 lb of PM-10/ton of asphalt produced) X (1 ton/2000 pounds) = 0.08 tons of PM-10.

Total fugitive emissions are therefore 1.45 tons.

The emission factors in the above equations are derived from AP-42, Fifth edition, Table 11.12-2(10/01) and from AP-42, Fifth edition, 11.1.2.5(12/00)

m. Emissions Limitation:
Fugitive PE emissions shall not exceed 2.97 tons per rolling 12-month period.

Applicable Compliance Method:
Compliance with the annual emissions limitation shall be assumed based upon the following worst case calculations:

Total fugitive emissions equal the summation of the fugitives from the cold end and the hot end of the plant operations.

Fugitive emissions from the cold end are calculated as follows

((525,000 tons of material/year X 0.0051 lb PM/ton of material) + (315,000 tons of aggregate/year X 0.0069lb PM/ton of aggregate) + (210,000 tons of sand/year X 0.0021 lb PM/ton of sand)) X (1 ton/2000 pounds) = 2.88 tons of PM

Fugitive emissions from the hot end are calculated as follows

(525,000 tons of asphalt produced X 0.0003 lb of PM/ton of asphalt produced) X (1 ton/2000 pounds) = 0.09 tons of PM.

Total fugitive emissions are therefore 2.97 tons.

The emission factors in the above equations are derived from AP-42, Fifth edition, Table 11.12-2(10/01) and from AP-42, Fifth edition, 11.1.2.5(12/00)

n. Emission Limitations:
Emissions of fugitive PM-10 shall not exceed 1.89 pounds per hour when burning on-spec oil, number 2 fuel oil, or natural gas.

Applicable Compliance Method:
Compliance with this emissions limitation shall be assumed as long as compliance is maintained with the rolling 12-month operational restriction.

o. Emission Limitations:
Emissions of fugitive PM shall not exceed 3.89 pounds per hour when burning on-spec oil, number 2 fuel oil, or natural gas.

Applicable Compliance Method:
Compliance with this emissions limitation shall be assumed as long as compliance is maintained with the rolling 12-month operational restriction.

g) Miscellaneous Requirements

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

Source Number	Source Description (Subpart)	NSPS Regulation
P901	350 tph asphalt batch plant	Subpart 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 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. Actual start-up date (within 15 days after such date); and

c. Date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC- Air Quality Modeling and Planning
P.O. Box 1049
Columbus, OH 43216-1049

and

Ohio EPA, Central District Office
Division of Air Pollution Control
50 West Town Street, 6th Floor
Columbus, OH 43216-1049

The terms and conditions of this PTI are federally enforceable.