



1/13/2014

Certified Mail

SCOTT OSTER
 Canton Asphalt Company
 5947 WHIPPLE AVE SW
 Canton, OH 44720

| | |
|-----|------------------------------------|
| No | TOXIC REVIEW |
| No | SYNTHETIC MINOR TO AVOID MAJOR NSR |
| No | CEMS |
| No | MACT/GACT |
| Yes | NSPS |
| No | NESHAPS |
| No | NETTING |
| No | MODELING SUBMITTED |
| Yes | SYNTHETIC MINOR TO AVOID TITLE V |
| Yes | FEDERALLY ENFORCABLE PTIO (FEPTIO) |
| No | SYNTHETIC MINOR TO AVOID MAJOR GHG |

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
 Facility ID: 0679005005
 Permit Number: P0113715
 Permit Type: Renewal
 County: Tuscarawas

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) 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. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO 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 Josh Mandel," 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
 77 South High Street, 17th Floor
 Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-SEDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Canton Asphalt Company**

| | |
|----------------|------------|
| Facility ID: | 0679005005 |
| Permit Number: | P0113715 |
| Permit Type: | Renewal |
| Issued: | 1/13/2014 |
| Effective: | 1/13/2014 |
| Expiration: | 11/18/2018 |



Division of Air Pollution Control
Permit-to-Install and Operate
for
Canton Asphalt Company

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Final Permit-to-Install and Operate
Canton Asphalt Company
Permit Number: P0113715
Facility ID: 0679005005
Effective Date: 1/13/2014

Authorization

Facility ID: 0679005005
Application Number(s): A0045376
Permit Number: P0113715
Permit Description: FEPTIO renewal permit for a 250 tons per hour drum mix asphalt plant
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 1/13/2014
Effective Date: 1/13/2014
Expiration Date: 11/18/2018
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Canton Asphalt Company
3467 Dover Zoar Rd.
Bolivar, OH 44612

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

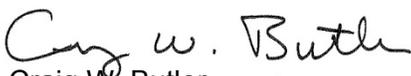
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

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


Craig W. Butler
Interim Director



Final Permit-to-Install and Operate

Canton Asphalt Company

Permit Number: P0113715

Facility ID: 0679005005

Effective Date: 1/13/2014

Authorization (continued)

Permit Number: P0113715

Permit Description: FEPTIO renewal permit for a 250 tons per hour drum mix asphalt plant

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

| | |
|-----------------------------------|------------------------|
| Emissions Unit ID: | P902 |
| Company Equipment ID: | Drum mix asphalt plant |
| Superseded Permit Number: | 06-07733 |
| General Permit Category and Type: | Not Applicable |



Final Permit-to-Install and Operate
Canton Asphalt Company
Permit Number: P0113715
Facility ID: 0679005005
Effective Date: 1/13/2014

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. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. 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 of this permit 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 [DO/LAA] 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 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 emission 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 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.



Final Permit-to-Install and Operate
Canton Asphalt Company
Permit Number: P0113715
Facility ID: 0679005005
Effective Date: 1/13/2014

B. Facility-Wide Terms and Conditions



Final Permit-to-Install and Operate

Canton Asphalt Company

Permit Number: P0113715

Facility ID: 0679005005

Effective Date: 1/13/2014

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.
2. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subpart I: P902. The complete NSPS requirements may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the appropriate Ohio EPA District Office or local air agency.



Final Permit-to-Install and Operate
Canton Asphalt Company
Permit Number: P0113715
Facility ID: 0679005005
Effective Date: 1/13/2014

C. Emissions Unit Terms and Conditions



1. P902, Asphalt Plant

Operations, Property and/or Equipment Description:

250 ton/hour drum mix asphalt plant with an annual production limit of 500,000 tons/year (TPY); can burn #2 oil, used oil, and natural gas; controlled by a baghouse with a 99% control efficiency; and with aggregate storage bins and aggregate elevator.

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. g)(2).

(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. b)(1)b., b)(2)a., b)(2)d., c)(1), d)(3), e)(5), f)(1)b.-f.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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), as established in PTI 06-07733 issued 12/19/2003 | Particulate emissions (PE) from the baghouse stack serving this emissions unit shall not exceed 0.03 grains/dscf of exhaust gases. Carbon monoxide (CO) emissions from the stack shall not exceed 32.5 lb/hr. Nitrogen oxide (NO _x) emissions from the stack shall not exceed 13.8 lb/hr. Sulfur dioxide (SO ₂) emissions from the stack shall not exceed 14.5 lb/hr. Volatile organic compounds (VOC) emissions from the stack shall not exceed 16.5 lb/hr. |



| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|----|--|---|
| | | <p>Visible PE from the baghouse stack serving this emissions unit shall be less than or equal to 20 % opacity, as 3-minute average.</p> <p>Visible PE of fugitive dust from aggregate storage bins and cold aggregate elevator shall be less than or equal to 10% opacity, as a 3-minute average.</p> <p>The drop height of the front end loader bucket shall be decreased to the extent possible in order to minimize or eliminate visible PE of fugitive dust from the elevator loading area.</p> <p>The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize or eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer.</p> |
| b. | OAC rule 3745-31-05 (D) (Synthetic minor to avoid Title V permitting) | <p>Total PE shall not exceed 10.4 tons based on a rolling, 12-month summation.</p> <p>CO emissions shall not exceed 33.1 tons based on a rolling, 12-month summation.</p> <p>NO_x emissions shall not exceed 13.8 tons based on a rolling, 12-month summation.</p> <p>SO₂ emissions shall not exceed 14.5 tons based on a rolling, 12-month summation.</p> <p>VOC emissions shall not exceed 20.5 TPY based on a rolling, 12-month summation.</p> |
| c. | <p>40 CFR Part 60, Subpart I</p> <p>[In accordance with 40 CFR Part 60.90, this emissions unit is a hot mix asphalt facility that has commenced construction or modification after June 11, 1973, and is subject to emissions limitations/control measures</p> | <p>The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant OAC 3745-31-05(A)(3).</p> |



| | Applicable Rules/Requirements specified in this section.} | Applicable Emissions Limitations/Control Measures |
|----|--|--|
| d. | OAC rule 3745-17-07(A) | The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant OAC 3745-31-05(A)(3). |
| g. | OAC rule 3745-17-11(A) | The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant OAC 3745-31-05(A)(3). |
| h. | OAC rule 3745-18-06(E) | The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant OAC 3745-31-05(A)(3). |

(2) Additional Terms and Conditions

- a. The emissions from this emissions unit shall be vented to the baghouse at all times the emissions unit is in operation.
- b. Each shipment of oil burned in this emissions unit shall be “on-specification” (on-spec) oil and shall meet the used oil specifications contained in OAC rule 3745-279-11. The permittee shall determine that the used fuel oil meets these specifications by performing analyses or obtaining copies of analyses or other information from the supplier documenting that the used fuel oil does not exceed (except for flash point which shall not fall below) the following limitations:

Property/Contaminant Allowable Specifications

| | |
|----------------|---|
| arsenic | 5 ppm, maximum |
| cadmium | 2 ppm, maximum |
| chromium | 10 ppm, maximum |
| lead | 100 ppm, maximum |
| total halogens | less than 1,000 ppm; or 4,000 ppm maximum if the presumption that the used oil contains hazardous waste is rebutted, as described below |
| flash point | 100°F, minimum |

The used oil burned in this emissions unit shall contain less than the quantifiable levels of PCBs as defined in 40 CFR 761.3, and also shall not exceed the following mercury limitation nor fall below the following heating value:



Final Permit-to-Install and Operate

Canton Asphalt Company

Permit Number: P0113715

Facility ID: 0679005005

Effective Date: 1/13/2014

| | |
|--------------|-----------------------------|
| PCBs | less than 2 ppm |
| heat content | 135,000 Btu/gallon, minimum |
| mercury | 1 ppm, maximum |

Used oil containing 1,000 ppm or greater total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under paragraph (B)(1) of rule 3745-279-10 of the Administrative Code. The permittee may receive and burn used oil equaling or exceeding 1,000 ppm total halogens, but less than 4,000 ppm, only if the permittee has successfully demonstrated, pursuant to OAC rule 3745-279-63, that the used oil does not contain a listed hazardous waste, by either acquiring and maintaining source process information which demonstrates that the used oil was contaminated by halogenated constituents that would not be listed hazardous waste or by demonstrating that the used oil does not contain significant concentrations of halogens by acquiring and maintaining representative analytical data. Acceptable analytical test protocols that can be used to analyze used oil for halogenated hazardous constituents include SW-846 Test Methods 9075, 9076, and 9077.*

If analytical results demonstrate that used oil containing 1,000 ppm or more total halogens, but less than 4,000 total halogens, does not contain greater than 100 ppm of any individual halogenated hazardous constituent found in the F001 and F002 listings in OAC rule 3745-51-31 and there is no information suggesting that any other halogenated hazardous constituent (e.g., chlorinated pesticides) has come in contact with the oil, then the presumption that the oil contains hazardous waste has been successfully rebutted.** The rebuttable presumption does not apply to either metal working oils/fluids containing chlorinated paraffins, if processed through a tolling arrangement as described in OAC rule 3745-279-24(C), or used oils contaminated with chlorofluorocarbons removed from refrigeration units.

The burning of used oil not meeting the above limitations is prohibited in this emissions unit and the fuel oil analyses shall document compliance with each limitation before it is burned. The management and burning of used oil is subject to the Standards for the Management of Used Oil, OAC Chapter 3745-279, and the permittee shall document and assure that used oils burned in this emissions unit meet all of the applicable requirements of this Chapter. If the used oil analyses shows total halogens of 1,000 ppm or greater, the permittee shall obtain and maintain all the necessary records to successfully rebut the presumption that the used oil contains or has been mixed with a listed hazardous waste in accordance with this permit.

*EPA publication SW-846, 3rd (or most current) edition, is available from the Government Printing Office, P.O. Box 371954, Pittsburgh, PA 15250-7954; 202/512-1800, document number 955-001-00000-1.

**DHWM policy documented in "Used Oil Burners - New Guidance for Rebuttable Presumption", published April 2008 or most current policy.



- c. The FEPTIO for this emissions unit was evaluated based on information contained in the PTIO application A0045376 submitted on October 24, 2012. Prior to any physical change or change in method of operation (i.e. employing additional raw materials, change in fuel type, etc.) associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-3331-01(QQQ). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final PTIO modification prior to performing such change.
- d. The permittee shall only burn low sulfur fuels, containing less than 0.5% sulfur by weight for this emissions unit.

c) Operational Restrictions

- (1) The permittee has requested a federally enforceable limitation on asphalt produced in order to restrict the federally enforceable potential to emit. The total amount of asphalt produced using any fuel is limited to 500,000 tons per rolling, 12-month period.
- (2) The permittee may not receive or burn any used oil which does not meet the standards in OAC rule 3745-279-11 and the specifications listed in this permit without first obtaining a permit-to-install or permit-to-install and operate that authorizes the burning of off-specification used oil. The burning of off-specification used oil, subject to OAC rule 3745-279-60 through 67, is prohibited as a fuel in this emissions unit.
- (3) The permittee shall only burn natural gas, number 2 fuel oil, and/or on-spec used oil in this emissions unit. In order to use a fuel on an ongoing basis, the permittee shall complete the emissions testing for the fuel per paragraph f)(2).
- (4) The permittee may substitute reclaimed asphalt pavement (RAP) in the raw material feed mix in amounts not to exceed 20% of each asphalt mix produced.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall properly install, operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse when the controlled emissions unit(s) is/are in operation, including periods of startup and shutdown. The permittee shall record the pressure drop across the baghouse on a once per day basis. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s), with any modifications deemed necessary by the permittee. Whenever the monitored value for the pressure drop deviates from the limit or range established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:
 - a. the date and time the deviation began;
 - b. the magnitude of the deviation at that time;



- c. the date the investigation was conducted;
- d. the name(s) of the personnel who conducted the investigation; and
- e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

- f. a description of the corrective action;
- g. the date corrective action was completed;
- h. the date and time the deviation ended;
- i. the total period of time (in minutes) during which there was a deviation;
- j. the pressure drop readings immediately after the corrective action was implemented; and
- k. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the baghouse is 1 to 8 inches of water.

This range or limit on the pressure drop across the baghouse is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted limit or range for the pressure drop based upon information obtained during future testing that demonstrate compliance with the allowable particulate emission rate for the controlled emissions unit(s). In addition, approved revisions to the range or limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of an administrative modification.

- (2) The permittee shall receive and maintain the chemical analyses from the supplier/marketer for each shipment of used oil burned in this emissions unit (or if the oil is generated on site, the permittee shall conduct the chemical analyses), which shall contain the following information:
 - a. the date the used oil was received at the facility and the amount received;
 - b. the name, address, and U.S. EPA identification number (if applicable) of the generator, transporter, processor/refiner, supplier, and/or marketer;



- c. the results of the following chemical analyses, demonstrating that the used oil meets the standards in OAC rule 3745-279-11:
 - i. arsenic content, in ppm;
 - ii. the cadmium content, in ppm;
 - iii. the chromium content, in ppm;
 - iv. the lead content, in ppm;
 - v. total halogens, in ppm; and
 - vi. the flash point;
- d. where the chemical analysis shows a total halogen content between 1,000 ppm, and below 4,000 ppm, the successful demonstration for the rebuttal of the presumption that the used oil contains or has been mixed with a listed hazardous waste, as described in OAC rule 3745-279-63(C); and
- e. the results of the analyses demonstrating that the used oil meets the heating value and the mercury and PCB limitations contained in this permit.

Each analysis shall be kept in a readily accessible location for a period of not less than 5 years* following the receipt of each shipment of used oil and shall be made available to the Ohio EPA Division of Materials and Waste Management and/or the Division of Air Pollution Control (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request. Any authorized representative of the Ohio EPA may sample or require sampling of any used oil shipments received, stored, or burned by/at this facility for periodic detailed chemical analyses through an independent laboratory.

*The Division of Air Pollution Control requires these records to be maintained for 5 years.

- (3) The permittee shall maintain monthly records of the following information for P902:
 - a. The asphalt production, in tons;
 - b. The total asphalt produced, in tons, for each fuel type for each month;
 - c. The rolling, 12-month summation of the total aggregate throughput, in tons, per rolling 12-month period;
 - d. The rolling, 12-month summation of the total sand throughput, in tons, per rolling 12-month period;
 - e. The rolling, 12-month summation of total asphalt production and the asphalt produced by fuel types, calculated by adding the current month's asphalt production to the asphalt production for the preceding eleven calendar months;
 - f. The rolling, 12-month summation of CO, NO_x, SO₂, VOC, and PE emissions by fuel type;



- g. The total rolling, 12-month summation of CO, NO_x, SO₂, VOC, and PE emissions; and
 - h. The amount of RAP, in percentage, applied in each mix type.
- (4) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack and for any visible emissions of fugitive dust from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
- a. the location and color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emissions incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the District Office or Local Air Agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid



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electronic signature. Signature by the signatory authority may be represented as provided through procedures established in Air Services.

- (2) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be submitted 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.
- (3) Where the analytical results for any shipment of used oil burned in this emissions unit establish that the used oil contains total halogens greater than 1,000 ppm, but less than 4,000 ppm, the results of the analysis for total halogens (from the appropriate test Method 9075, 9076, or 9077) and the information obtained to rebut the presumption that the used oil contains or has been mixed with a listed hazardous waste shall be submitted to the appropriate District Office or local air agency. Each rebuttal demonstration shall include:
 - a. the date the used oil was received;
 - b. the facility location or identification number where the oil was or will be burned;
 - c. the amount of oil in the shipment; and
 - d. all information, including all the analytical results, relied upon by the permittee to rebut the presumption that the used oil contains or has been mixed with a listed hazardous waste.

The rebuttal demonstrations for used oil received from October to December shall be submitted by January 31; used oil received from January to March, by April 30; used oil received from April to June, by July 31; and used oil received from July to September, by October 31.

- (4) The permittee shall identify in a quarterly deviation report the following information concerning the quality of used oil burned in this emissions unit:
 - a. any exceedance of the used oil standards in OAC rule 3745-279-11;
 - b. any occasion where used oil containing 1,000 ppm or more total halogens was burned prior to receiving information demonstrating a successful rebuttal of the presumption that the used oil contains or has been mixed with a listed hazardous waste;
 - c. any exceedance of the limitations for mercury and/or PCBs; and
 - d. any deviation from the minimum heat content of 135,000 Btu/gallon.

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).



- (5) The permittee shall submit quarterly deviation (excursion) reports that identify;
 - a. All deviations (excursions) 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 CO, NO_x, SO₂, VOC and PE emission limitations;
 - iii. All exceedances of the lb/hr emission limitations for CO, NO_x, SO₂, VOC, and PE found in b)(2)a.i. – b)(2)a.x.;
 - iv. All exceedances of the sulfur content limitations; 0.5%;
 - v. Each period of time (start time and date, and end time and date) when the pressure drop across the baghouse was outside the acceptable range; and
 - vi. any period of time (start time and date, and end time and date) when the emissions unit was in operation and the process emissions were not vented to a baghouse.
 - 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 deviation (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 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).

- (6) The permittee shall comply with all applicable reporting requirements under 40 CFR Part 60, Subpart I, including the following sections:

| | |
|------------|---|
| 60.7(a)(1) | Construction date (no later than 30 days after such date) |
| 60.7(a)(3) | Actual start-up date (within 15 days after such date) |



| | |
|------------|---|
| 60.7(a)(4) | Increase in emissions rate (no later than 60 days before change is commenced) |
| 60.7(a)(6) | Date of performance testing (no later than 30 days prior to testing) |

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations:

PE from the baghouse stack serving this emissions unit shall not exceed 0.03 grains/dscf of exhaust gasesp;

CO emissions from the stack shall not exceed 32.5 lb/hr;

NO_x emissions from the stack shall not exceed 13.8 lb/hr;

SO₂ emissions from the stack shall not exceed 14.5 lb/hr; and

Volatile organic compounds (VOC) emissions from the stack shall not exceed 16.5 lb/hr.

Applicable Compliance Method:

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

i. Emissions testing shall be conducted within 120 days after the issuance of this permit or after beginning operation after the issuance of this permit, whichever date is later, and within 6 months prior to permit expiration. Emissions testing for secondary fuels shall be conducted within 60 days after the switch to the secondary fuel. Emissions testing shall be necessary for each fuel type switch only once per permitting cycle. For the purpose of this permit, secondary fuels shall only be used after the initial emissions test for this permit cycle.

ii. The emission testing shall be conducted to demonstrate compliance with the mass emissions limitations for PE, CO, and VOC, for the primary fuel. Prior to secondary fuel use emissions testing, the permittee shall consult the appropriate Ohio EPA District Office or local air agency to determine which pollutants should be tested.

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



- (a) PE, Methods 1-5 and 9 of 40 CFR Part 60, Appendix A.
 - (b) CO, Methods 1-4 and 10 of 40 CFR Part 60, Appendix A. Draft Permit-to-Install and Operate.
 - (c) NO_x, Methods 1-4 and 7 or 7E of CFR Part 60, Appendix A.
 - (d) SO₂ Methods 1-4 and 6 or 6C of 40 CFR Part 60, Appendix A.
 - (e) VOC, Methods 1-4 and 25 and/or 18 of 40 CFR Part 60, Appendix A.
- iv. The VOC pounds per ton of HMA produced emissions factor observed during the emissions test shall be calculated in accordance with OAC paragraph 3745-31-10(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.
 - v. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.
 - vi. The test(s) shall be conducted while this emissions unit is operating at or near its maximum capacity, and burning natural gas, #2 fuel oil or on-spec used oil for PE, VOC, CO, NO_x and SO₂ and employing RAP, to verify VOC emissions, unless otherwise specified or approved by the appropriate Ohio EPA District Office of local Air agency.
 - vii. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
 - viii. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
 - ix. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may



request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency

b. Emissions Limitation:

Total PE emissions shall not exceed 10.4 tons based on a rolling, 12-month summation.

Applicable Compliance Method:

$$[(E_{PE20})(R_{20}) + (E_{PEUO})(R_{UO}) + (E_{PEng})(R_{ng})] + [(PE_{SF}) + (PE_{LO}) + (PE_{CE})] / 2,000$$

Where

E_{PE20} = observed PE emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using #2 fuel oil

E_{PEUO} = observed PE emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using used oil

E_{PEng} = observed PE emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using natural gas

R_{20} = the actual rolling 12-month summation of asphalt produced with #2 fuel oil, in tons per rolling 12-month period (as derived from the records required in d)(3))

R_{UO} = the actual rolling 12-month summation of asphalt produced with used oil, in tons per rolling 12-month period (as derived from the records required in d)(3))

R_{ng} = the actual rolling 12-month summation of asphalt produced with natural gas, in tons per rolling 12-month period (as derived from the records required in d)(3))

$$PE_{SF} = EF_{PESF} * (R_{TOT})$$

$$PE_{LO} = EF_{PELO} * (R_{TOT})$$

$$PE_{CE} = (0.0048) * (R_{TOT}) + (0.0063) * (R_{AGG}) + (0.0021) * (R_{SAND})$$

and

$$EF_{PESF} = (0.000332) + (0.00105) ** C$$

$$EF_{PELO} = (0.000181) + (0.00141) ** C$$

$C = (-V) * e^{((0.0251)(T+460)-20.43)}$; V = default asphalt volatility factor = -0.5 and T = default HMA temperature = 325

[*Emission factors: AP-42, Table 11.12-2 (3/2004) and **Emission factors: AP-42, Table 11.1-14 (3/2004)]



R_{TOT} = the rolling, 12-month summation of the total asphalt production, in tons, per rolling 12-month period (as derived from the records required by d)(4)).

R_{AGG} = the rolling, 12-month summation of the total aggregate throughput, including slag, in tons, per rolling 12-month period (as derived from the records required by d)(3)).

R_{SAND} = the rolling 12-month summation of the total sand throughput, including slag, in tons, per rolling 12-month period (as derived from the records required by d)(3)).

c. Emissions Limitations:

CO emissions shall not exceed 33.1 tons on a rolling, 12 month summation.

Applicable Compliance Method:

$$[(E_{CO_{2o}})(R_{2o}) + (E_{CO_{uo}})(R_{uo}) + (E_{CO_{ng}})(R_{ng})] + [(CO_{SF}) + (CO_{LO})] / 2,000$$

Where:

$E_{CO_{2o}}$ = observed CO emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using #2 fuel oil

$E_{CO_{uo}}$ = observed CO emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using used oil

$E_{CO_{ng}}$ = observed CO emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using natural gas

R_{2o} = the actual rolling 12-month summation of asphalt produced with #2 fuel oil, in tons per rolling 12-month period (as derived from the records required in d)(3))

R_{uo} = the actual rolling 12-month summation of asphalt produced with used oil, in tons per rolling 12-month period (as derived from the records required in d)(3))

R_{ng} = the actual rolling 12-month summation of asphalt produced with liquid propane gas, in tons per rolling 12-month period (as derived from the records required in d)(3))

$$CO_{SF} = EF_{COSF} * (R_{TOT})$$

$$CO_{LO} = EF_{COLO} * (R_{TOT})$$

and

$$EF_{COSF} = (0.00488) * C$$

$$EF_{COLO} = (0.00558) * C$$



C = (-V)*e^((0.0251)(T+460)-20.43)); V = default asphalt volatility factor = -0.5 and T = default HMA temperature = 325

(Emission factor: AP-42, Tables 11.1-14 (032004))

d. Emissions Limitations:

NO_x emissions shall not exceed 13.8 tons based upon a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be determined by multiplying the observed emissions rate from the most recent emissions testing, in pounds of NO_x per ton of asphalt produced for each fuel, by the actual rolling 12-month summation of asphalt produced for each fuel, in tons per rolling 12-month period (as derived from the records required by d)(3)), summing the results for all fuels, and dividing by 2,000.

e. Emissions Limitations:

SO₂ emissions shall not exceed 14.5 tons based upon a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be determined by multiplying the observed emissions rate from the most recent emissions testing, in pounds of SO_x per ton of asphalt produced for each fuel, by the actual rolling 12-month summation of asphalt produced for each fuel, in tons per rolling 12-month period (as derived from the records required by d)(3)), summing the results for all fuels, and dividing by 2,000.

f. Emissions Limitations:

VOC emissions shall not exceed 20.5 TPY on a rolling, 12 month summation.

Applicable Compliance Method:

$$[(E_{VOC20})(R_{20}) + (E_{VOCu0})(R_{u0}) + (E_{VOCng})(R_{ng})] + [(VOC_{SF}) + (VOC_{LO})] / 2,000$$

Where

E_{VOC20} = observed VOC emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using #2 fuel oil

E_{VOCu0} = observed VOC emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using used oil

E_{VOCng} = observed VOC emission rate from the most recent emissions testing, in pound per ton of asphalt produced while using natural gas



R_{20} = the actual rolling 12-month summation of asphalt produced with #2 fuel oil, in tons per rolling 12-month period (as derived from the records required in d)(3))

R_{uo} = the actual rolling 12-month summation of asphalt produced with used oil, in tons per rolling 12-month period (as derived from the records required in d)(3))

R_{ng} = the actual rolling 12-month summation of asphalt produced with natural gas, in tons per rolling 12-month period (as derived from the records required in d)(3))

$$VOC_{SF} = EF_{VOC_{SF}} * (R_{TOT})$$

$$VOC_{LO} = EF_{VOC_{LO}} * (R_{TOT})$$

and

$$EF_{VOC_{SF}} = (0.0504) * C * (1 - 0.014)$$

$$EF_{VOC_{LO}} = (0.0172) * C * (1 - 0.073)$$

$C = (-V) * e^{((0.0251)(T+460)-20.43)}$; V = default asphalt volatility factor = -0.5 and T = default HMA temperature = 325

(Emission factors: AP-42, Tables 11.1-14 and 11.1-16 (03/2004))

g. Emissions Limitation:

Visible PE of fugitive dust from aggregate storage bins and cold aggregate elevator shall be less than or equal to 10% opacity, as a 3-minute average.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to USEPA Method 9.

h. Emissions Limitation:

Visible PE from the baghouse stack serving this emissions unit shall be less than or equal to 20% opacity, as a 3-minute average.

Applicable Compliance Method:

If required, visible particulate emissions shall be determined according to USEPA Method 9

- (2) The concentrations of contaminants (arsenic, barium, cadmium, chromium, lead, mercury, PCBs, and total halogens) in the used oil shall be analyzed using a "total constituent analysis" method, as specified in U.S. EPA publication SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods." The applicable test methods that should be used are as follows:



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Arsenic, barium, cadmium, chromium, and lead: SW-846, Method 3031 or 3051 (digestion procedures) followed by analysis using Method 6010B or 6020;
Mercury: SW-846, Method 7471A;

PCBs: SW-846, Method 8270C or 8082; and

Total halogens: SW-846, Method 9075, 9076, or 9077.

The permittee shall submit a written request and receive approval from Ohio EPA Division of Materials and Waste Management and/or the Division of Air Pollution Control, of Central Office, before an alternative test method, not listed above, can be used for the total constituent analysis of the above-mentioned used oil contaminants.

g) **Miscellaneous Requirements**

- (1) Modeling to demonstrate compliance with, the "Toxic Air Contaminant Statute", ORC 3704.03(F)(4)(b), was not necessary because the emissions unit's maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified FEPTIO 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 toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new FEPTIO