State of Ohio Environmental Protection Agency

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Columbus, Ohio 43215

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MAILING ADDRESS:
P.O. Box 1049
Columbus, OH 43216-1049

11/3/2009

Certified Mail

Yes	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
Yes	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

Benjamin House
Mt Pleasant Blacktopping Company
3199 Production Drive
Fairfield, OH 45014

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1409030042
Permit Number: P0105411
Permit Type: Renewal
County: Butler

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install and Operate for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit comments on the permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, Journal News. A copy of the public notice and the draft permit are enclosed. This permit has been posted to the Division of Air Pollution Control Web page http://www.epa.ohio.gov/dapc in Microsoft Word and Adobe Acrobat format. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
122 South Front Street
Columbus, Ohio 43215

and

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install and operate will be made after consideration of comments received and oral testimony if a public hearing is conducted. Any permit fee that will be due upon issuance of a final Permit-to-Install and Operate is indicated in the Authorization section. Please do not submit any payment now. If you have any questions, please contact Hamilton County Dept. of Environmental Services at (513)946-7777.

Sincerely,

Michael W. Ahern

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

Cc: U.S. EPA Region 5 *Via E-Mail Notification*
HCDOES; Indiana; Kentucky

Permit Strategy Write-Up

1. Check all that apply:

   _X_ Synthetic Minor Determination

   ___ Netting Determination

2. Source Description:
   Mt. Pleasant Blacktopping Company has two asphalt batch plants. This permitting action is for a 200 TPH asphalt plant.

3. Facility Emissions and Attainment Status:
   The facility is located in Butler County which is currently non-attainment for the 8-hour ozone standard (VOC), non-attainment for particulate matter 2.5 microns and less in diameter (PM2.5), and attainment for all other criteria pollutants. This permit limits CO emissions to less than major source thresholds.

4. Source Emissions:
   This FEPTIO limits annual asphalt production to 288,000 TPY for emissions unit P903. CO emissions are limited to 21.28 TPY for emissions unit P903.

5. Conclusion:
   This FEPTIO limits the potential emissions of CO to less than the major source threshold. The permittee will maintain records and submit report as outlined. The facility is a Synthetic Minor facility.

6. Please provide additional notes or comments as necessary:

   None

7. Total Permit Allowable Emissions Summary (for informational purposes only):

Pollutant	Tons Per Year
VOC	15.53
PE	2.67
PM10	2.67
SO_2	1.4
NO_X	10.3
CO	21.28

Butler County

PUBLIC NOTICE
Issuance of Draft Air Pollution Permit-To-Install and Operate
Mt Pleasant Blacktopping Company

Issue Date: 11/3/2009
Permit Number: P0105411
Permit Type: Renewal
Permit Description: Administrative Modification of PTI 14-05759 to increase allowable VOC emissions for Drum Mix Asphalt Plant.
Facility ID: 1409030042
Facility Location: Mt Pleasant Blacktopping Company
3199 Production Drive,
Fairfield, OH 45014
Facility Description: Asphalt Paving Mixture and Block Manufacturing

Chris Korleski, Director of the Ohio Environmental Protection Agency, 50 West Town Street, Columbus Ohio has issued a draft action of an air pollution control, federally enforceable permit-to-install and operate (PTIO) for the facility at the location identified above on the date indicated. Comments concerning this draft action, or a request for a public meeting, must be sent in writing no later than thirty (30) days from the date this notice is published. All comments, questions, requests for permit applications or other pertinent documentation, and correspondence concerning this action must be directed to Paul Tedtman at Hamilton County Dept. of Environmental Services, 250 William Howard Taft Pkwy. or (513)946-7777. The permit can be downloaded from the Web page: www.epa.ohio.gov/dapc

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

DRAFT

Air Pollution Permit-to-Install and Operate
for
Mt Pleasant Blacktopping Company

Facility ID: 1409030042
Permit Number: P0105411
Permit Type: Renewal
Issued: 11/3/2009
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
Mt Pleasant Blacktopping Company

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Authorization

Facility ID: 1409030042
Application Number(s): A0038242
Permit Number: P0105411
Permit Description: Administrative Modification of PTI 14-05759 to increase allowable VOC emissions for Drum Mix Asphalt Plant.
Permit Type: Renewal
Permit Fee: $0.00 *DO NOT send payment at this time - subject to change before final issuance*
Issue Date: 11/3/2009
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Permit Evaluation Report (PER) Annual Date: To be entered upon final issuance

This document constitutes issuance to:

Mt Pleasant Blacktopping Company
3199 Production Drive
Fairfield, OH 45014

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:

Hamilton County Dept. of Environmental Services
250 William Howard Taft Pkwy.
Cincinnati, OH 45219-2660
(513)946-7777

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: P0105411
Permit Description: Administrative Modification of PTI 14-05759 to increase allowable VOC emissions for 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:	**P903**
Company Equipment ID:	Drum Mix Asphalt Plant
Superseded Permit Number:	14-05759
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. 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 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 Hamilton County Dept. of Environmental Services 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.

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. P903, Drum Mix Asphalt Plant

Operations, Property and/or Equipment Description:

ASTEC Parallel Flow Drum Mix Asphalt Plant - Modification

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. d)(5).

(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)(2)b., c)(2), d)(3), e)(1), f)(1)d., and f)(2).

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)	When burning natural gas or No. 2 fuel oil in the drum dryer burner: Particulate emissions (PE) from the fabric filter stack shall not exceed 3.5 pounds per hour. The PE shall not exceed 0.04 grain particulate/dry standard cubic foot (dscf). Particulate matter emissions 10 microns and less in diameter (PM10) from the fabric filter stack shall not exceed 3.5 pounds per hour. Volatile organic compound (VOC) emissions shall not exceed 18.2 pounds per hour. Sulfur dioxide (SO_2) emissions from this emissions unit shall not exceed 2.0

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		pounds per hour. Nitrogen oxide (NO_X) emissions from this emissions unit shall not exceed 14.3 pounds per hour. Carbon Monoxide (CO) emissions from this emissions unit shall not exceed 29.0 pounds per hour. PE/PM10 from silo filling shall not exceed 0.12 pound per hour. VOC emissions from silo filling shall not exceed 2.52 pounds per hour. CO emissions from silo filling shall not exceed 0.24 pound per hour. PE/PM10 from plant load-out shall not exceed 0.11 pound per hour. VOC emissions from plant load-out shall not exceed 0.86 pound per hour. CO emissions from plant load-out shall not exceed 0.28 pound per hour. See b)(2)b., c)(1), c)(3), c)(4), and c)(6). The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(1), OAC rule 3745-17-08(B), OAC rule 3745-21-08(B), OAC rule 3745-23-06(B), and OAC rule 3745-31-05(D).
b.	OAC rule 3745-31-05(D) Synthetic Minor to avoid PSD, non-attainment review (for the 8-hour ozone standard and PM2.5), and Title V requirements.	Allowable emissions from the fabric filter stack, silo filling, and loadout combined, shall not exceed the following based on rolling, 12-month summations: PE shall not exceed 2.67 TPY. PM10 emissions shall not exceed 2.67 TPY. VOC emissions shall not exceed 15.53 TPY.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		SO_2 emissions shall not exceed 1.4 TPY. NO_x emissions shall not exceed 10.3 TPY. CO emissions shall not exceed 21.28 TPY. See c)(2).
c.	OAC rule 3745-17-07(A)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3)(BAT).
d.	OAC rule 3745-17-07(B)(1)	Visible particulate emissions of fugitive dust from any fugitive dust emissions point associated with emissions unit P903 shall not exceed 20 percent opacity, as a 3-minute average.
e.	OAC rule 3745-17-08(B)	See b)(2)c. and b)(2)d.
f.	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
g.	OAC rule 3745-18-06(E)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
h.	OAC rule 3745-21-08(B)	See b)(2)e.
i.	40 CFR Part 60 Subpart I	The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3). See b)(2)f.

(2) Additional Terms and Conditions

a. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the emission limitations, production limitations, use of a fabric filter and compliance with 40 CFR Part 60 Subpart I.

b. Visible particulate emissions from any stack associated with emissions unit P903 shall not exceed 10% percent opacity, as a six-minute average.

c. 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 cold feed bins and recycled material (RAP) bin.

d. The aggregate loaded into the cold feed bins and recycled material (RAP) bin shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer.

e. The permittee shall satisfy the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this Permit to Install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. This rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Until the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

f. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

c) Operational Restrictions

(1) To ensure the fabric filter is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, the pressure drop across the fabric filter shall be maintained within the range of 2.0 to 6.0 inches of water while the emissions unit is in operation.

(2) The maximum annual asphalt production rate for emissions unit P903 shall not exceed 288,000 tons per year based upon a rolling, 12-month summation of the production rate. The permittee has existing records to demonstrate compliance with the rolling, 12-month limitation upon issuance of this permit, therefore first year monthly production limitations are not necessary.

(3) The use of recycled asphalt product (RAP) shall be limited to 50 percent for surface, base, and intermediate mixes.

(4) The permittee may not receive or burn any #2 fuel oil which has a sulfur content greater than 0.50 percent.

(5) The permittee is allowed only to burn natural gas and #2 fuel oil in this emissions unit. If other fuels are to be burned in this emissions unit, then the permittee shall submit notification and a possible air permit-to-install application to be allowed to burn those other fuels to the Hamilton County Department of Environmental Services before burning those other fuels in this emissions unit.

(6) The maximum hourly asphalt production rate for this emissions unit shall not exceed 200 tons per hour, unless the permittee demonstrates, to the satisfaction of the Hamilton County Department of Environmental Services, compliance with the emission limitations in this permit by stack testing at a higher production rate. In such case, the maximum

hourly asphalt production rate for this emissions unit shall be the average rate of production during such stack test.

d) Monitoring and/or Recordkeeping Requirements

(1) 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 a once per shift basis.

(2) The permittee shall maintain hourly production records of the amount of asphalt produced by this emissions unit, in tons.

(3) The permittee shall maintain monthly records of the following information for emissions unit P903:

a. The monthly asphalt production, in tons;

b. the rolling, 12-month summation of asphalt production calculated by adding the current month's asphalt production to the asphalt production for the preceding eleven calendar months;

c. The maximum percentage RAP used in any mix; and

d. the updated rolling, 12-month summation emissions total, in tons, for NO_X, CO, VOC, PE/PM10, and SO_2 for this emissions unit (the total amount of emissions for the current month plus the total amount of emissions for the previous eleven calendar months) calculated using the most recent stack test data and AP-42 emission factors identified in f)(1) and the asphalt production, in tons, recorded pursuant to d)(3)b. above.

(4) For each shipment of #2 fuel oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

(5) The permit to install for this emissions unit P903 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) 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): 1,639,000
Maximum Hourly Emission Rate (lbs/hr): 1.88

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 30.43
MAGLC (ug/m3): 39,023

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 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 or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists’ (ACGIH’s) handbook entitled “TLVs and BEIs” (“Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices”);

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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a “modification” under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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”:

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

e. documentation of the evaluation and determination that the changed emissions unit still satisfies the “Air Toxic Policy”; and

f. 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) Reporting Requirements

(1) 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, record keeping and/or testing requirements in this permit:

all exceedances of the rolling, 12-month emission limitation for CO emissions specified in b)(2)b. and

all exceedances of the rolling, 12-month asphalt production restriction specified in c)(2).

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

a. Construction date (no later than 30 days after such date);

b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

c. Actual start-up date (within 15 days after such date); and

d. Date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Hamilton County Department of Environmental Services
250 William Howard Taft Road
Cincinnati, OH 45219

(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.

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following methods:

a. Emission Limitations (Drum Dryer – Fabric Filter Stack):

PE shall not exceed 3.5 pounds per hour;
PE shall not exceed 0.04 grains of particulate per dscf;
PM10 shall not exceed 3.5 pounds per hour;
VOC emissions shall not exceed 18.2 pounds per hour;
SO_2 emissions shall not exceed 2.0 pounds per hour;
NO_X emissions shall not exceed 14.3 pounds per hour; and
CO emissions shall not exceed 29.0 pounds per hour.

Applicable Compliance Methods:

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 60 days after achieving maximum production but no later than 180 days after issuance of this permit;

ii. The emission testing shall be conducted to demonstrate compliance with the allowable PE, CO, NO_X, SO_2, and VOC emissions rates;

iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for PE emissions, Method 5; for CO emissions, Method 10, for NO_x emissions, Method 7; for VOC emissions, Method 25; for SO_2 emissions, Method 6. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA or Hamilton County Department of Environmental Services; and

iv. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA or Hamilton County Department of Environmental Services.

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

Personnel from the Hamilton County Department of Environmental Services 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 Hamilton County Department of Environmental Services 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 Hamilton County Department of Environmental Services.

Compliance with the PM10 emission limitation shall be demonstrated by compliance with the PE limitation. If required, the permittee shall demonstrate compliance with the PM10 emissions limitation through emission tests performed in accordance with 40 CFR Part 51, Appendix M, Method 201.

b. Emission Limitations:

PE/PM10 from silo filling shall not exceed 0.12 pound per hour;
VOC emissions from silo filling shall not exceed 2.52 pounds per hour; and
CO emissions from silo filling shall not exceed 0.24 pound per hour.

Applicable Compliance Method:

Compliance with the silo filling emission limitations shall be demonstrated by applying the emission factors from AP-42, Fifth Edition, Table 11.1-14, 3/2004 in the following equations for each pollutant:

i. Actual asphalt production rate (tons asphalt/hr) x AP-42 emission factor (lb pollutant/ton asphalt) = lb pollutant/hr; and

ii. Actual asphalt production rate (tons asphalt/yr) x AP-42 emission factor (lb pollutant/ton asphalt) x 1 ton/2000 lbs = TPY pollutant

Where: PE emission factor is $0.000332 + 0.00105(-V)e^{((0.0251)(T+460)-20.43)}$
VOC emission factor is $0.0504(-V)e^{((0.0251)(T+460)-20.43)}$
CO emission factor is $0.00488(-V)e^{((0.0251)(T+460)-20.43)}$;

V = site-specific asphalt volatility (percent loss-on-heating) or default value of -0.5; and
T = site-specific asphalt mix temperature, °F or default value of 325 °F.

c. Emission Limitations:

PE/PM10 from plant load-out shall not exceed 0.11 pound per hour;
VOC emissions from plant load-out shall not exceed 0.86 pound per hour; and
CO emissions from plant load-out shall not exceed 0.28 pound per hour.

Applicable Compliance Method:

Compliance with the plant load-out emissions limitations shall be demonstrated by applying the emissions factors from AP-42, Fifth Edition, Table 11.1-14, 3/2004 in the following equations for each pollutant:

i. Actual asphalt production rate (tons asphalt/hr) x AP-42 emission factor (lb pollutant/ton asphalt) = lb pollutant/hr; and

ii. Actual asphalt production rate (tons asphalt/yr) x AP-42 emission factor (lb pollutant/ton asphalt) x 1 ton/2000 lbs = TPY pollutant

Where: PE emission factor is $0.000181 + 0.00141(-V)e^{((0.0251)(T+460)-20.43)}$
VOC emission factor is $0.0172(-V)e^{((0.0251)(T+460)-20.43)}$
CO emission factor is $0.00558(-V)e^{((0.0251)(T+460)-20.43)}$;

V = site-specific asphalt volatility (percent loss-on-heating) or default value of -0.5; and
T = site-specific asphalt mix temperature, °F or default value of 325 °F.

d. Emission Limitations:

Allowable emissions from this emissions unit (drum dryer, silo filling and load-out combined) shall not exceed the following based on rolling, 12-month summations:

PE shall not exceed 2.67 TPY;
PM10 emissions shall not exceed 2.67 TPY;
VOC emissions shall not exceed 15.53 TPY;
SO_2 emissions shall not exceed 1.4 TPY;
NO_X emissions shall not exceed 10.3 TPY; and
CO emissions shall not exceed 21.28 TPY.

Compliance with the rolling, 12-month annual emissions limitations shall be demonstrated by the record keeping requirements in d)(3) using the following equations:

actual asphalt production using any fuel type in the drum dryer burner (tons asphalt/year, rolling 12-month summation) x pollutant emission factor (lb pollutant/ton asphalt) x 1 tons/2000 lbs = TPY, rolling 12-month summation

Where: the pollutant emission factor is based on the most recent stack test for the pollutant (in lbs/hr) divided by the plant operating capacity (in tons/hour)

The plant load-out and silo filling PE, PM10, CO, and VOC emissions shall be added to the drum dryer burner emissions to determine compliance with the total rolling 12-month summation of pollutant emissions for the drum mix asphalt plant. The methods for determining these emissions using actual asphalt production and AP-42 emission factors is provided above in f)(1)b. and f)(1)c.

e. Emission Limitations:

Visible particulate emissions from any stack associated with emissions unit P903 shall not exceed 10% percent opacity, as a six-minute average.

Visible particulate emissions from any fugitive dust emissions point associated with emissions unit P903 shall not exceed 20% percent opacity, as a three-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.")

(2) Compliance with the asphalt production limitations in c)(2), c)(3), and c)(6) shall be demonstrated by the record keeping requirements in d)(2) and d)(3).

(3) Compliance with the sulfur content limitation in c)(4) shall be demonstrated by the record keeping requirements in d)(4).

g) Miscellaneous Requirements

(1) If probable cause exists indicating the source is causing or contributing to a nuisance in violation of Ohio Administrative Code rule 3745-15-07, the owner or operator of this emissions unit shall be required to submit and implement a control program which will bring this source into compliance.

(2) The terms and conditions of this federally enforceable permit to install and operate supersede the terms and conditions of permit to install 14-05759, as issued on January 25, 2007, for emissions unit P903.