Facility ID: 0664980014 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

Go to Part II for Emissions Unit F001
Go to Part II for Emissions Unit F002
Go to Part II for Emissions Unit P901

Facility ID: 0664980014 Emissions Unit ID: F001 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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

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

   (a) None.

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

   (a) None.

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

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F001 - Roadways and parking areas (paved and unpaved)	OAC rule 3745-31-05(A)(3) (PTI #16-02032)	5.43 tons/yr particulate emissions 5 MPH vehicle speed limit The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B). (Note, there are no visible emission limitations specified in the PTI that reflect BAT.) no visible particulate emissions except for 6 minutes during any 60-minute period from any paved roadway
Paved roadways and parking areas	OAC rule 3745-17-07(B)(4)	use of water and/or suitable dust suppressants to minimize or eliminate visible emissions of fugitive dust (see A.2.a. thru A.2.f.)
	OAC rule 3745-17-08(B), (B)(8), (B)(9)	no visible particulate emissions except for 13 minutes during any 60-minute period from any unpaved roadway
Unpaved roadways and parking areas	OAC rule 3745-17-07(B)(5)	use of water and/or suitable dust suppressants to minimize or eliminate visible emissions of fugitive dust (see A.2.a. thru A.2.f.)
	OAC rule 3745-17-08(B), (B)(2)	

2. **Additional Terms and Conditions**

   (a) The permittee shall employ best available control measures on all paved and unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved and unpaved roadways and parking areas with water or suitable dust suppressant at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other, equally effective control measures to ensure compliance.
   The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.

Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways.
The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
The permittee shall post and enforce a 5 MPH speed limit on all paved and unpaved parking areas and roadways.

B. **Operational Restrictions**

1. None

C. **Monitoring and/or Record Keeping Requirements**

1. Except as otherwise provided in this section, the permittee shall perform inspections of each of the paved and unpaved roadway segments and parking areas in accordance with the following frequencies:

   paved and unpaved roadways minimum inspection frequency

   All Daily

   paved and unpaved parking areas minimum inspection frequency

   All Daily

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

   c. the dates the control measures were implemented; and

   d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

      The information required in 4.d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. **Reporting Requirements**

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

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

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

E. **Testing Requirements**

1. Emission Limitations:
   no visible particulate emissions except for 13 minutes during any 60-minute period; and

   no visible particulate emissions except for 6 minutes during any 60-minute period

   Applicable Compliance Methods:
   Compliance with the visible emission limitation for the paved and unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

2. Emission Limitation:
   5.43 tons/yr PE

Applicable Compliance Method:
AP-42 emissions factors were used to develop the emissions limitation, and shall be used to demonstrate compliance.

F. **Miscellaneous Requirements**

1. None

Facility ID: 0664980014 Emissions Unit ID: F002 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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

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

(a) None.

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

(a) None.

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

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F002 - Material Storage Piles	OAC rule 3745-31-05(A)(3) (PTI #16-02032)	2.32 tons/yr particulate emissions (PE)
		no visible PE except for one minute during any 60-minute period
load-in and load-out of storage piles	OAC rule 3745-31-05(A)(3) (PTI #16-02032)	best available control measures sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a. thru A.2.f.)
		See A.2.g. below.
	OAC rule 3745-17-07(B)(6)	See A.2.g. below.
	OAC rule 3745-17-08(B), (B)(6)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B)(6).
wind erosion from storage piles	OAC rule 3745-31-05(A)(3) (PTI #16-02032)	best available control measures sufficient to minimize or eliminate visible emissions of fugitive dust (see A.2.a. thru A.2.f.)
		(Note, there is no visible emission limitation specified in the PTI that reflects BAT.)
		no visible particulate emissions from any storage pile except for a period of time not to exceed thirteen minutes minute in any 60-minute observation period
		See A.2.g. below.
	OAC rule 3745-17-07(B)(6)	
	OAC rule 3745-17-08(B), (B)(6)	

2. **Additional Terms and Conditions**

(a) The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-

05 are listed below:

All material storage piles
The permittee shall employ the best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in and load-out material(s) with water and/or any other suitable dust suppression chemicals to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other, equally effective control measures to ensure compliance.
The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat each storage pile with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other, equally effective control measures to ensure compliance.
The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.
The requirements specified in this rule are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. **Operational Restrictions**

1. None

C. **Monitoring and/or Record Keeping Requirements**

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

   storage pile identification minimum load-in inspection frequency

   All Daily

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

   storage pile identification minimum load-out inspection frequency

   All Daily

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

   storage pile identification minimum wind erosion inspection frequency

   All Daily

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

7. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

   c. the dates the control measures were implemented; and

   d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

      The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out

operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. **Reporting Requirements**

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:

a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

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

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

E. **Testing Requirements**

1. Emission Limitation:

no visible particulate emissions except for one minute during any 60-minute period; and

no visible particulate emissions except for 13 minutes during any 60-minute period

Applicable Compliance Method:
Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

2. Emission Limitation:
2.32 tons/yr PE

Applicable Compliance Method:
AP-42 emissions factors were used to develop the emissions limitation, and shall be used to demonstrate compliance.

F. **Miscellaneous Requirements**

1. None

Facility ID: 0664980014 Emissions Unit ID: P901 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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

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

(a) None.

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

(a) None.

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

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

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P901 - 300 TPH, portable, counter flow, drum mix asphalt plant controlled with an inertial separator and baghouse	OAC rule 3745-31-05(A)(3) (PTI 16-02032)	See A.2.c, A.2.d, A.2.k and A.2.l below. The requirements of this rule also include compliance with 40 CFR Part 60, Subpart I, OAC rule 3745-17-07 (B)(1), OAC rule 3745-17-08(B), OAC rule 3745-21-08 and OAC rule 3745-23-06. See A.2.a and A.2.b below.
	40 CFR Part 60, Subpart I	The visible emission limitations specified by this rule are less stringent than the visible emission limitation established pursuant to 40 CFR Part 60, Subpart I.

OAC rule 3745-17-07(A)(1)	See A.2.e below.
	See A.2.f below.
	See A.2.g below.
OAC rule 3745-17-11	See A.2.g below.
OAC rule 3745-18-06(E)	See A.2.g below.
OAC rule 3745-21-07(B)	See A.2.h below.
OAC rule 3745-21-08(B)	See A.2.i and A.2.j below.
OAC rule 3745-23-06(B)	
OAC rule 3745-17-07(B)(1)	
OAC rule 3745-17-08(B)	

2. **Additional Terms and Conditions**

(a) Particulate emissions shall not exceed 0.04 grain per dry standard cubic foot (gr/dscf) of exhaust gases.
Visible particulate emissions shall not exceed 20% opacity.
Short term emission rates shall be limited as follows:

CO - 16.80 pounds per hour;
NOx - 22.50 pounds per hour;
SO2 - 16.80 pounds per hour; and
VOC - 20.70 pounds per hour.
Long term emission rates shall be limited as follows:
PE - 56.14 tpy;
CO - 74.04 tpy;
NOx - 99.69 tpy;
SO2 - 74.88 tpy; and
VOC - 90.97 tpy.
The emission limitation specified by this rule is less stringent than the emission limitations established pursuant to 40 CFR Part 60, Subpart I and OAC rule 3745-31-05(A)(3).
The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
The permittee has satisfied 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 Permit to Install 16-02032.

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. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and 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.

The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 16-02032.
Visible emissions of fugitive dust from the aggregate storage bin and conveyor loading areas shall not exceed 20% opacity, as a 3-minute average.
The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the aggregate storage bin and conveyor loading areas.
The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the conveyors and transfer point to the dryer.
The permittee shall operate a vapor recovery system to collect the organic compound emissions from the asphalt storage silo and vent them back to the burner in the dryer. The permittee shall operate condensers on the vents for the asphalt cement storage tanks to control the organic compound emissions that occur when the tanks are filled.
This emissions unit shall combust only natural gas, liquid propane, or #2 fuel oil containing no more than 0.5% sulfur, by weight. Prior to operating this emissions unit with either liquid propane or #2 fuel oil, the permittee shall first conduct a stack test with the new fuel to demonstrate compliance with the allowable, hourly emission limitations.

B. **Operational Restrictions**

1. The permittee shall operate the vapor recovery system and the condensers at all times when this emissions unit is in operation.

2. To ensure the baghouse is operated according to the manufacturer's specifications and to ensure ongoing compliance with the allowable particulate emission rate, a pressure drop across the baghouse of 2 to 6 inches of water column shall be maintained at all times.

3. The permittee may substitute recycled asphalt (RAP) aggregates in the raw material feed mix in amounts not to exceed 50% of all aggregate materials introduced at any given time.

4. The permittee shall operate and maintain the fuel burner in accordance with the manufacturer's recommendations and in accordance with the fuel usage baseline level (plus 10%) established pursuant to paragraph C.6, to ensure efficient combustion of the fuel and to ensure ongoing compliance with the applicable emission

limitations for CO and NOx.

C. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse 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 baghouse on daily basis.

2. The permittee shall document all periods of time during which this emissions unit was in operation and the vapor recovery system and/or the condensers were (was) not in service.

3. The permittee shall record the maximum percentage of RAP mixed with the raw material feed mix for each day.

4. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the aggregate storage bin and conveyor loading areas. 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 emission incident; and

   e. any corrective actions taken to minimize or eliminate the visible emissions.

   If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission 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.

5. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the conveyors and the transfer point to the dryer and for any visible particulate emissions from the baghouse. 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 emission incident; and

   e. any corrective actions taken to eliminate the visible emissions.

6. Each calendar year, prior to the initial start-up of this emissions unit for production purposes, the permittee shall inspect or have inspected the fuel burner and associated equipment to ensure that they are functioning properly, in accordance with the manufacturers' recommendations. The aggregate fed to the dryer during the inspection and the first day of operation following the burner tuning shall have a moisture content that is representative of the aggregate normally provided by the supplier(s). The aggregate shall not contain a significant amount of moisture due to precipitation. (The permittee maintains the position that the moisture content of the aggregate does not vary significantly on a day-to-day basis, even with precipitation events, and has provided some information to the Ohio EPA to support that position.) The inspection shall include measurements of the concentrations of CO, NOx and O2 in the flue gases, using a portable combustion gas analyzer that is capable of accurately measuring the desired parameters and is calibrated in accordance with the manufacturer's instructions. During the inspection, the burner shall be adjusted to achieve the optimum burner operation (i.e., air to fuel ratio). The permittee shall maintain records of the following information for each inspection:

   a. the date of the inspection;

   b. the equipment inspected;

   c. the adjustments, maintenance, and repairs made as a result of the inspection;

   d. the results of all of the measurements for CO, NOx, and O2;

   e. for the first day of operation following the burner tuning:

   i. the total production, in tons of asphalt;

   ii. the total amount of natural gas burned in the dryer, in cubic feet, or the amount of fuel oil burned, in gallons;
   iii. the total amount of aggregate fed to the dryer, in tons;

   iv. the average water content of the aggregate fed to the dryer, expressed as a weight fraction;

   v. the baseline level of fuel usage that represents the optimum burner operation, in cubic feet of natural gas

per ton of asphalt produced, or in gallons of fuel oil per ton of asphalt produced, calculated as follows:

for natural gas: cubic feet/ton = [e.ii cubic feet] / (e.i tons);

for fuel oil: gallons/ton = [e.ii gallons] / (e.i tons); and

f. the person(s) who performed the inspection.

7. On the first day of operation following the burner tuning, the permittee shall collect grab samples of the aggregate fed into the dryer. The grab samples shall be combined into one composite sample for the day, and the composite sample shall be analyzed to determine the average water content (as a weight fraction) of the aggregate fed into the dryer. A sufficient number of grab samples shall be collected so that the composite sample is representative of the average composition of the aggregate fed into the dryer. The permittee shall perform the sampling and analyses of the aggregate in accordance with accepted industry protocols. The permittee shall maintain records of the sampling and analytical protocols and the results of each water content determination.

8. For each day of operation of this emissions unit, the permittee shall maintain records of the following information:

a. the total production, in tons of asphalt;

b. the total amount of natural gas burned in the dryer, in cubic feet, or the total amount of fuel oil burned in the dryer, in gallons; and

c. the amount (cubic feet) of natural gas burned per ton of asphalt produced, or the amount (gallons) of fuel oil burned per ton of asphalt produced, calculated as follows:

for natural gas: cubic feet/ton = [b cubic feet] / (a tons);

for fuel oil: gallons/ton = [b gallons] / (a tons).
If the daily records document an amount of natural gas or fuel oil burned per ton of asphalt produced that exceeds by more than 10% the baseline level established pursuant to the burner tuning required by paragraph C.6, the permittee shall inspect the burner in a timely manner and shall make appropriate adjustments and repairs to ensure that the baseline level will not be exceeded. For all such inspections, the permittee shall maintain a record of the information specified in C.6.a through C.6.d, and C.6.f.

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

Pollutant: formaldehyde

TLV (mg/m3): 272.7

Maximum Hourly Emission Rate (lbs/hr): 1.08

Predicted 1 Hour Maximum Ground-Level Concentration (ug/m3): 1.32

MAGLC (ug/m3): 6.49

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 (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"
a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

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

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

11. Before any fuel oil is burned on a routine basis the permittee shall reestablish the fuel usage baseline for fuel oil pursuant to paragraph C.6. Thereafter, the permittee shall maintain records of the oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The oil supplier's analyses shall document the heat content and sulfur content (percent) of each shipment of oil. These records shall be kept in a central location for a minimum of 5 years, and shall be made available upon request to a representative of the Ohio EPA.

    The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Director.

D. **Reporting Requirements**

1. By June 30 and December 31 of each calendar year, the permittee shall submit deviation (excursion) reports that identify all the days when this emissions unit was in operation and the vapor recovery system and/or condensers were (was) not in service.

2. By June 30 and December 31 of each calendar year, the permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above, while the emissions unit was in operation.

3. By June 30 and December 31 of each calendar year, the permittee shall submit written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the aggregate storage bin and/or conveyor loading areas, and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

4. By June 30 and December 31 of each calendar year, the permittee shall submit written reports that (a) identify all days during which any visible particulate emissions were observed from the conveyors, the transfer point to the dryer, and/or the baghouse, and (b) describe any corrective actions taken to eliminate the visible particulate emissions.

5. By June 30 and December 31 of each calendar year, the permittee shall submit deviation (excursion) reports that (a) identify all daily values of the amount of natural gas and/or oil burned per ton of asphalt produced that exceeded the fuel usage baseline level, established pursuant to paragraph C.6, by more than 10%, and (b) describe the corrective actions taken.

6. By June 30 and December 31 of each calendar year, the permittee shall submit deviation (excursion) reports that (a) identify each shipment of oil that exceeded the 0.5% sulfur, by weight, limitation, and (b) describe the corrective actions taken.

7. The June 30 reports required by paragraphs D.1 through D.6 shall include the information obtained since December 31; and the December 31 reports required by paragraphs D.1 through D.6 shall include the information obtained since June 30.

8. By December 31 of each calendar year, the permittee shall submit reports to the Akron RAQMD that summarize when the fuel burner was inspected during the calendar year and what adjustments, maintenance and repairs were made as a result of the inspections.

9. By December 31 of each calendar year, the permittee shall submit a report that summarizes the total emissions, in tons/year, of particulates, CO, NOx, SO2, and VOC from this emissions unit.

10. The permittee shall report each exceedance of the percent RAP usage limitation within 30 days of the exceedance.

11. The permittee shall submit any "Notice of Intent to Relocate a Portable or Mobile Source" per Part II section F.1 of this permit.

E. **Testing Requirements**

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

    a. Emission testing for PE, CO, NOx, VOC, and SO2 shall be conducted during the third year of this permit. Emission testing for VOC and SO2 also shall be conducted within 6 months prior to expiration of this permit.

    b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE, CO, NOx, SO2 and VOC.

    c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

    Pollutant Test Method Location

    PE Methods 1- 5 40 CFR Part 60, Appendix A
    . Method 17 " (if appropriate)

    SO2 Methods 1-4 and 6 40 CFR Part 60, Appendix A

    NOX Methods 1-4 and 7 40 CFR Part 60, Appendix A
    CO Methods 1-4 and 10 40 CFR Part 60, Appendix A

    VOC Methods 1-4 and "
    . Method 25 or "
    . Method 25A "
    d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity and using the permittee's maximum anticipated amount of RAP in the feed mix, unless otherwise specified or approved by the field office having jurisdiction over the emissions unit's location at the time of the test(s).

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate field office. 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 appropriate field office's refusal to accept the results of the emission test(s).

Personnel from the appropriate field office shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
A comprehensive written report on the results of the emission tests shall be signed by the persons or person responsible for the test and submitted to the appropriate field office(s) within 30 days following completion of the tests. The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate field office.

2. Compliance with the emission limitations in this permit shall be determined in accordance with the following methods:
Emission Limitation:

Particulate emissions shall not exceed 0.04 gr/dscf of exhaust gases.

Applicable Compliance Method:

Compliance shall be determined in accordance with the test methods specified in section E.1 above.
Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, from the stack.

Applicable Compliance Method:

Compliance shall be based upon visible emissions observations performed in accordance with 40 CFR Part 60.93(b)(2).
Emission Limitation:

16.80 pounds per hour of CO.

Applicable Compliance Method:

Compliance shall be determined in accordance with the test methods specified in section E.1. above.
Emission Limitation:

22.50 pounds per hour of NOx.

Applicable Compliance Method:

Compliance shall be determined in accordance with the test methods specified in section E.1. above.
Emission Limitation:

16.80 pounds per hour of SO2.

Applicable Compliance Method:

Compliance shall be determined in accordance with the test methods specified in section E.1. above.
Emission Limitation:

20.70 pounds per hour of VOC.

Applicable Compliance Method:

Compliance shall be determined in accordance with the test methods specified in section E.1. above.
Emission Limitation:

56.14 tons per year PE.

Applicable Compliance Method:

Compliance shall be determined by multiplying the emission factor in pounds of PE per ton of asphalt processed obtained from the most recent emission test that demonstrated that the emissions unit was in compliance times the annual tons processed, and dividing by 2000 lbs/ton.
Emission Limitation:

74.04 tons per year of CO.

Applicable Compliance Method:

Compliance shall be determined by multiplying the emission factor in pounds of CO per ton of asphalt processed obtained from the most recent emission test that demonstrated that the emissions unit was in compliance times the annual tons processed, and dividing by 2000 lbs/ton.
Emission Limitation:

99.69 tons per year of NOx.

Applicable Compliance Method:

Compliance shall be determined by multiplying the emission factor in pounds of NOx per ton of asphalt processed obtained from the most recent emission test that demonstrated that the emissions unit was in

compliance times the annual tons processed, and dividing by 2000 lbs/ton.
Emission Limitation:

74.88 tons per year of SO2.

Applicable Compliance Method:

Compliance shall be determined by multiplying the emission factor in pounds of SO2 per ton of asphalt processed obtained from the most recent emission test that demonstrated that the emissions unit was in compliance times the annual tons processed, and dividing by 2000 lbs/ton.
Emission Limitation:

90.97 tons per year of VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the emission factor in pounds of VOC per ton of asphalt processed obtained from the most recent emission test that demonstrated that the emissions unit was in compliance times the annual tons processed, and dividing by 2000 lbs/ton.
Emission Limitation:

Visible emissions of fugitive dust from the aggregate storage bin and conveyor loading areas shall not exceed 20 percent opacity, as a 3-minute average.

Applicable Compliance Method:

Compliance shall be based upon visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(3), using Method 9 of 40 CFR Part 60, Appendix A.

F. **Miscellaneous Requirements**

1. Notice to Relocate a Portable or Mobile Source
Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State without first obtaining a permit to install (PTI) providing the following criteria are met:

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

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

iii. the applicant has provided proper notice of intent to relocate the portable emissions unit to Akron RAQMD and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

iv. in the Akron RAQMD's and the appropriate field office's judgement, the proposed site is acceptable under rule 3745-15-07 of the Administrative Code.

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

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

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

iii. the portable emissions unit owner has identified the proposed site to Ohio EPA;

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

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

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

vii. the portable emissions unit owner has provided Ohio EPA with 15 days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to F.1.b above, shall be valid for no longer than 3 years and are subject to renewal.

In order for the Akron RAQMD and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee of the portable or mobile emissions unit must file a " Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Akron RAQMD (146 S. High Street, Suite 904, Akron, OH 44308) and the appropriate field office having jurisdiction over the new site. Upon receipt of the notice, the Akron RAQMD, and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in fines and civil penalties.

2. The permittee shall comply with any applicable State and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the emissions unit.

3. The permittee is hereby notified that this permit and all Agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.