

Facility ID: 1652050054 Issuance type: Final State Permit To Operate

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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.

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Facility ID: 1652050054 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
paved roadways and parking areas (see Section A.2.a)	OAC rule 3745-31-05(A)(3) (PTI 16-1127)	no visible particulate emissions except for 6 minutes during any 60-minute period
	OAC rule 3745-17-07(B)(4)	See A.2.k below.
	OAC rule 3745-17-08(B), (B)(8), (B)(9)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, A.2.d, and A.2.f through A.2.j)
unpaved roadways and parking areas (see Section A.2.b)	OAC rule 3745-31-05(A)(3) (PTI 16-1127)	no visible particulate emissions except for 13 minutes during any 60-minute period
	OAC rule 3745-17-07(B)(5)	See A.2.k below.
	OAC rule 3745-17-08(B), (B)(2)	reasonably available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.e through A.2.j)

2. Additional Terms and Conditions

- (a) The paved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:
 - paved roadways:
 - back drive
 - paved parking areas:
 - front lot

The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC rules 3745-17-07 and 3745-17-08 are listed below:

 - unpaved roadways:
 - n/a
 - unpaved parking areas:
 - back lot

The permittee shall employ reasonably available control measures on all paved 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 roadways and parking areas by sweeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The permittee shall employ reasonably available control measures on the unpaved shoulders of all paved roadways 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 unpaved shoulders of all paved roadways with water and/or any suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

The permittee shall employ reasonably available control measures on all 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 unpaved roadways and parking areas 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 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 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 with the control measure(s) specified above 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 and parking areas.

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.

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 3745-17-08.

The emissions limitations required by OAC rule 3745-17-07(B) are the same as the emission limitations required by best available technology.

B. Operational Restrictions

1. When waste oil is used for controlling fugitive dust from the unpaved road segments and parking areas, the following restrictions shall be followed:
 - a. The permittee shall certify or possess certification that all waste oil used to control fugitive dust meets the PCB limitations set forth in 40 CFR 761, and that there are no listed hazardous wastes or characteristic hazardous wastes as set forth in 40 CFR 261.
 - b. Waste oil shall be applied in such a manner as to prevent pollution of waters of the State as required by the Ohio Revised Code, section 6111.
 - c. Waste oil shall be applied only to unpaved road and parking area surfaces, and only between sunrise and sundown (daylight hours).
 - d. Waste oil shall not be applied to a water-saturated surface nor to surfaces on days of predicted rainfall events.
 - e. Waste oil shall not be applied at an application rate that allows pooling of liquid.
 - f. Waste oil shall not be applied to the same surface more frequently than twice per week.
 - g. The application of waste oil shall not cause runoff from the application surface.
 - h. Waste oil shall not be applied to vegetation near or adjacent to surfaces being treated.
 - i. Waste oil shall not be applied within 12 feet of structures crossing bodies of water or drainage ditches.
 - j. The discharge of waste oil must stop when the applicator vehicle stops.
 - k. The applicator vehicle must be moving at least 5 miles per hour at all times while the waste oil is being applied.
 - l. The applicator vehicle discharge valve shall be locked closed between the waste oil collection point and the specific surfaces which have been approved for waste oil application.
 - m. Any valves that provide for tank draining other than through the spreader bar must be locked closed during waste oil application and transport.
 - n. The angle of discharge from the applicator vehicle spreader bar shall not be greater than 60 degrees from the perpendicular to the unpaved surface.

C. Monitoring and/or Record Keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:
 - paved roadways and parking areas minimum inspection frequency

all daily

unpaved roadways and 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 A.III.4.d shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.
5. Records shall be kept of the dates of individual applications and the quantity of all oil applied, and the oil's certificate of compliance with 40 CFR 761, and 40 CFR 261. This certificate of compliance should include, but not be limited to, the name of the oil supplier and an analysis of the oil. The analysis shall include a standard PCB test (gas chromatography using electron capture detector, a column packing of OV-1 or OV-17 and a florisil clean-up) and representative sampling methods, EP toxicity test procedures, and chemical analysis test methods as specified in 40 CFR 261, App. I, II and III.

D. Reporting Requirements

1. The permittee shall submit 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 requirements specified in Part I - General Term and Condition 3.

E. Testing Requirements

1. Compliance with the 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.

F. Miscellaneous Requirements

1. None

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Facility ID: 1652050054 Emissions Unit ID: P902 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
215 TPH asphaltic concrete drum mix plant controlled by a 52,000 ACFM baghouse (plant modified to allow the burning of natural gas, no. 2 fuel oil, and on-spec waste oil); plant 516	OAC rule 3745-31-05(A)(3) (PTI 16-02333)	See A.2.a through A.2.w below.
	OAC rule 3745-35-07(B) (synthetic minor to avoid Title V requirements)	See A.2.x through A.2.z; and A.2.aa through A.2.hh below.
	OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)(1) OAC rule 3745-18-06(E)	The emissions limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
		PE from the stack shall not exceed 0.04 gr/dscf when burning on-spec oil, number 2 fuel oil, or natural gas.

40 CFR Part 60, Subpart I

2. Additional Terms and Conditions

(a) Carbon monoxide (CO) emissions from burning on-spec used oil shall not exceed 27.95 lbs/hr.
 Fugitive PM-10 emissions shall not exceed 1.14 tons per rolling 12-month period.
 CO emissions from burning natural gas shall not exceed 35.28 lbs/hr.
 CO emissions shall not exceed 38.6 tons per rolling 12-month period.
 CO emissions from burning number 2 fuel oil shall not exceed 27.95 lbs/hr.
 VOC emissions shall not exceed 13.5 tons per rolling 12-month period.
 Nitrogen Oxide (NOx) emissions from burning on-spec used oil shall not exceed 11.83 lbs/hr.
 SO2 emissions shall not exceed 13.6 tons per rolling 12-month period.
 NOx emissions from burning natural gas shall not exceed 4.50 lbs/hr.
 NOx emissions shall not exceed 12.9 tons per rolling 12-month period.
 NOx emissions from burning number 2 fuel oil shall not exceed 11.83 lbs/hr.
 On-spec used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR Part 266.40(c) and OAC rule 3745-279. Therefore, the permittee may receive and burn on-spec used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 Part CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Hazardous Waste Management that the on-spec used oil does not contain any hazardous waste.
 Sulfur Dioxide (SO2) emissions from burning on-spec used oil shall not exceed 12.47 lbs/hr.
 All number 2 fuel oil and on-spec used oil burned in this emissions unit shall have a sulfur content equal to or less than 0.5%.
 SO2 emissions from natural gas shall not exceed 0.29 lbs/hr.
 The hourly allowable emissions limitations when the plant is fueled by number 2 fuel oil established in this permit through BAT are based upon AP-42, Fifth edition, Table 11.1-7 (12/00) and from AP-42, Fifth edition, Table 11.1-8 (12/00). The hourly allowable emissions limitations when the plant is fueled by natural gas established in this permit through BAT are based upon emissions determined by a stack test at this facility (Medina plant) on July 17-18, 2003 while the plant was fueled by natural gas. The hourly allowable emissions limitations when the plant is fueled by on-spec used oil established in this permit through BAT are based upon emissions determined by a stack test at this facility (Medina plant) on July 16, 2004 while the plant was fueled by on-spec used oil.
 SO2 emissions from burning number 2 fuel oil shall not exceed 2.37 lbs/hr.
 The permittee shall ensure that the baghouse is operated with sufficient air volume to minimize or eliminate visible fugitive emissions from the rotary drum.
 Volatile Organic Compound (VOC) emissions from burning on-spec used oil shall not exceed 12.37 lbs/hr.
 All on-spec used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property Allowable Specifications

arsenic 5 ppm, maximum
 cadmium 2 ppm, maximum
 chromium 10 ppm, maximum
 lead 100 ppm, maximum
 PCB's 50 ppm, maximum
 total halogens 4000 ppm maximum
 mercury 1 ppm, maximum
 flash point 100oF, minimum
 heat content 135,000 Btu/gallon, minimum
 VOC emissions from burning natural gas shall not exceed 3.68 lbs/hr.
 VOC emissions from burning number 2 fuel oil shall not exceed 6.88 lbs/hr.
 PM-10 from the stack shall not exceed 0.04 gr/dscf when burning on-spec oil, number 2 fuel oil, or natural gas.
 Emissions of fugitive PM-10 shall not exceed 0.94 pound per hour when burning on-spec used oil, number 2 fuel oil, or natural gas.
 Emissions of fugitive particulate emissions shall not exceed 1.93 pounds per hour when burning on-spec used oil, number 2 fuel oil, or natural gas.
 Arsenic, cadmium, chromium, and lead emissions are limited by the fuel specifications in A.2.b below.

Visible particulate emissions from the stack shall not exceed 20% opacity, as a 3-minute average.
 Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see section A.2.a).
 No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.
 Visible emissions of fugitive dust (from areas other than the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper) shall be less than or equal to 10% opacity, as a 3-minute average.
 The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the aggregate storage bins.
 The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize the visible emissions of fugitive dust from conveyors and all transfer points to the dryer.
 The requirements of this rule also include compliance with the requirements of OAC rule 3745-35-07(B) and 40CFR Part 60, Subpart I.
 Particulate emissions (PE) from the stack shall not exceed 22.4 tons per rolling 12-month period.
 PM-10 emissions from the stack shall not exceed 22.4 tons per rolling 12-month period.
 Fugitive PE shall not exceed 2.33 tons per rolling 12-month period.

B. Operational Restrictions

1. The pressure drop across the fabric filter shall be maintained within the range of 2 to 8 inches of water while the emissions unit is in operation.
2. The permittee may not receive or burn any on-spec used oil which does not meet the specifications listed in A.2.b of this permit without first obtaining a permit to install that authorizes the burning of such off-specification used oil. The burning of off-specification used oil is subject to OAC rule 3745-279-60 through 67.
3. The maximum annual asphalt production rate for this emissions unit shall not exceed 470,000 tons per year, based upon a rolling, 12-month summation of the production rates. The permittee has existing production records and therefore the permittee does not have to be limited to first year monthly asphalt production values.
4. The exit of the stack serving this emissions unit shall be a minimum of 35 feet above ground.
5. The permittee may substitute reclaimed asphalt pavement (RAP) and or asphalt shingles in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall receive a chemical analysis with each shipment of on-spec used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:
 - a. Date of shipment or delivery;
 - b. Quantity of on-spec used oil received;
 - c. The Btu value of the on-spec used oil;
 - d. The flash point of the on-spec used oil;
 - e. The arsenic content;
 - f. The cadmium content;
 - g. The chromium content;
 - h. The lead content;
 - i. The PCB content;
 - j. The total halogen content; and
 - k. The mercury content.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Ohio EPA, Central District Office upon verbal or written request. The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the dryer.

2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the fabric filter on daily basis.
3. The permittee shall maintain monthly records of the following information:
 - a. The asphaltic concrete production for each month, in tons;
 - b. The rolling, 12-month summation of the asphaltic concrete produced, in tons.
 - c. The type and amount (gallons or cubic feet) of fuel burned; and
 - d. The maximum percentage RAP used for any mix.
4. For each shipment of number 2 fuel oil and on-spec used oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittees or oil supplier's analyses for sulfur content and heat content.

5. The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper servicing this emissions unit. If visible particulate emissions are observed, the permittee shall note the following in the operation log:
- The color of the visible particulate emissions;
 - The cause of the visible particulate emissions;
 - The total duration of the visible particulate emission incident; and
 - Corrective actions taken to eliminate the visible particulate emissions.

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

6. The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any abnormal visible particulate emissions from the stack, aggregate storage bins and cold aggregate elevator/conveyor serving this emissions unit. If abnormal visible emissions are observed, the permittee shall note the following in the operation log:
- The color of the abnormal visible particulate emissions;
 - The cause of the abnormal visible particulate emissions;
 - The total duration of any abnormal visible particulate emissions incident; and
 - Any corrective actions taken to eliminate the abnormal visible particulate emissions.

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

7. The permit to install for this emissions unit (P902) was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: Heptane

TLV (ug/m3): 1,640

Maximum Hourly Emission Rate (lbs/hr): 3.38

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 5.59

MAGLC (ug/m3): 39,048

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

- Changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- 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
- Physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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

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

D. Reporting Requirements

1. The permittee shall submit quarterly 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. These reports are due by the date described in Part 1- General Terms and Condition of this permit under section (A)(2).
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month production limitation. These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(2).
3. The permittee shall submit annual reports which specify the total PM, SO₂, NO_x, VOC and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
4. The permittee shall notify the USEPA and the Ohio EPA if any of the on-spec used oil exceeds the on-spec used oil specifications found in OAC rule 3745-279-11. If the permittee is burning on-spec used oil which exceeds the specifications found in OAC rule 3745-279-11, the permittee is subject to that rule and must comply with all provisions of that rule. The required notification shall be submitted within 30 days of the date in which the exceedance occurred.
5. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the sulfur content limit specified above. These reports are due by the date described in Part 1- General Terms and Condition of this permit under section (A)(2).
6. The permittee shall submit quarterly deviation (excursion) reports that identify any of the following occurrences:
 - a. Identify all days during which any visible particulate emissions were observed from the stack serving this emissions unit;
 - b. Identify all days during which any visible fugitive particulate emissions were observed from the enclosures for the hot aggregate elevator, vibrating screens, weigh hopper, aggregate storage bins and cold aggregate elevator associated with this emissions unit;
 - c. Describe any corrective actions taken to eliminate the abnormal visible particulate emissions.

These reports are due by the date described in Part 1 - General Terms and Conditions of this permit under section (A)(2).

E. Testing Requirements

1. Compliance with the emission limitations specified in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitations: PE shall not exceed 0.04 gr/dscf; VOC emissions shall not exceed 12.37 lbs/hr when burning on-spec used oil and 6.88 lbs/hr when burning number 2 fuel; CO emissions from burning number 2 fuel or on-spec used oil shall not exceed 27.95 lbs/hr; SO₂ emissions shall not exceed 12.47 lbs/hr when burning on-spec used oil and 2.37 lbs/hr when burning number 2 fuel; and NO_x emissions from burning number 2 fuel or on-spec used oil shall not exceed 11.83 lbs/hr.

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

- i. The emission testing shall be conducted within 60 days after achieving the maximum production rate for the 2008 paving season but no later than 180 days after initial startup of the emissions unit; and again during the time frame that is not more than 6 months prior to the expiration of this permit.
- ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PM, VOC, CO, NO_x and SO₂.
- iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) for :

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

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

For SO₂, Methods 1-4 and 6 or 6C of 40 CFR Part 60, Appendix A

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

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

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

The test(s) shall be conducted while this emissions unit is operating at or near its maximum capacity and burning number 2 fuel oil or on spec used oil for PM, VOC, CO, NO_x and SO₂ and employing RAP to verify VOC emissions, unless otherwise specified or approved by the Akron Regional Air Quality Management District.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Akron Regional Air Quality Management District. 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 Akron Regional Air Quality Management District's refusal to accept the results of the emission test(s).

Personnel from the Akron Regional Air Quality Management District 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 Akron Regional Air Quality Management District 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 Akron Regional Air Quality Management District.

Emissions Limitation: PE emissions shall not exceed 22.4 tons per rolling 12-month period.

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

Emission Limitation: VOC emissions shall not exceed 7.5 tons per rolling 12-month period.

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

Emission Limitation: CO emissions shall not exceed 38.6 tons per rolling 12-month period.

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

Emission Limitation: SO₂ emissions shall not exceed 13.6 tons per rolling 12-month period.

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

Emission Limitation: NO_x emissions shall not exceed 12.9 tons per rolling 12-month period.

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

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

Applicable Compliance Method: Compliance with the emissions limitation for arsenic, cadmium and lead shall be demonstrated by the monitoring and record keeping in Section C.1 of this permit.

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

Applicable Compliance Method: Compliance shall be determined using Method 9 as set forth in 40 CFR Part 60 Appendix A, as such appendix existed on July 1, 1996 and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

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

Applicable Compliance Method: Compliance with the limitations on visible emissions of fugitive dust found in Section A.1 of this permit shall be demonstrated by the monitoring and record keeping in Section C.5.

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

Applicable Compliance Method: Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

Emissions Limitation: PM-10 emissions from the stack shall not exceed 22.41 tons per rolling 12-month period.

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

Emissions Limitation: Fugitive PM-10 emissions shall not exceed 1.14 tons per rolling 12-month period.

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

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

Fugitives emissions from the cold end are calculated as follows

$((470,000 \text{ tons of material/year} \times 0.0024 \text{ lb PM-10/ton of material}) + (235,000 \text{ tons of aggregate/year} \times 0.0033 \text{ lb PM-10/ton of aggregate}) + (235,000 \text{ tons of sand/year} \times 0.00099 \text{ lb PM-10/ton of sand})) \times (1 \text{ ton}/2000 \text{ pounds}) = 1.07 \text{ tons of PM-10}$

Fugitives emissions from the hot end are calculated as follows

$(470,000 \text{ tons of asphalt produced} \times 0.0003 \text{ lb of PM-10/ton of asphalt produced}) \times (1 \text{ ton}/2000 \text{ pounds}) = 0.07 \text{ ton of PM-10}$

Total fugitive emissions are therefore 1.14 tons.

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

Emissions Limitation: Fugitive PM emissions shall not exceed 2.33 tons per rolling 12-month period.

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

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

Fugitives emissions from the cold end are calculated as follows

$((470,000 \text{ tons of material/year} \times 0.0051 \text{ lb PM/ton of material}) + (235,000 \text{ tons of aggregate/year} \times 0.0069 \text{ lb PM/ton of aggregate}) + (235,000 \text{ tons of sand/year} \times 0.0021 \text{ lb PM/ton of sand})) \times (1 \text{ ton}/2000 \text{ pounds}) = 2.26 \text{ tons of PM}$

Fugitives emissions from the hot end are calculated as follows

$(470,000 \text{ tons of asphalt produced} \times 0.0003 \text{ lb of PM/ton of asphalt produced}) \times (1 \text{ ton}/2000 \text{ pounds}) = 0.07 \text{ tons of PM.}$

Total fugitive emissions are therefore 2.33 tons.

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

Emission Limitations: Emissions of fugitive PM-10 shall not exceed 0.94 pound per hour when burning on-spec used oil, number 2 fuel oil, or natural gas.

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

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

Fugitives emissions from the cold end are calculated as follows

$(215 \text{ tons of material/hour} \times 0.0024 \text{ lb PM-10/ton of material}) + (86 \text{ tons of aggregate/hour} \times 0.0033 \text{ lb PM-10/ton of aggregate}) + (86 \text{ tons of sand/hour} \times 0.00099 \text{ lb PM-10/ton of sand}) = 0.88 \text{ pound per hour of PM-10}$

Fugitives emissions from the hot end are calculated as follows

$215 \text{ tons of asphalt produced} \times 0.0003 \text{ lb of PM-10/ton of asphalt produced} = 0.06 \text{ pound per hour of PM-10.}$

Total fugitive emissions are therefore 0.94 pound per hour.

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

Emission Limitations: Emissions of fugitive PM shall not exceed 1.93 pounds per hour when burning on-spec used oil, number 2 fuel oil, or natural gas.

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

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

Fugitives emissions from the cold end are calculated as follows

$(215 \text{ tons of material/hour} \times 0.0051 \text{ lb PM/ton of material}) + (86 \text{ tons of aggregate/hour} \times 0.0069 \text{ lb PM/ton of aggregate}) + (86 \text{ tons of sand/hour} \times 0.0021 \text{ lb PM/ton of sand}) = 1.87 \text{ pounds per hour of PM}$

Fugitives emissions from the hot end are calculated as follows

$215 \text{ tons of asphalt produced} \times 0.0003 \text{ lb of PM/ton of asphalt produced} = 0.06 \text{ pound per hour of PM.}$

Total fugitive emissions are therefore 1.93 pounds per hour.

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

F. Miscellaneous Requirements

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

Source Number Source Description NSPS Regulation (Subpart)
P902 215 tph asphalt batch plant Subpart I

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

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

- a. Construction date (no later than 30 days after such date);
- b. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. Actual start-up date (within 15 days after such date); and
- d. Date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency

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

and

Akron Regional Air Quality Management District
146 South High Street
Suite 904
Akron, OH 44308

2. The terms and conditions of this PTI are federally enforceable, except for term C.7.