

Facility ID: 0250110936 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.

THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0250110936 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
240 TPH Stansteel asphalt batch plant with baghouse, including rotary dryer, hot aggregate elevator, vibrating screen, weigh hopper, aggregate storage bins, and cold aggregate elevator	OAC rule 3745-31-05(A)(3) (PTI 02-20937)	Stack Emissions: Nitrogen oxides (NOx) emissions shall not exceed 28.8 lbs/hr. Sulfur Dioxide (SO2) emissions shall not exceed 21.1 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 96 lbs/hr. Volatile organic compound (VOC) emissions shall not exceed 8.6 lbs/hr. Particulate emissions (PE) shall not exceed 0.030 gr/dscf of total exhaust gases. Arsenic, cadmium, chromium, and lead emissions are limited by the fuel specifications in A.2.b below. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(C).
	OAC rule 3745-31-05(C)	See sections A.2.a-m below. Stack Emissions: NOx emissions shall not exceed 12.0 tons per rolling, 12-month period. SO2 emissions shall not exceed 8.8 tons per rolling, 12-month period. CO emissions shall not exceed 40.0 tons per rolling, 12-month period. VOC emissions shall not exceed 3.6 tons per rolling, 12-month period. PE shall not exceed 3.8 tons per rolling, 12-month period. Asphalt Load-out Emissions: Emissions from load-out operations shall not exceed

0.2 tons of CO per rolling, 12-month period, 0.1 tons of PE per rolling, 12-month period and 0.4 tons of VOC per rolling, 12-month period.

Asphalt Silo Filling Emissions:

Emissions from silo filling operations shall not exceed 0.2 tons of CO per rolling, 12-month period, 0.1 tons of PE per rolling, 12-month period and 1.3 tons of VOC per rolling, 12-month period.

Cold End Fugitive Dust Emissions:

Emissions of fugitive dust associated with the weigh hopper loading, aggregate transfer operations and sand transfer operations shall not exceed 1.3 tons of PE per rolling, 12-month period.

See section A.2.l.

See section A.2.m.

The emissions limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

OAC rule 3745-23-06(B)

OAC rule 3745-21-08(B)

OAC rule 3745-17-07(B)

OAC rule 3745-17-08

OAC rule 3745-18-06(E)

40 CFR, Part 60, Subpart I

2. **Additional Terms and Conditions**

- (a) The permittee shall ensure that the baghouse is operated with sufficient air volume to eliminate visible fugitive emissions from the rotary drum.
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 4,000 ppm maximum
- mercury 1 ppm, maximum
- flash point 100 degrees F, minimum
- heat content 135,000 Btu/gallon, minimum

Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR 266.40(c) and OAC rule 3745-279. Therefore, the permittee may receive and burn used oil exceeding 1,000 ppm of total halogens (but less than 4,000 ppm, maximum) only if the supplier ["marketer" in 40 CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Hazardous Waste Management that the used oil does not contain any hazardous waste.

All number 2 and on-spec used oil burned in this emissions unit shall have a sulfur content equal to or less than 0.5%, by weight.

All number 4 fuel oil burned in this emissions unit shall have a sulfur content equal to or less than 0.8%, by weight.

Visible particulate emissions from the stack shall not exceed 20 percent opacity, as a three-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 and vibrating screens.

Visible emissions of fugitive dust (from areas other than the enclosures for the hot aggregate elevator and vibrating screens) shall be less than or equal to 10 percent opacity, as a three-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 or eliminate the visible emissions of fugitive dust from conveyors and all transfer points to the dryer.

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 this Permit to Install.

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 this Permit to Install.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. 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.

B. **Operational Restrictions**

- 1. The pressure drop across the fabric filter shall be maintained within the range of 1 to 6 inches of water column while the emissions unit is in operation.
- 2. The permittee may not receive or burn any 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 off-specification used oil. The burning of off-specification used oil is subject to OAC rules 3745-279-60 through 67.

3. The permittee has requested a federally enforceable limit on asphalt produced in order to restrict the federally enforceable potential to emit. The permittee shall not produce more than 200,000 tons per year of asphalt.
4. The permittee shall operate and maintain the fuel burner in accordance with the manufacturer's recommendations to ensure efficient combustion of the fuel(s) and to ensure compliance with the applicable emission limitations for CO and NOx.
5. The permittee may substitute reclaimed asphalt pavement (RAP) in the raw material feed mix in amounts not to exceed 50 per cent of all aggregate materials.
6. The permittee shall only burn natural gas, propane, no. 2 fuel oil, no. 4 fuel oil, and/or used oil in this emissions unit. In order to use a fuel on an ongoing basis, the permittee shall complete the emissions testing for that fuel per section E.1.a.

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 U.S. EPA's 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, in ppm;
 - f. the cadmium content, in ppm;
 - g. the chromium content, in ppm;
 - h. the lead content, in ppm;
 - i. the PCB content, in ppm;
 - j. the total halogen content, in ppm; and
 - k. the mercury content, in ppm.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director (the Northeast District Office of Ohio EPA) 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 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.
3. The permittee shall maintain monthly records of the following information:
 - a. the total asphalt production for each month;
 - b. the total asphalt produced for each fuel type for each month;
 - c. the rolling, 12-month summation of the total asphalt production and the asphalt production by fuel type; and
 - d. the maximum percentage of RAP used for any mix.
4. For each shipment of number 2 fuel oil, number 4 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 abnormal (above the allowable) visible particulate emissions from the baghouse serving this emissions unit. If abnormal visible particulate emissions are observed, the permittee shall note the following in the operation log:
 - a. the color of the visible emissions;
 - b. the cause of the visible emissions;
 - c. the total duration of the visible emission incident; and
 - d. corrective actions taken to correct the excess visible particulate emissions.
6. The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions of fugitive dust from the hot aggregate elevator, vibrating screens, weigh hopper, the aggregate storage bins, the rotary drum and cold aggregate elevator/conveyor serving this emissions unit. If visible emissions are observed, the permittee shall note the following in the operation log:
 - a. the location and color of the visible emissions;
 - b. the cause of the visible particulate emissions;
 - c. the total duration of any visible emissions incident; and
 - d. any corrective actions taken to minimize or eliminate the visible emissions.
7. While performing each burner tuning, the permittee shall record the results of the burner tuning using the Burner Tuning Reporting Form from Asphalt Concrete Plants from (as found in section F.2 of PTI 02-20937). An alternate form may be used upon approval of the Northeast District Office of Ohio EPA.

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 dates described in Part I - General Terms and Condition of this permit under section (A)(2).
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling 12-month asphalt production limitations. These reports are due by the dates described in Part I - General Terms

and Conditions of this permit under section (A)(2).

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the RAP limitation specified above. These reports are due by the dates described in Part I - General Terms and Condition of this permit under section (A)(2).
4. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month total PE, SO₂, NO_x, VOC and CO emission limitations. These reports are due by the dates described in Part I - General Terms and Conditions of this permit under section (A)(2).
5. The permittee shall notify the U.S. EPA and the Ohio EPA if any of the used oil exceeds the onspec used oil specifications found in OAC rule 3745-279-11. If the permittee is burning 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.
6. 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 dates described in Part I - General Terms and Condition of this permit under section (A)(2).
7. The permittee shall submit semiannual written deviation (excursion) reports that (a) identify all days during which any abnormal (above the allowable) visible particulate emissions were observed from the stack serving this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Northeast District Office of Ohio EPA by January 31 and July 31 of each year and shall cover the previous 6-month period.
8. The permittee shall submit semiannual written deviation (excursion) reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the hot aggregate elevator, vibrating screens, weigh hopper, the aggregate storage bins, and cold aggregate elevator/conveyor serving this emissions unit, and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Northeast District Office of Ohio EPA by January 31 and July 31 of each year and shall cover the previous 6-month period.
9. The permittee shall submit a copy of the Burner Tuning Reporting Form for Asphalt Concrete Plants form to the appropriate Ohio EPA district office or local air agency to summarize the results of each burner tuning procedure. These reports shall be submitted to the Ohio EPA district office or local air agency by January 31 of each year and shall cover the previous calendar year.

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:

NO_x emissions shall not exceed 28.8 lbs/hr.
SO₂ emissions shall not exceed 21.1 lbs/hr.
CO emissions shall not exceed 96 lbs/hr.
VOC emissions shall not exceed 8.6 lbs/hr.
PE shall not exceed 0.030 gr/dscf of total exhaust gases.

Applicable Compliance Method:

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

- i. Emission testing while burning on-spec used oil shall be conducted by April 30, 2008 and again by October 31, 2011.
- ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE and VOC for the first test and PE only for the second test.
- iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) for:

For PE, Methods 1-5 of 40 CFR Part 60, Appendix A.
For VOC, Methods 1-4 and 25 and/or 18 of 40 CFR Part 60, Appendix A

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

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

The test(s) shall be conducted while this emissions unit is operating at or near its maximum capacity and burning natural gas, number 2 fuel oil, number 4 fuel oil or on-spec used oil for PE, VOC, CO, NO_x and SO₂ and employing RAP to verify VOC emissions, unless otherwise specified or approved by the Northeast District Office of Ohio EPA.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Northeast District Office of Ohio EPA's refusal to accept the results of the emission test(s).

Personnel from the Northeast District Office of Ohio EPA 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 Northeast District Office of Ohio EPA 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 Northeast District Office of Ohio EPA.

Emissions Limitation:

PE emissions shall not exceed 3.8 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of PE per ton of asphalt produced, by the actual rolling, 12 month summation of asphalt produced, in tons per rolling, 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.

Emission Limitation:

VOC emissions shall not exceed 3.6 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of VOC per ton of asphalt produced, by the actual rolling, 12 month summation of asphalt produced, in tons per rolling, 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.

Emission Limitation:

CO emissions shall not exceed 40 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of CO per ton of asphalt produced, by the actual rolling, 12 month summation of asphalt produced, in tons per rolling, 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.

Emission Limitation:

SO2 emissions shall not exceed 8.8 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of SO2 per ton of asphalt produced, by the actual rolling, 12 month summation of asphalt produced, in tons per rolling, 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.

Emission Limitation:

NOx emissions shall not exceed 12.0 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with the annual emissions limitation shall be determined by multiplying the observed emission rate from the most recent emissions testing, in pounds of NOx per ton of asphalt produced, by the actual rolling, 12 month summation of asphalt produced, in tons per rolling, 12-month period (as derived from the records required by term and condition C.3 above), and dividing by 2000.

Emission Limitation:

Visible particulate emissions from the stack shall not exceed 20 percent opacity, as a three-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, 2002 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, the rotary drum 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.6. If required, compliance 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

Emission Limitation:

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

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

Emissions Limitation:

Fugitive PE emissions from the cold end shall not exceed 1.3 tons per rolling, 12-month period. (AP-42 5th Edition, Table 11.12-2(10/01) and 11.1.2.5 (12/00))

Applicable Compliance Method:

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

Fugitives emissions from the cold end are calculated as follows:

Weigh hopper loading:

200,000 tons of material/year X 0.0051 lb PE/ton of material = 1,020 lbs of PE/yr

Aggregate transfer:

200,000 tons of aggregate/year X 0.0069 lb PE/ton of aggregate = 1,380 lbs of PE/yr

Sand transfer:

80,000 tons of sand/year X 0.0021 lb PE/ton of sand = 168 lbs of PE/yr

The sum of the above is 2,568 lbs of PE/yr X 1 ton/2000 pounds = 1.3 tons of PE

Emission Limitation:

Fugitives emissions from the hot end (hot mix asphalt (HMA) load-out and silo filling) are calculated as follows:

Asphalt plant silo filling and plant load-out emissions from AP-42, Table 11.1-14 dated 3/2004

Known:

V = -0.5 Asphalt volatility factor (default) T = 325 HMA mix temp (F) (default)

For silo filling, 1.4% of TOC is not VOC AP-42 Table 11.1-16 dated 3/2004

For plant load-out, 7.3% of TOC is not VOC AP-42 Table 11.1-16 dated 3/2004

Activity Pollutant Predictive Emission Factor Equation, lb/ton

Silo filling PE EF=0.000332+0.00105(-V)e((0.0251)(T+460)-20.43)

Load-out PE EF=0.000181+0.00141(-V)e((0.0251)(T+460)-20.43)

Silo filling VOC EF= [0.0504(-V)e((0.0251)(T+460)-20.43)] x (1-0.014)

Load-out VOC EF= [0.0172(-V)e((0.0251)(T+460)-20.43)] x (1-0.073)

Silo filling CO EF=0.00488(-V)e((0.0251)(T+460)-20.43)

Load-out CO EF=0.00558(-V)e((0.0251)(T+460)-20.43)

Based on the above information, the emission factors and emissions are as follows:

Activity Pollutant lb/ton tons/yr (at 200,000 tons/yr production)

Silo filling PE 5.86 x 10⁻⁴ 0.1

Load-out PE 5.22 x 10⁻⁴ 0.1

Silo filling VOC 1.20 x 10⁻² 1.3

Load-out VOC 3.86 x 10⁻³ 0.4

Silo filling CO 1.18 x 10⁻³ 0.2

Load-out CO 1.35 x 10⁻³ 0.2

2. Burner Tuning

a. Introduction

The permittee is required to conduct periodic turning of the asphalt plant burner. The purpose of this tuning is to ensure that the burner is adjusted properly so that air pollution emissions remain in compliance with allowable emissions rates and are minimized.

b. Qualifications for Burner Tuning

Technicians who conduct the burner tuning must be qualified to perform the expected tasks. The permittee is required to provide training to the technicians who perform the burner tuning procedure. Technicians who are qualified shall, at a minimum, have passed manufacturer's training concerning burner tuning, or have been trained by someone who has completed the manufacturer's training concerning burner tuning.

c. Portable Monitor Requirements

The permittee shall properly operate and maintain portable device(s) to monitor the concentration of NO_x, O₂ and CO in the stack exhaust gases from this emissions unit. The monitor(s) shall be capable of measuring the expected concentrations of the measured gases. The monitoring equipment shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall maintain records of each portable monitoring device's calibration.

d. Burner Tuning Procedure

The first steps concerning burner tuning involve setting the pollutant baseline levels (concentrations) utilizing the portable monitor. These baselines shall be set during the initial U.S. EPA approved emissions testing that demonstrated the emissions unit was in compliance with all applicable emissions limitations as described in term E.1.a. The baselines shall be determined for NO_x and CO. Sampling should measure the exhaust gas values exiting the baghouse. The duration of each sample shall follow the portable monitor manufacturer's recommendations. Record these values on the Burner Tuning Reporting Form for Asphalt Concrete Plants form (as supplied to the permittee with PTI 02-20937) in the "Recent Stack Test Basis Values" column.

Once the pollutant baseline levels are set, the burner shall be next tuned based on the frequency described in Section E.2.e. The general procedure for tuning the burner involves the following steps:

i. Review the plant operations to ensure the plant is operating normally.

ii. Confirm that the portable monitor is calibrated per the manufacture's specifications.

iii. Using the calibrated monitor and the monitor manufacturer's recommended sampling duration, measure the stack exhaust gas values for NO_x and CO. These measurements shall be taken at the same location as the location where the baseline samples were taken. Record the values in the "Pre Tuning" results column on the Burner Tuning Reporting Form for Asphalt Concrete Plants form.

iv. Compare the measured stack exhaust gas values with the pollutant baseline values. If all of the measured stack exhaust gas values are equal to or less than 115 percent of the pollutant baseline values, then it is not necessary to tune the burner. Go on to Section v. below.

The permittee shall have the burners tuned within two calendar weeks of any measured stack exhaust values greater than 115 percent of the baseline values. Make any necessary adjustments and repairs. Repeat Sections iii. and iv. until the measured stack exhaust gas values are equal to or less than 115 percent of the pollutant

baseline values.

v. Once all of the measured stack exhaust gas values are within the 115 per cent of the pollutant baseline values, record the measured stack exhaust gas values in the "Post Tuning" results column on the Burner Tuning Reporting Form for Asphalt Concrete Plants form.

vi. By January 31st of each year, submit a copy of all Burner Tuning Reporting Form for Asphalt Concrete Plants forms produced during the past calendar year to the Ohio EPA District Office or local air agency responsible for the permitting of the facility.

e. Burner Tuning Frequency

The permittee shall conduct the burner tuning procedure within 20 production days after commencement of the production season in the State of Ohio. The permittee shall conduct another burner tuning procedure within 10 production days before or after June 1st of each year and within 10 production days before or after September 1st of each year. For purposes of this permit, the production season is defined as the time period between the date the first ton of asphalt is produced and the date that the last ton of asphalt is produced during the same calendar year. A burner tuning is not required if the production season ends prior to the associated tuning due date.

In addition to the burner tuning procedure required above, the permittee shall conduct the burner tuning procedure within 20 production days from the date the facility switches to a fuel that is different than the fuel burned during the initial emissions tests that establish the pollutant baseline levels or the fuel burned during the most recent burner tuning procedure, whichever is later.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the increase in emissions due to the modification(s) to the emissions unit was less than 1 ton per year of each toxic pollutant that has a listed Threshold Limit Value (TLV), as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices").
2. The following terms and conditions of this permit are federally enforceable: all except F.1.