☒ **Synthetic Minor Determination and/or** ☐ **Netting Determination**

Permit To Install **02-18271**

A. Source Description

Kokosing Materials, Inc. has submitted a PTI modification application which includes proposed federally enforceable limits for an asphaltic concrete batch plant located in Wooster. The purpose of the federally enforceable limits is to effectively restrict the asphalt plant's Potential to Emit (PTE) below those levels which trigger Title V permitting requirements or additional federal permitting requirements. The proposed Federally Enforceable limits are specific to emissions unit P902.

B. Facility Emissions and Attainment Status

The asphaltic concrete plant is located in Wayne County. Wayne County is attainment for emissions of particulate, sulfur dioxide, carbon monoxide, ozone, lead, and oxides of nitrogen. The maximum potential to emit, at 8,760 hours per year for this emissions unit (P902) is 169 and 318 tons per year for sulfur dioxide (SO_2) and carbon monoxide (CO), respectively. This would make the facility a 'major source' requiring a Title V Permit and be subject to Prevention of Significant Deterioration (PSD) review. The potential emissions of the other pollutants do not reach major threshold levels.

C. Source Emissions

Kokosing Materials will limit the plant's operations to 2,000 hours as a rolling 12-month cumulative summation. With the proposed hour restriction, the total annual (SO_2) and (CO) to 38.6 and 72.6 tons per year, respectively. The PTI requires record keeping to ensure compliance with the operational hour restriction.

D. Conclusion

The required emissions testing and operating hours records required in this permit are sufficient to provide federally enforceable limitations for ensuring that the applicable major thresholds will not be exceeded.

State of Ohio Environmental Protection Agency

Street Address: Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329 Mailing Address: Lazarus Gov. Center

RE: DRAFT PERMIT TO INSTALL **CERTIFIED MAIL**
WAYNE COUNTY
Application No: 02-18271
DATE: 8/28/2003

Kokosing Materials, Inc.
Ralph Kyanko
PO Box 334 17531 Waterford Rd.
Frederickstown, OH 43019

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **$400** will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA **NEDO**

WAYNE COUNTY

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **02-18271** FOR AN AIR CONTAMINANT SOURCE FOR
KOKOSING MATERIALS, INC.

On 8/28/2003 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Kokosing Materials, Inc.**, located at **1516 Timken Road, Wooster**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 02-18271:

Use of no. 2 fuel oil or waste oil in an asphalt batch plant.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Dennis Bush, Ohio EPA, Northeast District Office, 2110 East Aurora Road, Twinsburg, OH 44087
[(330)425-9171]

DRAFT PERMIT TO INSTALL 02-18271

Application Number:	02-18271
APS Premise Number:	0285030277
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Kokosing Materials, Inc.
Person to Contact:	Ralph Kyanko
Address:	PO Box 334 17531 Waterford Rd. Frederickstown, OH 43019

Location of proposed air contaminant source(s) [emissions unit(s)]:
1516 Timken Road
Wooster, **Ohio**

Description of proposed emissions unit(s):
Use of no. 2 fuel oil or waste oil in an asphalt batch plant.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

_____
Director

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request,

the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit to Install

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Source Operation and Operating Permit Requirements After Completion of Construction

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be <u>obtained before</u> the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
NOx	11.0
CO	72.6
SO2	38.6
VOC	20.7
PE	9.1

Emissions Unit ID: **P902**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements
P902 - Gentec 300 TPH asphalt batch plant, with 62,000 ACFM baghouse. Kokosing plant number 517.	OAC rule 3745-31-05(A)(3)

		Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(D)	OAC rule 3745-21-08(B) OAC rule 3745-21-07(B) OAC rule 3745-23-06(B) OAC rule 3745-18-06	Emissions from the asphalt plant and silos shall not exceed the following limits: 72.6 lbs carbon monoxide (CO) per hour 11.0 lbs nitrogen oxides (NO_x) per hour 20.5 lbs volatile organic compounds (VOC) per hour 9.1 lbs particulate emissions (PE) per hour 38.6 lbs sulfur dioxide (SO_2) per hour The annual allowable emissions limitations required by this rule are equivalent to those established pursuant to OAC rule 3745-31-05(D). The requirements of this rule also include compliance with the requirements of 40 CFR 60 subpart I.
OAC rule 3745-17-07(A)(1) OAC rule 3745-17-11(B)(1) OAC rule 3745-18-06(E)		Visible particulate emissions from the stack shall not exceed 20% opacity, as a 3-minute average.
40 CFR Part 60, Subpart I		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.	11.0 tons NO_x as a rolling 12-month cumulative summation
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.	20.5 tons VOC as a roling 12-month cumulative summation 9.1 tons PE as a rolling 12-month cumulative summation 38.6 tons SO_2 as a rolling 12-month cumulative summation
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 emissions limitations specified by these rules are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
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.	PE shall not exceed 0.04 gr/dscf. The visible emissions limitation specified by this rule is less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).
See A.2.c. through f. below.	See A.2.a.
Production shall be limited to 2,000 hours as a rolling 12-month cumulative summation.	See A.2.a. See A.2.a.
Emissions from the asphalt drum mixer and silos shall not exceed the following limits: 72.6 tons CO as a rolling 12-month cumulative summation.	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-07(B) and the "latest available control techniques

and operating practices" required pursuant to OAC rules 3745-21-08(B) and 3745-23-06(B) by committing to comply with the BAT requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

2.b The permittee permitted to use natural gas, #2 fuel oil, or on-spec used (waste) oil in this unit.

2.c 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	100°F, minimum
heat content	135,000 Btu/gallon, minimum

2.d 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.

2.e The permittee shall ensure that the dust control equipment is operated with sufficient air volume to minimize or eliminate visible particulate emissions of fugitive dust at the point of capture to the extent possible with good engineering design.

2.f The permittee shall conduct burner performance tuning for purposes of minimizing emissions. Burner performance tuning shall contain at a minimum the evaluation of and adjustment to manufacturer's specifications of the following:

i. Fuel flow to the burner;

ii. Differential pressure of the baghouse to ensure proper air flow through the plant;

iii. Flue gas analysis (of gases present in the drum and or stack) for CO, O2, CO2, and NOx;

iv. Fuel pressure; and

v. For burners that require compressed air for proper operation, correct pressure at the burner.

B. Operational Restrictions

1. The permittee may not receive or burn any on-spec used oil which does not meet the specifications listed in A.2.c. 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.

2. The pressure drop across the dust control equipment shall be maintained within the range of 2.0 to 8.0 inches of water 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.

3. The maximum operating hours for this emissions unit shall not exceed 2,000 hours as a rolling cumulative 12-month summation of the monthly production rate of this emissions unit.

   To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the production levels specified in the following table:

Month	Maximum Allowable Cumulative Production, hours
1	720
1-2	1,440
1-3	2,000
1-4	2,000
1-5	2,000
1-6	2,000
1-7	2,000
1-8	2,000
1-9	2,000
1-10	2,000
1-11	2,000
1-12	2,000

   After the first 12 calendar months of operation following the issuance of this permit, compliance

with the operating hours limitation shall be based upon a rolling 12-month cumulative summation of the monthly production.

4. The source comprising this PTI shall combust only natural gas, #2 fuel oil, or used oil of no more than 0.5% sulfur content by weight. Combustion of any other fuel will constitute a violation of this term.

5. All aggregate transferred to the elevated storage bins shall contain sufficient moisture so as to minimize or eliminate visible emissions of fugitive dust.

6. During the loading of the aggregate conveyor or storage bins, the drop height of the front-end loader shall be minimized in order to minimize or eliminate the visible emissions of fugitive dust.

7. The permittee shall conduct an initial burner tuning within 30 production days after commencement of the production season. The permittee shall conduct another burner tuning within the time period of 90 to 120 production days after the initial burner tuning. 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.

8. In addition to the burner tuning required above, the permittee shall conduct additional burner tuning, within 30 production days , for each type of fuel burned during the production season that is different than the fuel(s) burned during the initial burner tuning or the burner tuning described above that occurs 90 to 120 production days after the initial burner tuning.

9. The permittee may substitute reclaimed asphalt pavement (RAP) in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:

   a. operating hours for the month;

   b. during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative operating hours; and

   c. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling 12-month cumulative summation of operating hours.

   d. the type and amount (gallons or cubic feet) of fuel burned; and

   e. the maximum percentage of RAP used for any mix.

2. The permittee shall maintain monthly records of the rolling 12-month cumulative summation of operating hours and the cumulative rolling 12-month emissions, calculated as required in the testing section.

3. 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.

4. The permittee shall collect or require the oil supplier to collect a representative grab sample of each shipment of #2 fuel oil or used oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analysis for sulfur content (percent) and heat content (Btu/gallon) in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Ohio EPA Northeast District Office. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, and the permittee's or oil supplier's analyses for sulfur content and heat content.

5. The 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.

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 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:

   a. the color of the visible particulate emissions;

   b. the cause of the visible particulate emissions;

   c. the total duration of the visible particulate emission incident; and

   d. 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.

7. 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:

   a. the color of the abnormal visible particulate emissions;

b. the cause of the abnormal visible particulate emissions;

c. the total duration of any abnormal visible particulate emissions incident; and

d. 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.

8. The permittee shall properly operate and maintain portable devices to monitor the concentration of NOx, CO, O2, and CO2 present in the flue gases generated within the drum and/or stack during the burner performance tuning. 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.

9. While performing the required burner tuning, the permittee shall record the following information:

a. date of the burner tuning;

b. results of the evaluation of the operating parameters listed above in A.2.e;

c. detail list of adjustments and/or repairs made to bring the operating parameters into conformance with the manufacturer's specifications; and

d. type of fuel(s) employed during the burner tuning.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the pressure drop across the dust control system did not comply with the allowable range specified above.

2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the summation of the rolling cumulative 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative operating hours, as specified in Section B.2 above.

3. The permittee shall submit deviation (excursion) reports that identify any exceedance of the

cumulative rolling 12-month emission limitations.

4. The permittee shall submit deviation (excursion) reports which identify any exceedances of the allowable sulfur content (percent) of the fuels.

5. The permittee shall submit deviation (excursion) reports that identify any time period when the opacity limit is exceeded from the asphalt mix stack; and/or from fugitive emissions from material transfer and/or from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper(s).

6. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the RAP limitation specified above.

7. 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.

8. The reports denoted by terms D.1. through D.7. are to be submitted quarterly and are due by the dates and as described in the General Terms and Conditions of this permit under Part 1, Section (A)(2).

9. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, #2 fuel oil, and/or used oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

10. Except as otherwise provided in the terms and conditions of this permit, the permittee shall submit quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations and, (c) any corrective actions or preventative measures that have been or will be taken, shall be submitted to the Ohio EPA's Northeast District Office. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that

no deviations occurred during that quarter.

11. The permittee shall submit annual reports which specify the total PM, SO2, NOx, VOC and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

12. 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.

13. The permittee shall submit burner tuning reports to the Ohio EPA, Central District Office that summarize the results of each burner tuning. These reports are due within 30 days of the date that the burner tuning was performed.

E. Testing Requirements

1. Emission Limitation:

   0.04 grain of particulate emissions per dry standard cubic foot

   Applicable Compliance Method:

   Compliance shall be determined by emission testing as specified in section E.14.

2. Emission Limitation:

   9.1 pounds of particulate emissions per hour

   Applicable Compliance Method:

   Compliance shall be determined by emission testing as specified in section E.14.

3. Emission Limitation:

   9.1 tons of PE as a rolling 12-month cumulative summation

   Applicable Compliance Method:

Compliance shall be determined based upon the following formula:

E = A x B [1 ton / 2,000 lbs]

Where:
E = PE emission rate in tons per rolling 12-month period
A = emission rate as determined during the most recent stack test that demonstrated the emission unit to be in compliance, in pounds per hour (lbs/hr)
B = rolling 12-month summation of operating hours

4. Emission Limitation:

11.0 pounds of NO_X per hour

Applicable Compliance Method:

Compliance shall be determined by emission testing as specified in section E.14.

5. Emission Limitation:

11.0 tons of NO_x as a rolling 12-month cumulative summation

Compliance shall be determined based upon the following formula:

E = A x B [1 ton / 2,000 lbs]

Where:
E = NO_x emission rate in tons per rolling 12-month period
A = emission rate as determined during the most recent stack test that demonstrated the emission unit to be in compliance, in pounds per hour (lbs/hr)
B = rolling 12-month summation of operating hours

6. Emission Limitation:

72.6 pounds of CO per hour

Applicable Compliance Method:

Compliance shall be determined by emission testing as specified in section E.14.

7. Emission Limitation:

72.6 tons of CO as a rolling 12-month cumulative summation

Compliance shall be determined based upon the following formula:

E = A x B [1 ton / 2,000 lbs]

Where:
E = CO emission rate in tons per rolling 12-month period
A = emission rate as determined during the most recent stack test that demonstrated the emission unit to be in compliance, in pounds per hour (lbs/hr)
B = rolling 12-month summation of operating hours

8. Emission Limitation:

38.6 pounds of SO_2 per hour

Applicable Compliance Method:

Compliance shall be determined by emission testing as specified in section E.14.

9. Emission Limitation:

38.6 tons of SO_2 as a rolling 12-month cumulative summation

Compliance shall be determined based upon the following formula:

E = A x B [1 ton / 2,000 lbs]

Where:
E = SO_2 emission rate in tons per rolling 12-month period
A = emission rate as determined during the most recent stack test that demonstrated the emission unit to be in compliance, in pounds per hour (lbs/hr)
B = rolling 12-month summation of operating hours

10. Emission Limitation:

20.5 pounds of VOC per hour

Applicable Compliance Method:

Compliance shall be determined by emission testing as specified in section E.14.

11. Emission Limitation:

20.5 tons of VOC as a rolling 12-month cumulative summation

Compliance shall be determined based upon the following formula:

E = A x B [1 ton / 2,000 lbs]

Where:
E = VOC emission rate in tons per rolling 12-month period
A = emission rate as determined during the most recent stack test that demonstrated the emission unit to be in compliance, in pounds per hour (lbs/hr)
B = rolling 12-month summation of operating hours

12. Emission Limitation:

Visible particulate emissions from the asphalt drum mixer stack shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

13. Emission Limitation:

Visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper shall not exceed 10 percent opacity as a 3-minute average.

Applicable Compliance Method:

Compliance shall be demonstrated by use of good engineering practices for the operations of this equipment. If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

14. The facility shall perform an initial stack test at a rate of production, RAP content, and fuel which

the facility wishes to establish as their maximum production rate, RAP content and worse-case fuel as follows:

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

a. The emission testing shall be conducted within 3 months after startup of this emissions unit.

b. The test shall be performed while burning #2 fuel oil.

c. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulates, NO_X, CO, VOC, SO_2, and for visible emissions.

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

Particulates	-	Method 5 of 40 CFR Part 60, Appendix A
NO_X	-	Method 7, 7E of 40 CFR Part 60, Appendix A
CO	-	Method 10 of 40 CFR Part 60, Appendix A
VOC	-	Method 18, 25, or 25A of 40 CFR Part 60, Appendix A
SO_2	-	Method 6 of 40 CFR Part 60, Appendix A
Visible emissions		Method 9 of 40 CFR Part 60, Appendix A

e. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by Ohio EPA's Northeast District Office, prior to test day.

f. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to Ohio EPA's Northeast District 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 Ohio EPA's Northeast District Office's refusal to accept the results of the emission test(s).

g. Personnel from Ohio EPA's Northeast District 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.

h. 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 Ohio EPA's Northeast District Office 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 Ohio EPA's Northeast District Office.

F. Miscellaneous Requirements

1. This emissions unit is subject to the applicable provisions of Subpart I of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60. The application and enforcement of these standards are delegated to Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

   Pursuant to the 40 CFR Part 60.7, the permittee 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
   Lazarus Government Center
   122 S. Front St.
   Columbus, OH 43215

   and

   Ohio Environmental Protection Agency
   Northeast District Office
   Division of Air Pollution Control
   2110 E. Aurora Rd.
   Twinsburg, OH 44087

2. This Air Permit to Install (PTI) replaces any previous PTIs issued for this emissions unit.

3. Modeling to demonstrate compliance with Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified PTI prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed threshold limit value (TLV) to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new PTI.

Emissions Unit ID: **T005**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T005 - 15,000 gallon fuel oil storage tank.	OAC rule 3745-31-05(A)(3)	0.1 ton per year of organic compound (OC) emissions
	OAC rule 3745-21-09(L)	Exempt (See Additional Terms and Conditions A.I.2.a.)
	40 CFR 60, Subpart Kb	Must meet recordkeeping requirements (See C.2.)

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the types of organic liquids stored in the tank Record retention shall in accordance with Part I, A.3. of this permit.

2. **NSPS REQUIREMENTS**

The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency (US EPA), 40

CFR Part 60, are delegated to the Ohio Environmental Protection Agency (Ohio EPA). The requirements of 40 CFR Part 60 are also federally enforceable.

In accordance with 40 CFR 60.116b (a) and (b), the owner and operator of the storage vessel (T005) shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

D. Reporting Requirements

None

E. Testing Requirements

1. Emission Limitation:
   0.01 ton per year of OC emissions

   Applicable Compliance Method:
   To demonstrate compliance with the annual limit of 0.01 ton per year of OC emissions, the permittee shall calculate the annual OC emissions in ton(s) per year using the latest version of US EPA's TANKS software (currently TANKS 4.0).

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T006 - 15,000 gallon on-spec used oil storage tank	OAC rule 3745-31-05(A)(3)	0.1 ton per year of organic compound (OC) emissions
	OAC rule 3745-21-09(L)	Exempt (See Additional Terms and Conditions A.I.2.a.)
	40 CFR 60, Subpart Kb	Must meet recordkeeping requirements (See C.2.)

2. Additional Terms and Conditions

2.a In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

B. Operational Restrictions

None

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records of the types of organic liquids stored in the tank Record retention shall in accordance with Part I, A.3. of this permit.

2. **NSPS REQUIREMENTS**

The application and enforcement of the provisions of the New Source Performance Standards

(NSPS), as promulgated by the United States Environmental Protection Agency (US EPA), 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency (Ohio EPA). The requirements of 40 CFR Part 60 are also federally enforceable.

In accordance with 40 CFR 60.116b (a) and (b), the owner and operator of the storage vessel (T006) shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source.

D. Reporting Requirements

None

E. Testing Requirements

1. Emission Limitation:
   0.1 ton per year of OC emissions

   Applicable Compliance Method:
   To demonstrate compliance with the annual limit of 0.1 ton per year of OC emissions, the permittee shall calculate the annual OC emissions in ton(s) per year using the latest version of US EPA's TANKS software (currently TANKS 4.0).

F. Miscellaneous Requirements

None