



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
RICHLAND COUNTY**

**CERTIFIED MAIL**

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 03-13972**

**DATE: 4/29/2003**

Kokosing Materials, Inc.  
Ralph Kyanko  
P.O. Box 334 17531 Waterford Road  
Fredericktown, OH 43019

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

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.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

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

cc: USEPA

NWDO



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**Permit To Install  
Terms and Conditions**

**Issue Date: 4/29/2003  
Effective Date: 4/29/2003**

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**FINAL PERMIT TO INSTALL 03-13972**

Application Number: 03-13972  
APS Premise Number: 0370010049  
Permit Fee: **\$1400**  
Name of Facility: Kokosing Materials, Inc.  
Person to Contact: Ralph Kyanko  
Address: P.O. Box 334 17531 Waterford Road  
Fredericktown, OH 43019

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**46 East Longview Avenue  
Mansfield, Ohio**

Description of proposed emissions unit(s):  
**Drum mix asphalt plant with baghouse, two asphalt storage tanks, and one waste oil fuel storage tank.**

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

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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**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 emissions unit(s) covered by this permit.

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#### **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**

| <u>Pollutant</u> | <u>Tons Per Year</u> |
|------------------|----------------------|
| PM               | 58                   |
| Fugitive PM      | 18                   |
| SO <sub>2</sub>  | 6                    |
| CO               | 228                  |
| NO <sub>x</sub>  | 46                   |
| VOC              | 56                   |

**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.

| <u>Operations, Property, and/or Equipment</u>                                 | <u>Applicable Rules/Requirements</u> |                        |
|---|--------------------------------------|------------------------|
| P901 - 400 ton per hour drum mix asphalt plant (natural gas) with a baghouse. | OAC rule 3745-31-05(A)(3)            | OAC rule 3745-23-06(B) |
|   | 40 CFR Part 60, Subpart I            | OAC rule 3745-21-07(B) |
|   | OAC rule 3745-17-11 (B)              |                        |
|   | OAC rule 3745-17-07(A)               |                        |
|   | OAC rule 3745-17-07 (B)              |                        |
|   | OAC rule 3745-17-08 (B)              |                        |
|   | OAC rule 3745-18-06(E)(2)            |                        |

Applicable Emissions  
Limitations/Control Measures

Stack Emissions:

PM - 13.20 lbs/hr and 58 TPY;  
Fugitive PM - 18 TPY;  
SO<sub>2</sub> - 1.4 lbs/hr and 6 TPY;  
NO<sub>x</sub> - 10.4 lbs/hr and 46 TPY;  
CO - 52 lbs/hr and 228 TPY; and  
VOC - 12.8 lbs/hr and 56 TPY.

see A.2.a

see A.2.f

0.04 gr PE/dscf of exhaust gas

Emissions from the baghouse stack shall not exhibit 20% opacity, or greater.

see A.2.d

see A.2.g

see A.2.c

see A.2.e

see A.2.d

see A.2.h

see A.2.h

**2. Additional Terms and Conditions**

**2.a** "Best Available Technology" (BAT) control requirements for this emissions unit has been determined to be the following:

- i. Use of baghouse for PE control of drum mix operations. The baghouse control system exhaust shall meet the requirements of 40 CFR Part 60, Subpart I (0.04 gr PE/dscf of exhaust gas) and shall achieve a 100% capture efficiency;
- ii. Use of best available control measures (see A.2.b)

**2.b** The permittee shall employ best available control measures to minimize or eliminate visible emissions of fugitive dust from emissions unit P901. If the inherent moisture in the asphalt plant raw material is not sufficient to comply with the opacity restrictions in section A.2.c., the permittee shall install equipment to apply water or any other suitable dust suppressant, at appropriate locations on the line.

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

**2.c** Visible fugitive particulate emissions from material handling operations for emissions unit P901 shall not exceed the following opacity restrictions:

| <b>Emission Point<br/>(company ID)</b>                                     | <b>Equipment Type</b> | <b>Opacity Limit as a<br/>three-Minute<br/>Average</b> | <b>Regulatory Basis for<br/>Limit</b> |
|--|-----------------------|--|---------------------------------------|
| material unloading<br>into feeder bins                                     | transfer point        | 20%  | OAC Rule 3745-17-07(B)                |
| material transfer from<br>feeder bin conveyor<br>to dryer feed<br>conveyor | transfer point        | 20%  | OAC Rule 3745-17-07(B)                |
| material transfer from<br>dryer feed conveyor<br>to dryer                  | transfer point        | 20%  | OAC Rule 3745-17-07(B)                |

**2.d** 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.e** The requirements established pursuant to this rule are less stringent than, or equal in stringency to, the control measure requirements in section A.2.b.

- 2.f The requirements of this rule also include compliance with 40 CFR Part 60, Subpart I, and OAC rule 3745-17-07(B).
- 2.g The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR Part 60, Subpart I.
- 2.h The permittee has satisfied the "latest available control techniques and operating practices required pursuant to OAC rule 3745-21-07 (B) and 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.
- 2.i The permittee may substitute recycled asphalt aggregates in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials introduced at any given time.
- 2.j The permittee shall only employ natural gas listed in the permit to install application. Any changes in the materials employed/combusted may be deemed a "modification" to the emissions unit and, as such will require prior notification to and approval from the Ohio EPA, Division of Air Pollution Control, Northwest District Office.
- 2.k The pressure drop across the baghouse shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation

## B. Operational Restrictions

None

## C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall install, 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 a daily basis.
2. Except as otherwise provided in this section, the permittee shall perform inspections of the fugitive material handling operations in accordance with the following frequencies:

material handling operation(s)

all material unloading into feeder bins

minimum inspection frequency

once during each day of operation

|   |                                   |
|---|-----------------------------------|
| all material transfer from feeder bin conveyor to dryer feed conveyor | once during each day of operation |
| all material transfer from dryer feed conveyor to dryer               | once during each day of operation |

3. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during times of asphaltic concrete production.
4. 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.
5. 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.

#### **D. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit deviation reports that identify any of the following occurrence:
  - a. each day during which an inspection was not performed by the required frequency; and
  - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
3. Deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

### **E. Testing Requirements**

1. Compliance with the emissions limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:  
0.04 gr PE/dscf of exhaust gas, 13.20 pounds particulate emissions (PE) per hour;

Applicable Compliance Method:  
Compliance shall be determined by testing requirements specified in section E.2.

- b. Emission Limitation:  
PM - 58 TPY

Applicable Compliance Method:  
The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the yearly limitation.

- c. Emission Limitation:  
Fugitive PM - 18 TPY

Applicable Compliance Method:  
The emission limitation was established by multiplying an AP-42 emission factor of 0.01 lb PE/ton of material loaded, in section 13.2.4.3 (1/95) by 400 TPH and multiplying by a maximum annual operating schedule of 8,760 hours per year, and dividing by 2,000 pounds.

- d. Emission Limitation:  
1.4 pounds sulfur dioxide (SO<sub>2</sub>) per hour

Applicable Compliance Method:  
Compliance shall be determined by testing requirements specified in section E.2.

- e. Emission Limitation:  
6 TPY sulfur dioxide (SO<sub>2</sub>) emissions

Applicable Compliance Method:  
The tons per year limitation was developed by multiplying the pounds per hour limitation

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Emissions Unit ID: **P901**

by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the yearly limitation.

- f. Emissions Limitation:  
10.4 pounds nitrogen oxide (NO<sub>x</sub>) per hour
- Applicable Compliance Method:  
Compliance shall be determined by testing requirements specified in section E.2.
- g. Emissions Limitation:  
46 TPY NO<sub>x</sub> emissions
- Applicable Compliance Method:  
The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the yearly limitation.
- h. Emissions Limitation:  
52 pounds carbon monoxide (CO) per hour
- Applicable Compliance Method:  
Compliance shall be determined by testing requirements specified in section E.2
- i. Emissions Limitation:  
228 TPY CO emissions
- Applicable Compliance Method:  
The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the yearly limitation.
- j. Emissions Limitation:  
12.8 pounds volatile organic compounds (VOC) per hour
- Applicable Compliance Method:  
Compliance shall be determined by testing requirements specified in section E.2.
- k. Emissions Limitation:  
56 TPY VOC emissions
- Applicable Compliance Method:

The tons per year limitation was developed by multiplying the pounds per hour limitation by the maximum operating schedule of 8,760 hours per year, and dividing by 2,000 pounds. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the yearly limitation.

- l. Emissions Limitation:  
Visible fugitive particulate emissions shall not exceed 20% opacity as a three-minute average

Applicable Compliance Method:

Compliance with the visible emission limitation for the material handling operation(s) identified above 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.

- m. Emission Limitation:  
Emissions from the baghouse stack shall not exhibit 20% opacity, or greater.

Applicable Compliance Method:

If required compliance shall be demonstrated in accordance with USEPA Reference Method 9 of 40 CFR Part 60, Appendix A.

2. 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 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial startup of the emissions unit.
  - b. The emission testing shall be conducted to demonstrate compliance with the following:
    - i. 13.20 lbs/hr PE
    - ii. 0.04 gr/dscf
    - iii. 1.4 lbs/hr SO<sub>2</sub>
    - iv. 52 lbs/hr CO

- v. 12.8 lbs/hr VOC
  - vi. 10.4 lbs/hr NOx
- c. The emission testing shall also be conducted to verify the following company supplied emission factors:
- i. lbs SO<sub>2</sub>/ton of product
  - ii. lbs NO<sub>x</sub>/ton of product
  - iii. lbs CO/ton of product
  - iv. lbs VOC/ton of product
- d. The following test method(s) shall be employed to demonstrate compliance with the above emission limitations and verify company supplied emission factors:
- i. Methods 1 - 4 of 40 CFR Part 60, Appendix A
  - ii. for PE & gr/dscf- Method 5, of 40 CFR Part 60, Appendix A.
  - iii. for SO<sub>2</sub>- Method 6, of CFR Part 60, Appendix A.
  - iv. for CO- Method 10, of CFR Part 60, Appendix A.
  - v. for NO<sub>x</sub>- Method 20, of CFR Part 60, Appendix A.
  - vi. for VOC- Method 18, 25, or 25A of CFR Part 60, Appendix A.

The test(s) shall be conducted while the emissions unit is operating at its maximum capacity unless otherwise specified or approved by the appropriate Ohio EPA District or local air agency.

- e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The company shall demonstrate in the "Intent to Test" what is "Worst Case" for particulate emissions. (e.g. "Virgin aggregate"/slag.) This "Worst Case" scenario shall be pre-approved by the Ohio EPA, Division of Air Pollution Control, Northwest District Office. The "Intent to Test" notification shall describe in detail the

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Emissions Unit ID: **P901**

proposed test methods and procedures, the emission 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 field office's refusal to accept the results of the emissions test(s).

- f. Personnel from the Ohio EPA, Northwest 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.
- g. 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 Ohio EPA, Northwest 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 the Ohio EPA, Northwest District Office.

**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.

| <u>Operations, Property,<br/>and/or Equipment</u>    | <u>Applicable Rules/Requirements</u>                  | <u>Applicable Emissions<br/>Limitations/Control Measures</u> |
|--|---|--|
| T005 - 30,000 gallon asphaltic concrete storage tank | OAC rule 3745-31-05(A)(3)                             | 0.04 tons/yr VOC   |
|  |   | Control Requirements (see A.2.a)<br>see A.2.c                |
|  | OAC rule 3745-21-09(L)                                | Exempt (see A.2.b)   |
|  | 40 CFR Part 60, Subpart Kb, sections 60.116b(a) & (b) | Recordkeeping requirements (see C.1)                         |

2. **Additional Terms and Conditions**

- 2.a The "Best Available Technology" (BAT) control requirements for this emissions unit has been determined to be the use of a submerged fill pipe.
- 2.b 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) because the tank has a capacity of less than 40,000 gallons.
- 2.c The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart Kb, sections 60.116b(a) & (b).

**B. Operational Restrictions**

1. The permittee shall not exceed an annual material throughput rate of 3,500,000 gallons.
2. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has an actual vapor pressure greater than 0.035 pounds per square inch absolute.

**C. Monitoring and/or Recordkeeping Requirements**

1. In accordance with 40 CFR 60.116b (a) and (b), the owner and operator of this emissions unit shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the emissions unit.
2. The permittee shall maintain monthly records of the amount of (gallons per month and total gallons, to date for the calendar year) of material throughput for this emissions unit.
3. For each day during which the permittee stores a liquid with an actual vapor pressure greater than 0.035 pounds per square inch absolute, the permittee shall maintain a record of the actual vapor pressure of the liquid stored in this emissions unit.

**D. Reporting Requirements**

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with an actual vapor pressure which is greater than 0.035 pounds per square inch, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the occurrence.
2. The permittee shall submit annual deviation (excursion) reports that identify any and all exceedances of the annual material throughput limitation, as well as the corrective actions taken to achieve compliance. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year.
3. Emissions unit T005 is subject to Subpart Kb 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 the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

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

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**Issued**

**Facility ID: 0370010049**

**Emissions Unit ID: T005**

- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date); and
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
Lazarus Government Building  
P. O. Box 1049  
Columbus, Ohio 43216-1049

and

Ohio EPA, Northwest District Office  
347 North Dunbridge Road  
Bowling Green, Ohio 43402

**E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 0.04 ton VOC/yr

Applicable Compliance Method: The ton per year emission limitation was established by working and breathing loss calculations as determined by U.S. EPA Tanks 4.0 program with a maximum annual material throughput of 3,500,000 gallons. Therefore provided compliance is shown with the maximum annual throughput, compliance with the ton per year limitation will be assumed. Compliance with the maximum annual throughput shall be demonstrated by the monitoring and recordkeeping specified in section C.2.

**F. Miscellaneous Requirements**

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

## **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.

| <u>Operations, Property,<br/>and/or Equipment</u>    | <u>Applicable Rules/Requirements</u>                 | <u>Applicable Emissions<br/>Limitations/Control Measures</u>              |
|--|--|---|
| T006 - 30,000 gallon asphaltic concrete storage tank | OAC rule 3745-31-05(A)(3)                            | 0.04 tons/yr VOC<br><br>Control Requirements (see A.2.a)<br><br>see A.2.c |
|  | OAC rule 3745-21-09(L)                               | Exempt (see A.2.b)  |
|  | 40 CFR Part 60, Subpart Kb, sections 60.116(a) & (b) | Recordkeeping requirements (see C.1)                                      |

### **2. Additional Terms and Conditions**

- 2.a The "Best Available Technology" (BAT) control requirements for this emissions unit has been determined to be the use of a submerged fill pipe.
- 2.b 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) because the tank has a capacity of less than 40,000 gallons.
- 2.c The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart Kb, sections 60.116(a) & (b).

### **B. Operational Restrictions**

1. The permittee shall not exceed an annual material throughput rate of 3,500,000 gallons.

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**Kokosing Materials, Inc.**  
**PTI Application: 02 13072**  
**Issued**

**Facility ID: 0370010049**

**Emissions Unit ID: T006**

2. The permittee shall not place, store, or hold in this fixed roof tank any petroleum liquid which, as stored, has an actual vapor pressure greater than 0.035 pounds per square inch absolute.

**C. Monitoring and/or Recordkeeping Requirements**

1. In accordance with 40 CFR 60.116b (a) and (b), the owner and operator of this emissions unit shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the emissions unit.
2. The permittee shall maintain monthly records of the amount of (gallons per month and total gallons, to date for the calendar year) of material throughput for this emissions unit.
3. For each day during which the permittee stores a liquid with an actual vapor pressure greater than 0.035 pounds per square inch absolute, the permittee shall maintain a record of the actual vapor pressure of the liquid stored in this emissions unit.

**D. Reporting Requirements**

1. If the permittee places, stores, or holds in the fixed roof tank any petroleum liquid with an actual vapor pressure which is greater than 0.035 pounds per square inch, the permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the occurrence.
2. The permittee shall submit annual deviation (excursion) reports that identify any and all exceedances of the annual material throughput limitation, as well as the corrective actions taken to achieve compliance. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year.
3. Emissions unit T006 is subject to Subpart Kb 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 the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

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

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

- b. actual start-up date (within 15 days after such date); and
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
Lazarus Government Building  
P. O. Box 1049  
Columbus, Ohio 43216-1049

and

Ohio EPA, Northwest District Office  
347 North Dunbridge Road  
Bowling Green, Ohio 43402

#### **E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 0.04 ton VOC/yr

Applicable Compliance Method: The ton per year emission limitation was established by working and breathing loss calculations as determined by U.S. EPA Tanks 4.0 program with a maximum annual material throughput of 3,500,000 gallons. Therefore provided compliance is shown with the maximum annual throughput, compliance with the ton per year limitation will be assumed. Compliance with the maximum annual throughput shall be demonstrated by the monitoring and recordkeeping specified in section C.2.

#### **F. Miscellaneous Requirements**

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

## 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.

| <u>Operations, Property,<br/>and/or Equipment</u> | <u>Applicable Rules/Requirements</u>                    | <u>Applicable Emissions<br/>Limitations/Control Measures</u>               |
|---|---|--|
| T007 - 15,000 gallon recycled oil storage tank.   | OAC rule 3745-31-05(A)(3)                               | 0.007 tons/yr VOC<br><br>Control Requirements (see A.2.a)<br><br>see A.2.c |
|   | OAC rule 3745-21-09(L)                                  | Exempt (see A.2.b)   |
|   | 40 CFR Part 60, Subpart Kb,<br>sections 60.116(a) & (b) | Recordkeeping requirements (see C.1)                                       |

### 2. Additional Terms and Conditions

- 2.a The "Best Available Technology" (BAT) control requirements for this emissions unit has been determined to be the use of a submerged fill pipe.
- 2.b 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) because the tank has a capacity of less than 40,000 gallons.
- 2.c The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart Kb, sections 60.116b(a) & (b).

### B. Operational Restrictions

1. The permittee shall not exceed an annual material throughput rate of 1,000,000 gallons.

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**Kokos**

**PTI A**

**Issued: 4/29/2003**

Emissions Unit ID: **T007**

**C. Monitoring and/or Recordkeeping Requirements**

1. In accordance with 40 CFR 60.116b (a) and (b), the owner and operator of this emissions unit shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the emissions unit.
2. The permittee shall maintain monthly records of the amount of (gallons per month and total gallons, to date for the calendar year) of material throughput for this emissions unit.

**D. Reporting Requirements**

1. The permittee shall submit annual deviation (excursion) reports that identify any and all exceedances of the annual material throughput limitation, as well as the corrective actions taken to achieve compliance. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year.
2. Emissions unit T007 is subject to Subpart Kb 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 the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

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

- a. construction date (no later than 30 days after such date);
- b. actual start-up date (within 15 days after such date); and
- c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
Lazarus Government Building  
P. O. Box 1049  
Columbus, Ohio 43216-1049

and

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**Kokos**

**PTI A**

**Issued: 4/29/2003**

Emissions Unit ID: **T007**

Ohio EPA, Northwest District Office  
347 North Dunbridge Road  
Bowling Green, Ohio 43402

#### **E. Testing Requirements**

1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation: 0.007 ton VOC/yr

Applicable Compliance Method: The ton per year emission limitation was established by working and breathing loss calculations as determined by U.S. EPA Tanks 4.0 program with a maximum annual material throughput of 1,000,000 gallons. Therefore provided compliance is shown with the maximum annual throughput, compliance with the ton per year limitation will be assumed. Compliance with the maximum annual throughput shall be demonstrated by the monitoring and recordkeeping specified in section C.2.

#### **F. Miscellaneous Requirements**

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