



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

RE: PERMIT TO INSTALL MODIFICATION
HENRY COUNTY
Application No: 03-11141

CERTIFIED MAIL

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
Subpart I, Subpart Kb	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 9/14/2000

Gerken Materials Inc
Jim Scheub
PO Box 607
Napoleon, OH 435450607

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

NWDO



ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-11141

Application Number: **03-11141**APS Premise Number: **0335000148**Permit Fee: **\$500**Name of Facility: **Gerken Materials Inc**Person to Contact: **Jim Scheub**Address: **PO Box 607****Napoleon, OH 435450607**

Location of proposed air contaminant source(s) [emissions unit(s)]:

9 - 051 U S Rte 24**Napoleon, OHIO**

Description of modification:

Modification to PTI #03-11141 to increase allowable emissions for P001 from 33.4 lbs/hr to 25.0 TPY VOC to 53.1 lbs/hr and 39.8 TPY VOC emissions.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCE(S)

The proposed source(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 are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Ohio 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 Ohio Administrative Code (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 prove to be inadequate or cannot meet applicable standards.

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 15 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be made at least 90 days prior to start-up of the source.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility

Page 4 of 21

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies.

Facility Name: **Gerken Materials Inc**Application Number: **03-11141**Date: **9/14/00**AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Gerken Materials Inc** located in **Henry** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio EPA Source <u>Number</u>	Source Identification <u>Description</u>	BAT <u>Determination</u>	Applicable Federal & <u>OAC Rules</u>	Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u>
P001	330 TPH portable drum mix asphalt plant	Compliance with the terms and conditions of this permit and use of baghouse	NSPS 40 CFR 60, Subpart I 3745-17-11	Particulate Emissions: 0.04 gr/dscf of exhaust gas, 11.39 pounds/hour, 8.54 tons/year *
			NSPS 40 CFR 60, Subpart I 3775-17-07	20 percent opacity as a six-minute average, except as provided by rule.
			3745-31-05 3745-18-06	Sulfur Dioxide Emissions: 39.0 pounds/hour 29.26 tons/year
			3745-31-05 3745-21-04	Carbon Monoxide Emissions: 100.2 pounds/hour, 75.1 tons/year
			3745-31-05 3745-23-06	Nitrogen Dioxide Emissions: 31.7 pounds/hour, 23.8 tons/year

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P001 Cont'd			3745-31-05	VOC Emissions: 53.1 pounds/hour 39.8 tons/year
			3745-21-07	
			3745-17-07	
				No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.
				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 elevator loading area.
				The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the

Facility Name: **Gerken Materials Inc**
 Application Number: **03-11141**
 Date: **9/14/00**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P001 Cont'd				<p>elevator and transfer point to the dryer.</p> <p>Less than or equal to 20 percent opacity as a three-minute average, for the fugitive dust emissions.</p>
F001	Plant paved and unpaved roadways and parking areas	Compliance with the terms and conditions of this permit.	3745-17-12	<p>Particulate Emissions: 51.58 tons/year There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period, and no visible particulate emissions from any unpaved roadway except for a period of time not to exceed 1 minute during any 60-minute observation period. Water spray for dust</p>

Facility Name: **Gerken Materials Inc**Application Number: **03-11141**Date: **9/14/00**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
F001 Cont'd				suppression, 10 mph speed restriction, recordkeeping.
F002	Storage piles	Compliance with terms and conditions of this permit.	3745-31-05	Particulate Emissions: 1.23 tons/year No visible emissions except for a period <1 minute/hour, water spray for dust suppression, minimize drop height.
T001	35000 gallon AC storage tank	Use of submerged fill and compliance with terms and conditions of this permit	3745-21-07 NSPS Subpart Kb 60.116	VOC Emissions: 0.001 ton/year
T002	15,000 gallon No. 2 fuel oil storage tank	Use of submerged fill and compliance with the terms and conditions of this permit.	3745-21-07 NSPS Subpart Kb 60.116	VOC Emissions: 0.022 ton/year

* The emissions limitation based on this applicable rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05.

Facility Name: **Gerken Materials Inc**
Application Number: **03-11141**
Date: **9/14/00**

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulate Emissions	61.35
Sulfur Dioxide	29.26
Carbon Monoxide	75.10
Nitrogen Dioxide	23.80
VOC	39.8

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
P001	330 TPH drum mix asphalt plant	I

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

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

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

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 163669
Columbus, OH 43216-3669

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

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

PERFORMANCE TEST REQUIREMENTS

The permittee shall conduct, or have conducted, performance testing on the air contaminant source(s) in accordance with procedures approved by the Agency. Two copies of the written report describing the test procedures followed and the results of such tests shall be submitted and signed by the person responsible for the test. The Director, or an Ohio EPA representative, shall be allowed to witness the test, examine testing equipment, and require the acquisition or submission of data and information necessary to assure that the source operation and testing procedures provide a valid characterization of the emissions from the source and/or the performance of the control equipment.

- A. A completed Intent to Test form shall be submitted to the appropriate Ohio EPA District Office or Local Air Pollution Control Agency where the original permit application was filed. This notice shall be made 30 days in advance and shall specify the source operating parameters, the proposed test procedures, and the time, date, place and person(s) conducting such tests.
- B. Two copies of the test results shall be submitted within 30 days after the completion of the performance test.
- C. Tests shall be performed for the following source(s) and pollutants(s):

<u>Source</u>	<u>Pollutant(s)</u>
P001	PM, SO₂, VOC

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

NEW SOURCE PERFORMANCE STANDARD SUBPART Kb

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 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 following storage vessel(s) shall keep readily accessible records showing the dimension of each storage vessel and an analysis showing the capacity of each storage vessel for the life of each source.

<u>Source Number(s)</u>	<u>Tank Size</u>
T001	35,000
T002	35,000

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

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

INTRODUCTION

Gerken Materials, Inc. is proposing to install a 330 TPH portable drum mix asphalt plant with a baghouse. The company is required to meet (BAT) NSPS CFR 60, Subpart I. The company's potential to emit is over 100 tons per year for SO₂, CO, and NO_x. Because of this, the company requests to have a production restriction to restrict the their potential to emit to under 100 tons per year for these pollutants.

A. EMISSION LIMITATIONS

1. No additional emissions limitations and/or control requirements. (See Air Summary for applicable emissions limitations and/or control requirements.)

B. OPERATIONAL RESTRICTIONS

P001

1. The maximum annual production rate for this emissions unit shall not exceed 495,000 tons.

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:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Production Rates/Tons</u>
1	125,000
1-2	250,000
1-3	375,000
1-4	495,000
1-5	495,000
1-6	495,000
1-7	495,000
1-8	495,000
1-9	495,000
1-10	495,000
1-11	495,000
1-12	495,000

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

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

limitation shall be based upon a rolling, 12-month summation of the production.

2. 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.
3. The permittee shall only employ materials/fuels 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.
4. The permittee shall maintain a pressure drop range of no less than 3 inches of water across the baghouse and no greater than 6 inches of water across the baghouse while the baghouse is in operation.

F001

1. The permittee shall apply dust suppressants to the paved roadways and parking areas for the purpose of ensuring compliance with applicable requirements of this permit. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by (flushing with water, sweeping, and/or watering) at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
2. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
3. The permittee shall apply dust suppressants to the unpaved roadways and parking areas for the purpose of ensuring compliance with applicable requirements of this permit. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with (water and/or any other suitable dust suppression chemicals) at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
4. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.

5. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
6. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension.

F002

1. Fugitive emissions resulting from wind disturbance of storage piles and areas around piles shall be minimized or eliminated by one or more of the following methods:
 - a. maintaining a sufficient moisture level in the stone;
 - b. use of a suitable dust suppressant; and,
 - c. use of wind block/screens.

Frequencies for employing these control measures shall be on a daily "as needed" basis, i.e., whenever visible emissions of fugitive dust are observed.

C. MONITORING/RECORDKEEPING REQUIREMENTS

P001

1. The permittee shall maintain monthly records of the following information:
 - a. the production rate for each month; and,
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the production rates.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative production rate for each calendar month.

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit P001 is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on daily basis.
3. Records showing the breakdown of the amount of each raw material used in each product mix.
4. Daily records showing the type and amount of each fuel combusted.
5. Fuel analysis from the supplier of each type of fuel at the site.
6. Records showing what types of asphalt being stored on site, the supplier of the asphalt, and an analysis of each asphalt from the supplier.

F001

7. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
 - a. the date dust suppressants were applied to the unpaved surfaces;
 - b. the portions of unpaved surfaces that were treated with dust suppressants;
 - c. the application rate of water and any chemical additives (gallons of each per square yard); and,
 - d. the name of the equipment operator responsible for the application of the dust suppressants.

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, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

D. REPORTING REQUIREMENTS

1. Quarterly written reports of any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

OAC rule 3745-15-06, that have been detected by testing, monitoring and recordkeeping requirements specified in this permit, the probable cause of such deviations, and any corrective actions or preventive measures taken, shall be promptly made to the Ohio EPA, Northwest District Office, Division of Air Pollution Control. These quarterly reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) and pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06.

2. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter.
3. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, October 31 of each year and shall cover the previous calendar quarters.
4. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

E. Testing Requirements

P001

Compliance Methods Requirements

1. Compliance with the emissions limitation(s) listed on Air Emission Summary page shall be determined in accordance with the following method(s):
 - a. Emission Limitation
0.04 gr/dscf particulates
Applicable Compliance Method
Compliance shall be based upon stack testing per OAC rule 3745-17-03 (B)(10).
 - b. Emissions Limitations
8.54 TPY particulates
Applicable Compliance Method

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

Compliance shall be based upon recordkeeping specified in the Recordkeeping Requirements section, and multiplying each 12-month production summation by the company provided emission factor of (0.034 lb/ton), and dividing by 2000 lbs/ton.

c. Emissions Limitation

39.0 lbs/hr SO₂

Applicable Compliance Method

Compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-18-04(E).

d. Emissions Limitation

29.2 tons/yr SO₂

Applicable Compliance Method

Compliance shall be based upon recordkeeping specified in the Recordkeeping Requirements, multiplying each 12-month production summation by the company provided emission factor of (0.12 lb/ton) and dividing by 2000 lbs/ton.

e. Emissions Limitation

31.7 lbs/hr NO_x

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of (330 lbs/hr) by the company supplied emission factor of (0.095 lb/ton.) If required, compliance shall be based on conducting a stack test with either USEPA Reference Method 7 or 7A (as appropriate), of 40 CFR Part 60, Appendix A.

f. Emissions Limitation

23.8 tons/yr NO_x

Applicable Compliance Method

Compliance shall be based on the recordkeeping specified in the Recordkeeping Requirements section, multiplying each 12-month production summation by the company supplied emission factor of (0.095 lb/ton), and dividing by 2000 lbs/ton.

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

g. Emissions Limitation

53.1 lbs/hr Organic Compounds

Applicable Compliance Method

Compliance shall be based on conducting a stack test in accordance with either USEPA Reference Method 25 or 25A (as appropriate), of 40 CFR Part 60, Appendix A.

h. Emissions Limitation

39.8 tons/yr Organic Compounds

Applicable Compliance Method

Compliance shall be based on the recordkeeping specified in the Recordkeeping Section, multiplying each 12-month production summation by the company supplied emission factor of (0.161 lb/ton), and dividing by 2000 lbs/ton.

i. Emissions Limitation

100.2 lbs/hr CO

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly production rate of (330 tons/hr) by the company supplied emission factor for CO (0.30 lb/ton). If required, compliance shall be based upon stack testing employing USEPA Reference Method 10 of 40 CFR Part 60, Appendix A.

j. Emissions Limitation

75.1 tons/yr CO

Applicable Compliance Method

Compliance shall be based on the recordkeeping specified in the Recordkeeping section, multiplying each 12-month production summation by the company supplied emission factor of (0.30 lb/ton), and dividing by 2000 lbs/ton.

k. Emissions Limitation

20 percent opacity as a 3-minute average

Applicable Compliance Method

OAC rule 3745-17-03(B)(3)

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

F001

Compliance Methods Requirements

1. Emissions Limitation

No visible emissions except for a period of time not to exceed one minute during any 60-minute observation period. (paved roadways)

No visible emissions except for a period of time not to exceed three minutes during any 60-minute observation period. (unpaved roadways)

Applicable Compliance Method

OAC 3745-17-03(B)(4)

F002

Compliance Methods Requirements

1. Emissions Limitation

No visible particulate emissions except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method

OAC 3745-17-03(B)(4)

T001

Compliance Methods Requirements

1. Emissions Methods Requirements

0.001 ton VOC/year

Applicable Compliance Method

AP-42 Table 4.3 emission factor for Working Loss and Breathing Loss.

T002

Compliance Methods Requirements

1. Emissions Methods Requirements

0.022 ton VOC/year

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

Applicable Compliance Method

AP-42 Table 4.3 emission factor for Working Loss and Breathing Loss.

F. PERFORMANCE TESTING REQUIREMENTS

P001

1. After installation and within 180 days after achieving the emission units maximum production rate, the permittee shall conduct, or have conducted, an emission test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for particulates. The particulates test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 5, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity. 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.

After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for sulfur dioxide. The sulfur dioxide test(s) shall be conducted in accordance with the test methods and procedures specified in "USEPA Reference Method 6, of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity.

After installation and within 180 days after achieving the emissions units maximum production rate, the permittee shall conduct, or have conducted, an emissions test(s) for this emissions unit in order to demonstrate compliance with the allowable mass emission rate(s) for organic compounds. The organic compound test(s) shall be conducted in accordance the test methods and procedures specified in "USEPA Reference Method 25 or 25A (as appropriate), of 40 CFR Part 60, Appendix A" while the emissions unit is operating at or near maximum capacity. The company shall demonstrate in the "Intent to Test" what is "Worst Case" for VOC emissions. (e.g. maximum allowed RAP/Slag content, highest organic content fuel and asphalt.) This "Worst Case" scenario shall be pre-approved by the Ohio EPA, Division of Air Pollution Control Northwest District Office.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emission unit operating

Facility Name: **Gerken Materials Inc**

Application Number: **03-11141**

Date: **9/14/00**

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 Ohio EPA, Northwest District Office's refusal to accept the results of the emissions test(s).

G. Miscellaneous Requirements

1. The terms and conditions in B and C of this permit are federally enforceable, pursuant to OAC rule 3745-35-07.
2. The permittee is hereby notified that this permit, and all agency records concerning the operation of this permitted emissions unit are subject to public disclosure in accordance with OAC rule 3745-49-03.
3. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" from 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-03 (A)(1)(p).