



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

P.O. Box 1049  
Columbus, OH 43216-1049

08/27/98

CERTIFIED MAIL

13-18-22-0278

RE: Final Chapter 3745-35 Permit To Operate

KENMORE ASPHALT PRODUCTS PLANT #1  
Dan Darden  
700 Home Avenue  
Akron, OH 44310

Dear Dan Darden:

The enclosed Permit(s) to Operate allow you to operate the described emissions unit(s) in the manner indicated in the Permit(s). Because each permit contains several terms and conditions, I urge you to read them 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 of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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 with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's 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. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. 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

If you have any questions, please contact the Cleveland Division of Air Pollution Control at (216) 664-2324.

Very truly yours,

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

cc: Cleveland Division of Air Pollution Control  
Jim Orlemann, DAPC Engineering  
Becky Castle, DAPC PMU

## PERMIT TO OPERATE AN EMISSIONS UNIT

Effective Date: 08/27/98

Facility ID: 13-18-22-0278

Expiration Date: 08/27/03

FINAL ISSUE

This document constitutes issuance for:

**KENMORE ASPHALT PRODUCTS PLANT #1**  
8200 Old Granger Road  
Garfield Heights, OH 44221

of a permit to operate for:

P901 (Asphalt batching plant)  
Batch plant-250 tph maximum capacity

### **PART I      General Terms & Conditions**

#### **1. Compliance Requirements**

The above-described emissions unit is and shall remain in full compliance with all applicable State and federal laws and regulations and the terms and conditions of this permit.

#### **2. Permit to Install Requirement**

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

#### **3. Reporting Requirements Related to Monitoring and Recordkeeping 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.)

**4. 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 three 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 the permit. Such records may be maintained in computerized form.

**5. 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 and federal 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.

**6. 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 unit 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 this emissions unit(s) that is (are) served by such control system(s).

**7. Permit Transfers**

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

**8. 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.

**9. Permit Renewal**

Approximately six months prior to the expiration date of this permit, a notice regarding the renewal of this permit will be sent to the permittee's designated facility contact. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency. It is the permittee's responsibility to renew this permit even if no notice of its expiration is received.

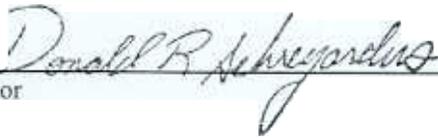
The following Ohio EPA District Office or local air agency has jurisdiction in the area in which the facility is located:

Cleveland Division of Air Pollution Control  
1925 St. Clair  
Cleveland, OH 44114  
(216) 664-2324

You will be contacted approximately six months prior to expiration date regarding the renewal of this permit. If you are not contacted, please contact the Cleveland Division of Air Pollution Control.

10. The permittee is also subject to the attached special terms and conditions.

OHIO ENVIRONMENTAL PROTECTION AGENCY

  
\_\_\_\_\_  
Director

**Part II: Special Terms and Conditions**

**A. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Rotary dryer, hot aggregate elevator, vibrating screens, and weigh hopper	OAC rule 3745-17-12	6.0 pounds per hour of particulate emissions from the baghouse stack.
	OAC rule 3745-17-07(A)	The visible emissions from the baghouse stack shall be less than or equal to 20 percent opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-17-08	There shall be no visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper.
Aggregate storage bins and cold aggregate elevator	OAC rule 3745-17-08 OAC rule 3745-17-07	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. These visible emissions of fugitive dust shall be less than or equal to 20 percent opacity, as a 3-minute average.
	OAC rule 3745-17-08	The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer.

**2. Additional Terms and Conditions**

- 2.a In accordance with OAC rule 3745-35-07, the following emission limitations also shall apply:
- i. NOx emissions shall be limited to 0.084 pound of NOx per ton of asphalt produced.
  - ii. NOx emissions shall be limited to 20.94 tons per year.
  - iii. SO2 emissions shall be limited to 0.09 pound of SO2 per ton of asphalt produced.
  - iv. SO2 emissions shall be limited to 22.56 tons per year.

**B. Operational Restrictions**

1. To ensure the baghouse is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, a pressure drop across the baghouse of not less than 3 or greater than 7 inches of water shall be maintained at all times.

**B. Operational Restrictions (continued)**

2. The maximum annual production rate for this emissions unit shall not exceed 500,000 tons, based upon a rolling, 12-month summation of the production rates.

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 Production (tons)
January	1,000
February	1,000
March	5,000
April	25,000
May	35,000
June	55,000
July	80,000
August	80,000
September	80,000
October	70,000
November	45,000
December	23,000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

3. The permittee shall employ only natural gas or electricity to heat the asphalt heater and asphalt dryer.

**C. Monitoring and/or Record Keeping Requirements**

1. The permittee shall properly operate and maintain a monitoring device capable of accurately measuring the pressure drop across the fabric filter.
2. The permittee shall check the pressure drop once each day and maintain daily records of the pressure drop readings.
3. The permittee shall maintain monthly records of the following information:
  - 3.a The production rate for each month.
  - 3.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.

**D. Reporting Requirements**

1. The permittee shall submit semi-annual reports which identify all exceedances of the above-mentioned allowable pressure drop range. These semi-annual written reports shall be submitted by January 31 and July 31 of each year for the previous six (6) calendar months.
2. The permittee shall submit semi-annual deviation (excursion) reports which identify all exceedances of the rolling, 12-month production rate limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable monthly production levels.
3. The permittee shall submit annual reports which identify the facility's total annual asphalt production and the total annual emissions of NOx and SO2 for the preceding calendar year. These reports shall be submitted by January 31 of each year.

## E. Testing Requirements

### 1. Applicable Compliance Method - Particulate Matter

Within six months prior to the expiration of this permit and at the beginning of the next asphalt season following the issuance of this permit, the permittee shall conduct, or have conducted, an emission test for this emissions unit in order to demonstrate compliance with the allowable mass emission rate for particulate matter. The particulate matter emissions test shall be conducted in accordance with the test methods and procedures specified in OAC rule 3745-17-03. The emissions test shall be conducted with a production rate at or near maximum capacity ( 250 tons of asphalt/hr ) using virgin materials.

Not later than thirty days prior to the proposed test date, this facility shall submit an "Intent to Test" notification to the Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the source operating parameters, the time and date of the test, and the person who will be conducting the test. Failure to submit such a notification for review and approval prior to the test may result in refusal to accept the results of the emission test.

Personnel from the Ohio EPA District Office or local air agency shall be permitted to witness the test, examine the testing equipment and acquire data and information regarding the source operating parameters.

A comprehensive written report on the results of the emission test shall be submitted within thirty days following completion of the test.

### 2. Applicable Compliance Method - NOx

To demonstrate compliance with the allowable mass emission rate for NOx, the emissions from the batch plant and asphalt heater shall be calculated using the emission factors from AP-42, Section 1.4, Table 1.4-2. The emissions from the Hot Elevator shall be calculated using the emissions factor from the 'Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants' under SCC 3-05-002-02.

The overall or total NOx emissions from these emissions units shall not be greater than the allowable NOx emission rate of 0.084 pound per ton (of asphalt produced), as calculated by the permittee. The permittee shall multiply the allowable NOx emission rate of 0.084 pound per ton by the actual annual production rate (in tons), and divide by 2000.

### 3. Applicable Compliance Method - SO2

To demonstrate compliance with the allowable mass emission rate for SO2, the emissions from the batch plant and asphalt heater shall be calculated using the emission factors from AP-42, Section 1.4, Table 1.4-2. The emissions from the Hot Elevator shall be calculated using the emissions factor from the 'Source Classification Codes and Emission Factor Listing for Criteria Air Pollutants' under SCC 3-05-002-02.

The overall or total SO2 emissions from these emissions units shall not be greater than the allowable SO2 emission rate of 0.090 pound per ton (of asphalt produced), as calculated by the permittee. The permittee shall multiply the allowable SO2 emission rate of 0.090 pound per ton by the actual annual production rate (in tons), and divide by 2000.

### 4. Applicable Compliance Method - Volatile organic compound (VOC)

To determine the mass emission rate for VOC, the permittee shall conduct, or have conducted, an emission test for this emissions unit at the beginning of the next asphalt season following the issuance of this permit. The volatile organic compound emissions test shall be conducted in accordance with the test methods and procedures specified in Method 25 or 25A of 40 CFR Part 60, Appendix A. The emissions test shall be conducted with a production rate at or near maximum capacity ( 250 tons of asphalt/hr ).

### 5. USEPA Method 9 shall be used to determine compliance with the 20 % opacity limitations (stack and fugitive).

### 6. Compliance with the no visible emission limitations shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

## F. Miscellaneous Requirements

### 1. Sections A through F of this permit are federally enforceable requirements, pursuant to OAC rule 3745-35-07.