



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

04/30/98

**CERTIFIED MAIL**

08-12-79-0387

**RE: Final Chapter 3745-35 Permit To Operate**

Ray Hensley, Inc.  
Greg Hanahan  
3790 Crabill Road  
Springfield Township, OH 45502

Dear Greg Hanahan

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. 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 RAPCA at (937) 225-4435

Very truly yours,

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

cc: RAPCA  
Jim Orlemann, DAPC Engineering  
Becky Castle, DAPC PMU



## PERMIT TO OPERATE AN EMISSIONS UNIT

Effective Date 04/30/98

Facility ID: 08-12-79-0387

Expiration Date: 04/30/03

FINAL ISSUE

This document constitutes issuance for:

Ray Hensley, Inc.  
3790 Crabill Road  
Springfield Township, OH 45502

of a permit to operate for:

P901 (Asphaltic Concrete Plant)  
Asphaltic Concrete Plant

### 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.

##### 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.

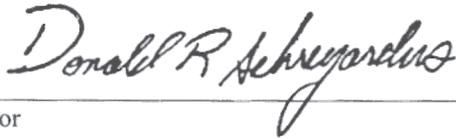
The following Ohio EPA District Office or local air agency has jurisdiction in the area in which the facility is located:

RAPCA  
451 West Third Street  
PO Box 972  
Dayton, OH 45422  
(937) 225-4435

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 appropriate DO or LAA.

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

OHIO ENVIRONMENTAL PROTECTION AGENCY

A handwritten signature in cursive script that reads "Donald R. Schreyer". The signature is written in black ink and is positioned above a horizontal line.

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>
Asphaltic Concrete Batch Plant: Rotary Dryer, Hot Aggregate Elevator, Vibrating Screens, and Weigh Hopper, 100 tons per hour with multicyclone scrubber.	a. OAC rule 3745-17-07 See F.3.	a. less than or equal to 20 percent opacity, as a 6-minute average, from the stack, except as provided by rule
	b. OAC rule 3745-35-07	b. 0.24 lb SO <sub>2</sub> /ton of asphalt produced and 6.0 TPY SO <sub>2</sub>  4.80 TPY Particulate  The tons/year limitation is based upon a rolling, 12-month summation
	c. OAC rule 3745-31-05 See F.3.	c. No visible emissions of fugitive dust from the enclosures for the hot aggregate elevator, vibrating screens, and weigh hopper.
	d. OAC rule 3745-17-11 See F.3.	d. 19.2 lbs/hr PM
	e. OAC rule 3745-31-05 See F.3.	e. 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 visible emissions of fugitive dust shall not exceed 20 percent opacity as a 3-minute average.  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.
Aggregate storage bins and cold aggregate elevator		

**2. Additional Terms and Conditions**

None

**B. Operational Restrictions**

1. The sulfur content of the oil burned in this emissions unit shall not exceed 0.5% (by weight).

**B. Operational Restrictions (continued)****2. Specifications for the Used Oil Burned in the Dryer**

All recycled, used oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Specifications*
arsenic	10 ppm, maximum
cadmium	5 ppm, maximum
chromium	30 ppm, maximum
lead	300 ppm, maximum
PCB's	50 ppm, maximum
total halogens	4000 ppm maximum
mercury	5 ppm, maximum
flash point	140 degrees Fahrenheit, minimum
heat content	135,000 Btu/gallon, minimum

\* Some or all of these used oil specifications exceed the Resource Conservation & Recovery Act Standards of 40 CFR Part 266.40 and OAC rule 3745-58-50, thereby making the used oil off-specification.

**3. The permittee may not receive or burn any used oil which does not meet the specifications listed above. An exceedance would be considered a violation of this permit and OAC rule 3745-31-02.****4. Additional Requirements for Any Used Oil Which Contains More Than 1000 PPM Total Halogens**

Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR 266.40(c) and OAC rule 3745-58-50. Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 5000 ppm, maximum) only if the supplier [marketer in 40 CFR 266.43(a)] has demonstrated to Ohio EPA's Division of Hazardous Waste Management that the used oil does not contain any hazardous waste.

**5. In accordance with Ohio Administrative Code (OAC) rule 3745-31-05(A)(2), this facility shall comply with all applicable laws as defined in OAC rule 3745-31-01(F). Therefore, this permit cannot exempt the facility from any current or future regulation regarding the disposal or recycling of used oil.****6. Used Oil On-Site Sampling/Analytical Requirements**

The permittee shall sample each incoming shipment of used oil. The sampling frequency for used oil shall be one properly labelled 500 ml sample for each truck or container delivery. The sample shall be taken and retained for at least 60 days.

Regional Air Pollution Control Agency may require and/or conduct periodic, detailed chemical analyses through an independent laboratory of any used oil received at this facility, of any sample retained, as required above, and of any storage tanks at this facility.

**B. Operational Restrictions (continued)**

7. The maximum annual production rate for this emissions unit shall not exceed 50,000 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:

Maximum Allowable Month	Cumulative Production
1	4,167 tons
1-2	8,334 tons
1-3	12,501 tons
1-4	16,668 tons
1-5	20,835 tons
1-6	25,000 tons
1-7	29,167 tons
1-8	33,334 tons
1-9	37,501 tons
1-10	41,668 tons
1-11	45,835 tons
1-12	50,000 tons

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.

8. The pressure drop for the primary venturi wet wash scrubber shall be maintained at not less than 4 inches of water. The pressure drop for the secondary dual horizontal spray chambers shall be maintained at not less than 14 inches of water.
9. The volume of water delivered to the scrubber system shall be maintained at not less than 3,000 gal/min.

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

1. The permittee shall receive a chemical analysis with each shipment of used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:
- date of shipment or delivery,
  - quantity of used oil received,
  - the Btu value of the used oil,
  - the flash point of the used oil,
  - the arsenic content,
  - the cadmium content,
  - the chromium content,
  - the lead content,
  - the PCB content,
  - the total halogen content,
  - the mercury content, and
  - the sulfur content.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request. The Director or any authorized representative of the Director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any used oil shipment received by this facility, of any used oil stored at this facility, or of any used oil sampled at the dryer.

2. The permittee shall maintain monthly records of the following information:
- The production rate for each month, in tons.
  - 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.

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Facility Name: Ray Hensley, Inc.  
Facility ID: 08-12-79-0387  
Emissions Unit: Asphaltic Concrete Plant (P901)

### C. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall properly operate and maintain equipment to continuously monitor the static pressure drop across the primary venturi wet wash scrubber and the secondary dual horizontal spray chamber while the emissions unit is in operation.

The permittee shall also operate and maintain equipment to continuously monitor scrubber water flow rate while the emissions unit is in operation.

The permittee shall collect and record the following information each day:

- a. The pressure drop across each scrubber, in inches of water, on a once/shift basis
- b. The scrubber water flow rate, in gallons per minute, on a once/shift basis.
- c. The operating times for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit.

### D. Reporting Requirements

1. The permittee shall in accordance with term 3.b. of the General Terms and Conditions submit deviation (excursion) reports which:
    - a. 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 cumulative production levels;
    - b. identify (by date, duration, and measurement values) all violations of the water flow rate and pressure drop limitations; and
    - c. identify all exceedances of the 0.5% by weight sulfur content requirement.
  2. The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil
- Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:
- a. the company has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and
  - b. the company will burn the used oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

A copy of each certification notice that the permittee sends to a marketer must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from that marketer.

### E. Testing Requirements

1. Compliance Methods  
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):
  - 1.a Emission Limitation-  
19.2 lb/hr PM  
  
Applicable Compliance Method-  
Compliance shall be based upon stack testing per OAC rule 3745-17-03(B)(10).
  - 1.b Emission Limitation-  
4.80 TPY Particulate  
  
Applicable Compliance Method-  
Compliance shall be determined by multiplying the average hourly emission rate in pounds per ton of asphaltic concrete production from the most recent compliance test by each 12-month production summation, and dividing by 2,000 lbs/ton. Until additional emission tests are conducted, the average emission rate of 0.192 lb/ton shall be used in this calculation.

## E. Testing Requirements (continued)

### 1.c Emission Limitation- 0.24 lb SO<sub>2</sub>/ton

Applicable Compliance Method-  
Compliance shall be based upon stack testing per OAC rule 3745-18-04(E) and maintaining compliance with the sulfur content of 0.5%, by weight.

### Emission Limitation- 6.0 TPY SO<sub>2</sub>

Applicable Compliance Method-  
Compliance shall be determined by multiplying the average hourly emission rate in pounds per ton of asphaltic concrete production from the most recent compliance test by each 12 - month production summation, and dividing by 2,000 lbs/ton. Until additional emission tests are conducted, the emission rate of 0.24 lb SO<sub>2</sub>/ton from AP-42 shall be used in this calculation.

### 1.d Emission Limitation- 6.0 TPY SO<sub>2</sub>

Applicable Compliance Method-  
Compliance shall be based on multiplying each 12-month production summation by the AP-42 emission factor for SO<sub>2</sub> (0.24 lb/ton), and dividing by 2,000 lbs/ton.

### 2.a Emission testing requirements

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

- i. The emission testing shall be conducted within 6 months prior to permit renewal.
- ii. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulate and sulfur dioxide.
- iii. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulates, Method 5 of 40 CFR Part 60, and for SO<sub>2</sub>, Method 6 of 40 CFR Part 60.
- iv. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

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

Personnel from the appropriate Ohio EPA District Office or local air agency 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.

- 2.b 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 appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency.

## F. Miscellaneous Requirements

1. This facility 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.
2. The terms and conditions in Section A through Section F of this permit are federally enforceable in accordance with OAC rule 3745-35-07.