



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION  
HAMILTON 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: 14-03756**

**DATE: 5/27/2004**

Valley Asphalt Corp  
Dan Crago  
11641 Mosteller Rd  
Cincinnati, OH 45241-1520

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  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely,

*Michael W. Ahern*

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

CC: USEPA

HCDES



**Permit To Install  
Terms and Conditions**

**Issue Date: 5/27/2004  
Effective Date: 5/27/2004**

**FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-03756**

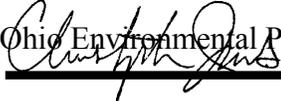
Application Number: 14-03756  
APS Premise Number: 1431073386  
Permit Fee: **\$0**  
Name of Facility: Valley Asphalt Corp  
Person to Contact: Dan Crago  
Address: 11641 Mosteller Rd  
Cincinnati, OH 45241-1520

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**612 W Mehring Way  
Cincinnati, Ohio**

Description of proposed emissions unit(s):  
**P901, 300 ton/hr Portable conventional asphaltic concrete plant, F002 Agregate storage piles, issued 1996, modified 2001.**

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

## 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

**Valley Asphalt Corp**  
**PTI Application: 14-03756**  
**Modification Issued: 5/27/2004**

**Facility ID: 1431073386**

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

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

**10. Public Disclosure**

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

**11. Applicability**

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

**12. Best Available Technology**

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

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

a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter

Valley Asphalt Corp

PTI Application: 14-03756

Modification Issued: 5/27/2004

Facility ID: 1431073386

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

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

#### 14. Construction Compliance Certification

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

#### 15. Fees

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

#### B. Permit to Install Summary of Allowable Emissions

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	19.0
PM10	5.8
SO2	22.0
NOx	30.0
CO	27.5
OC	3.75

7

**Valley Asphalt Corp**

**PTI Application: 14-03756**

**Modification Issued: 5/27/2004**

**Facility ID: 1431073386**

**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>	<u>Applicable Emissions Limitations/Control Measures</u>
F002 - Aggregate storage piles	OAC rule 3745-31-05(A)(3)	4.08 TPY PM 1.49 TPY PM10  See term A.2.a and A.2.b
	OAC rule 3745-17-07(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). See term A.2.a

**2. Additional Terms and Conditions**

- 2.a The permittee shall maintain the stored material in a moistened condition to minimize fugitive dust emissions.
- 2.b There shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.
- 2.c The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

All sand piles  
All aggregate piles  
All recycled asphalt pavement (RAP) piles

- 2.d** The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to keep the storage piles in a moistened condition to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- 2.f** The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed keep the storage piles in a moistened condition, to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.g** The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.h** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

## **B. Operational Restrictions**

None

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

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
All sand piles	Daily, when operating
All aggregate piles	Daily, when operating
All recycled asphalt pavement (RAP) piles	Daily, when operating

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
All sand piles	Daily, when operating
All aggregate piles	Daily, when operating
All recycled asphalt pavement (RAP) piles	Daily, when operating

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
All sand piles	Daily, when operating
All aggregate piles	Daily, when operating
All recycled asphalt pavement (RAP) piles	Daily, when operating

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. 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; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 6.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

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

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

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

Valley

PTI A

Emissions Unit ID: **F002**

**Modification Issued: 5/27/2004**

1. Compliance with the TPY PM and PM10 emission limitations in section A.1. shall be demonstrated by calculations using the emission factors (EF) from RACM, Table 2.1.2-5.
2. Compliance with the emission limitation(s) in term and condition A.1 of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

No visible particulate emissions, except for a total of one minute, during any 60 minute observation period.

Applicable Compliance Method:

If required, compliance 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"), as such Appendix existed on July 1, 2002.

**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, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>
P901 - 300 TPH portable convention asphaltic concrete plant	OAC rule 3745-31-05(A)(3)  40 CFR Part 60, Subpart I  OAC rule 3745-17-08(B)  OAC rules 3745-17-07(A)  OAC rule 3745-17-11(B)  OAC rule 3745-17-07(B)

	Applicable Emissions Limitations/Control Measures	
OAC rule 3745-35-07(B)	10.35 lbs/hr of PM and 4.14 lbs/hr of PM10 from the fabric filter exhaust stack when burning gas and oil	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	2.1 lbs/hr of PM, fugitive 1.0 lbs/hr of PM10, fugitive	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	When burning natural gas: 1.4 lbs/hr SO <sub>2</sub> ; 7.5 lbs/hr NO <sub>x</sub> ; 4.5 lbs/hr OC; 32.8 lbs/hr CO.	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
OAC rule 3745-23-06(B)	When burning #2 fuel oil or used oil:	
OAC rule 3745-21-08(B)	26.4 lbs/hr SO <sub>2</sub> ; 36 lbs/hr NO <sub>x</sub> ; 4.5 lbs/hr OC; 32.8 lbs/hr CO.	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	Visible particulate emissions from the stack shall not exceed 10 percent opacity, as a 6-minute average.	The visible emissions of fugitive dust from this emissions unit shall not exceed 20 percent opacity as a 3-minute average.
	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B), OAC rule 3745-17-08(B), OAC rule 3745-35-07(B), OAC rule 3745-23-06(B), OAC rule 3745-21-08(B) and 40 CFR Part 60, Subpart I. See terms A.2.g, A.2.h, and A.2.i.	27.5 TPY CO** 22.0 TPY SO <sub>2</sub> ** 30.0 TPY NO <sub>x</sub> ** 3.75 TPY OC** 13.25 TPY PM, stack** 3.45 TPY PM <sub>10</sub> , stack** 1.7 TPY PM, fugitive** 0.83 TPY PM <sub>10</sub> , fugitive**  ** based on a rolling, 12-month summation
	0.04 grains/dry standard cubic foot particulate emissions*	See term A.2.f
		See term A.2.f

**2. Additional Terms and Conditions**

- 2.a** \* The NSPS limitation of 0.04 gr/dscf is equivalent to the BAT-based limitation of 10.35 lbs/hr from the fabric filter during maximum production.
- 2.b** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the emission limitations, production limitations, use of a fabric filter, maintaining the aggregate in a moist condition and compliance with the NSPS rule.
- 2.c** All on spec, used oil burned in this emission unit shall meet the following specifications:

Contaminant/Property	Allowable Specification
Arsenic	5 ppm, maximum
Cadmium	2 ppm, maximum
Chromium	10 ppm, maximum
Lead	67 ppm, maximum
PCB's	10 ppm, maximum
Total Halogens	4000 ppm, maximum
Mercury	1 ppm, maximum
Flash Point	100 degrees Fahrenheit, minimum
Heat Content	135,000 BTU/gallon, minimum

- 2.d** 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 3745-279. Therefore, the permittee may receive and burn used oil exceeding 1000 ppm of total halogens (but less than 4000 ppm, maximum) only if the supplier ["marketer" in 40 CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Solid and Hazardous Waste Management that the used oil does not contain any hazardous waste.
- 2.e** All number 2 and on-spec used oil burned in this emissions unit shall have a sulfur content equal to or less than 0.5% by weight.
- 2.f** The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(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.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule

Emissions Unit ID: P901

revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to 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.g There shall be no visible emissions of fugitive dust from the enclosures for the hot aggregate elevator(s), vibrating screen(s), and weigh hopper(s).
- 2.h The drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate emissions of fugitive dust from the elevator loading area.
- 2.i The aggregate loaded into the storage bins shall have a moisture content sufficient to minimize or eliminate the visible emissions of fugitive dust from the elevator and the transfer point to the dryer.

## B. Operational Restrictions

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 6 inches of water, while the emissions unit is in operation.
- 2. The maximum asphaltic concrete production from this plant shall not exceed 300 tons/hour and 500,000 tons/year based upon a rolling, 12-month summation.
- 3. The permittee may substitute reclaimed asphalt pavement (RAP) in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials.

## C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the following information:
  - a. the asphalt production rate, in tons for each month;
  - b. the rolling, 12-month summation of the asphalt production rates, in tons; and
  - c. the maximum percentage RAP used for any mix.

2. The permittee shall properly 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.

3. 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:
  - a. date of shipment or delivery;
  - b. quantity of used oil received;
  - c. the Btu value of the used oil;
  - d. the flash point of the used oil;
  - e. the arsenic content, in ppm;
  - f. the cadmium content, in ppm;
  - g. the chromium content, in ppm;
  - h. the lead content, in ppm;
  - i. the PCB content, , in ppm;
  - j. the total halogen content, , in ppm; and
  - k. the mercury content, in ppm.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to the Hamilton County Department of Environmental Services or Ohio EPA 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.

4. For each number 2 fuel oil and used oil received for burning in emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analysis for sulfur content and heat content.
5. The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when weather conditions allow, for any visible particulate emissions from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper servicing this emissions unit. If visible particulate emissions are observed, the permittee shall note the following in the operation log:
  - a. the color of the visible particulate emissions;
  - b. the cause of the visible particulate emissions;

- c. the total duration of the visible particulate emission incident; and
- d. corrective actions taken to eliminate the visible particulate emissions.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned visible particulate emissions check frequency if operating experience indicates that less frequent checks would be sufficient to ensure compliance with the visible particulate emissions requirements.

6. The permittee shall perform daily visible emission checks, when the emissions unit is in operation and when the weather conditions allow, for any abnormal visible particulate emissions from the stack, aggregate storage bins and cold aggregate elevator/conveyor serving this emissions unit. If abnormal visible emissions are observed, the permittee shall note the following in the operation log:
  - a. the color of the abnormal visible particulate emissions;
  - b. the cause of the abnormal visible particulate emissions;
  - c. the total duration of any abnormal visible particulate emissions incident; and
  - d. any corrective actions taken to eliminate the abnormal visible particulate emissions.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency modify the above-mentioned visible particulate emissions check frequency if operating experience indicates that less frequent checks would be sufficient to ensure compliance with the visible particulate emissions requirements.

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

1. The permittee shall submit deviation reports which identify all exceedances of the rolling, 12-month asphalt production limitation in term B.2 and/or the RAP percentage limitation in term B.3.
2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in term B.1.
3. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-

- 03(A)(6). Approval of the planned relocation must be obtained from the Hamilton County DOES prior to the relocation.
4. The permittee shall submit annual reports which specify the total PM, SO<sub>2</sub>, NO<sub>x</sub>, VOC and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

**Modification Issued: 5/27/2004**

5. The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the specification in term A.2.c and/or OAC rule 3745-279-11. If the permittee burns used oil which exceeds the specifications found in OAC rule 3745-279-11, the permittee is subject to that rule and must comply with all provisions of the rule. The required notification shall be submitted within 30 days of the date in which the exceedance occurred.
6. The permittee shall submit quarterly deviation reports that identify all exceedances of the sulfur content limit in term A.2.e.
7. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:
  - a. identify all days during which any abnormal visible particulate emissions were observed from the stack, aggregate storage bins and cold aggregate elevator/conveyors serving this emissions unit;
  - b. identify all days during which any visible fugitive particulate emissions were observed from the enclosures for the hot aggregate elevator, vibrating screens and weigh hopper;
  - c. describe any corrective actions taken to eliminate the abnormal visible particulate emissions.
8. The 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 visible particulate emissions limitations shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emissions limitations in term A.1 shall be determined in accordance with the following methods:
  - a. Emission Limitation:
    - 7.5 lbs NO<sub>x</sub>/hr, when burning natural gas
    - 36 lbs NO<sub>x</sub>/hour, when burning oil
    - 1.4 lbs SO<sub>2</sub>/hr, when burning natural gas
    - 26.4 lbs SO<sub>2</sub>/hr, when burning oil
    - 4.5 lbs OC/hr, when burning gas and oil

Emissions Unit ID: P901

10.35 lbs PM/hr(stack)  
 4.14 lbs PM10/hr(stack)  
 2.1 lbs/hr of PM (fugitive)  
 1.0 lbs/hr of PM10 (fugitive)

Applicable Compliance Method:

Compliance with the emission limitations in lbs/hour shall be determined by multiplying the maximum production of 300 Tons/hour by the emission factors from AP-42, Tables 11.1-3, 11.1-7, 11.1-8, and 11.1-12 (12/00):

NO<sub>x</sub> emissions = 0.025 lb/ton produced, natural gas  
 NO<sub>x</sub> emissions = 0.12 lb/ton produced, oil  
 SO<sub>2</sub> emissions = 0.0046 lb/ton produced, natural gas  
 SO<sub>2</sub> emissions = 0.088 lb/ton produced, oil  
 VOC emissions = 0.015 lb/ton produced, oil and gas  
 PM emissions = 0.0345 lb/ton produced  
 PM10 emissions = 0.014 lb/ton produced

Compliance with the emission limitations in lbs/hour shall be determined by multiplying the maximum production of 300 Tons/hour by the emission factors from AP-42, Tables 11.12-2 for the fugitive emissions:

PM emissions = 0.0069 lb/ton  
 PM10 emissions = 0.0033 lb/ton

b. Emission Limitation:

32.8 lbs CO/hr, when burning gas and oil

Applicable Compliance Method:

Compliance with the emission limitations in lbs/hour shall be determined by multiplying the maximum production of 300 Tons/hour by the emission factors provided by the facility from stack tests of similar sources:

CO emissions = 0.11 lb/ton produced, oil and gas

c. Emission Limitation:

27.5 TPY CO\*

23

**Valley**

**PTI A**

**Modification Issued: 5/27/2004**

Emissions Unit ID: **P901**

30.0 TPY NO<sub>x</sub>\*

22.0 TPY SO<sub>2</sub>\*

3.75 TPY OC\*

13.25 TPY PM\*stack

3.45 TPY PM<sub>10</sub>\*stack

1.7 TPY PM, fugitive\*

0.83 TPY PM<sub>10</sub>, fugitive\*

\* based on a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the emission limitations in TPY shall be determined by multiplying the annual production rate from term C.1. by the emission factors from AP-42, Tables 11.1-3, 11.1-7 and 11.1-8, 11.1-12 (12/00) and Table 11.12-2 (10/01):

3. Compliance with the annual asphalt production limit in term B.2 shall be demonstrated by the record keeping in term C.1.
4. Compliance with the fabric filter pressure drop limitation in term B.1 shall be demonstrated by the recordkeeping in term C.2.
5. Compliance with used oil limitations in term A.2.c shall be determined by the recordkeeping in term C.3.

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

1. Notice to Relocate a Portable or Mobile Source
  - a. Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee may relocate a portable emissions unit within the State of Ohio without first obtaining a permit to install (PTI) provided the following criteria are met:
    - i. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
    - ii. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO), permit to install (PTI) or registration status;
    - iii. the permittee has provided proper notice of intent to relocate the portable emissions unit to Ohio EPA within a minimum of thirty days prior to the scheduled relocation; and
    - iv. in Ohio EPA's judgment, the proposed site is acceptable under OAC rule 3745-15-07.
  - b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee may relocate the portable emissions unit within the State of Ohio without first obtaining a PTI

provided the following criteria of OAC rule 3745-31-05(F) are met:

- i. the permittee possesses an Ohio EPA PTI, PTO or registration status for the portable emissions unit;
  - ii. the portable emissions unit is equipped with best available technology;
  - iii. the permittee has identified the proposed site to Ohio EPA;
  - iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
  - v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;
  - vi. the owner of the proposed site has provided the permittee with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
  - vii. the permittee has provided Ohio EPA with fifteen days written notice of the relocation.
2. Any site approval issued by Ohio EPA, pursuant to A.VI.1 above, shall be valid for no longer than three years and is subject to renewal.

In order for the Hamilton County Department of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall file a "Notice of Intent to Relocate," within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate Ohio EPA field office having jurisdiction over the new site.

Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate Ohio EPA field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in civil penalties.

3. The terms and conditions listed in this permit to install shall supercede all the air pollution control requirements for this emissions unit contained in permit to install 14-03756 as issued on January

31, 1996, and modified on July 29, 1998 and January 18, 2001.

4. The following terms and conditions of this permit are federally enforceable: A, B, C, D and E.