

**Synthetic Minor Determination and/or**  **Netting Determination**

Permit To Install Number 14-05331

A. Emissions Units Description

This Permit to Install (PTI 14-05331) covers a new 400 ton/hour asphalt drum plant (emissions unit P902) which is replacing an existing plant at this location. The permittee has applied for a federally enforceable Synthetic Minor PTI.

B. Facility Emissions an Attainment Status

The new asphalt plant will be located in Hamilton county which is currently a moderate non-attainment area for ozone and attainment for all other pollutants. The permittee requests to incorporate federally enforceable limitations in this PTI limiting VOC emissions to less than the major source thresholds to avoid the emissions offset policy.

C. Source Emissions

The PTI will limit the annual asphalt production in emissions unit P902 to 800,000 tons per year. This PTI will limit the emissions to the following: 25.2 TPY PM, 20.0 TPY PM10, 23.2 TPY SO<sub>2</sub>, 22.0 TPY NO<sub>x</sub>, 33.62 TPY VOC and 52.0 TPY CO. The facility will keep asphalt production records (rolling, 12-month) and submit reports as described in the PTI to ensure compliance with the emission and production limits.

D. Conclusion

The terms and conditions in this PTI will limit the potential emissions to less than the major source threshold for VOC. The permittee will maintain records and submit reports as outlined in the additional terms and conditions for this emissions unit to demonstrate compliance. Because the allowable VOC emissions are less than 100 TPY, the permittee will not be subject to the requirements of the Emissions Offset Policy or Part 70 Title V requirements.



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

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

Lazarus Gov. Center

**RE: DRAFT PERMIT TO INSTALL CERTIFIED MAIL  
HAMILTON COUNTY  
Application No: 14-05331**

**DATE:** 9/17/2002

Valley Asphalt Corporation  
Daniel Crago  
11641 Mosteller Rd  
Cincinnati, OH 45241

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$1300** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

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

CC: USEPA HCDES Ohio-KY-IN Reg Council of Gov KY IN



**Permit To Install  
Terms and Conditions**

**Issue Date: To be entered upon final issuance  
Effective Date: To be entered upon final issuance**

**DRAFT PERMIT TO INSTALL 14-05331**

Application Number: 14-05331  
APS Premise Number: 1431472592  
Permit Fee: **To be entered upon final issuance**  
Name of Facility: Valley Asphalt Corporation  
Person to Contact: Daniel Crago  
Address: 11641 Mosteller Rd  
Cincinnati, OH 45241

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**5073 Kilby Rd  
Cleves, Ohio**

Description of proposed emissions unit(s):  
**400 TPY Hot Mix Asphalt Drum Plant.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

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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 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.)

**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

**Valley Asphalt Corporation**

**PTI Application: 14-05331**

**Issued: To be entered upon final issuance**

**Facility ID: 1431472592**

information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

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

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may

lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio 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 application must be made to the Director for the installation or modification of any other emissions unit(s).

**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 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 thirty (30) 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>
VOC	33.62
CO	52.0
NOx	22.0
S02	23.2
PM	25.2
PM10	20.0
Arsenic	0.0002
cadmium	0.0002
chromium	0.002
lead	0.006
PCB	0.033
Mercury	0.001
HC1	0.084

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PTI /

Emissions Unit ID: **P902**

**Issued: To be entered upon final issuance**

**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.

Operations, Property,  
and/or Equipment

Applicable Rules/Requirements

P902 - 400 TPH Hot Mix Asphalt OAC rule 3745-31-05 (A)(3)  
Drum Plant.

OAC rule 3745-31-05(D)

40 CFR Part 60, Subpart I

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	<u>Applicable Emissions Limitations/Control Measures</u>	
OAC rule 3745-17-07 (A)	13.2 lbs PM/hr from stack emissions 9.2 lbs PM10/hr from stack emissions	emissions* 12.0 TPY PM from fugitive emissions* 10.8 TPY PM10 from fugitive emissions*
OAC rule 3745-17-07 (B)	12.0 lbs PM/hr from fugitive emissions 10.8 lbs PM10/hr from fugitive emissions	52.0 TPY CO* 22.0 TPY NOx* 23.2 TPY SO2* 33.2 TPY VOC* 0.0002 TPY arsenic* 0.0002 TPY cadmium*
OAC rule 3745-17-08(B)	52.0 lbs CO/hr, 22.0 lbs NOx/hr,	0.002 TPY chromium* 0.006 TPY lead*
OAC rule 3745-17-11	23.2 lbs SO2/hr, 27.6 lbs VOC/hr,	0.033 TPY PCB* 0.001 TPY Mercury* 0.084 TPY HCl*
OAC rule 3745-18-06(E)	0.0002 lb arsenic/hr 0.0002 lb cadmium/hr 0.0022 lb chromium/hr 0.006 lb lead/hr 0.033 lb PCB/hr 0.001 lb Mercury/hr 0.084 lb HCl/hour  See term A.2.b.  The requirements of this rule also include compliance with the requirements of 40 CFR Part 60, Subpart I and OAC rules 3745-17-07(B), 3745-17-08(B) and 3745-31-05(D).	See term B.2.  0.04 grain PM per dry standard cubic foot of exhaust gases.  The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).  The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).  See term A.2.c
	13.20 TPY PM from stack emissions* 9.2 TPY PM10 from stack	See terms A.2.d - A.2.e The emission limitation specified by

this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

\* based on a rolling, 12-month summation

**2. Additional Terms and Conditions**

- 2.a** 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.b** Visible particulate emissions from any stack associated with emissions unit P902 shall not exceed 10% opacity, as a six-minute average, except as provided by rule.
- 2.c** Visible particulate emissions from any fugitive dust emissions point shall not exceed 20 % opacity, as a three-minute average.
- 2.d** 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.
- 2.e** 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.
- 2.f** 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.
- 2.g** The hourly emission limitations outlined in term A.1. are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance

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with these limits.

- 2.h** All recycled, used oil burned in emissions unit P902 shall meet the following specifications:

Contaminant/Property Allowable Specifications

arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	60 ppm, maximum
PCB's	10 ppm, maximum*
total halogens	4000 ppm maximum
mercury	1 ppm, maximum
flash point	100°F, minimum
heat content	135,000 Btu/gallon, minimum

\* If the permittee is burning used oil with any quantifiable level (2 ppm) of PCB's, then the permittee is subject to the notification requirements of 40 CFR 279.62.

- 2.i** Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under 40 CFR Part 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 Part CFR 266.43(a)] has demonstrated to the Ohio EPA's Division of Hazardous Waste Management that the used oil does not contain any hazardous waste.

**B. Operational Restrictions**

1. The pressure drop across the fabric filter shall be maintained within a range measured by the most recent performance test which demonstrated compliance.
2. The maximum annual asphalt production rate for this emissions unit shall not exceed 800,000 tons per year, 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

<u>Month(s)</u>	<u>Cumulative Production (Tons)</u>
1	200,000
1-2	200,000
1-3	300,000
1-4	300,000
1-5	380,000
1-6	400,000
1-7	466,668
1-8	532,800
1-9	600,000
1-10	666,640
1-11	733,333
1-12	800,000

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 may not receive or burn any #2 fuel oil and/or used oil which has a sulfur content greater than 0.50 percent.
4. The permittee may substitute recycled asphalt aggregates (RAP) in the raw material feed mix in amounts not to exceed 50 percent of all aggregate materials introduced at any given time, based on a monthly average.
5. 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 Hamilton County Department of Environmental Services.
6. The burning of hazardous waste is prohibited without first complying with all applicable state and federal hazardous waste and air regulations and permits.

### C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the fabric filter 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 fabric filter on daily basis.

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2. The permittee shall maintain monthly records of the following information:
  - a. The asphalt production rate for each month.
  - b. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the asphalt production rates.
  - c. The amount of recycle asphalt used.
  - d. The average percentage of recycle asphalt used (c. divided by a. multiplied by 100).

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

3. For each shipment of #2 fuel oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittees or oil supplier's analyses for sulfur content and heat content.
4. 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. The date of shipment or delivery.
  - b. The quantity of used oil received (gallons).
  - c. The Btu value of the used oil, in BTU/gallon.
  - d. The flash point of the used oil in degrees F.
  - 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.
  - 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 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

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oil sampled at the dryer.

5. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

**D. Reporting Requirements**

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term B.1.
2. The permittee shall submit deviation reports that identify any exceedances of the rolling, 12-month summation asphalt production 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.
3. The permittee shall submit deviation reports that identify any exceedances of the RAP limitation in term B.4.
4. The permittee shall submit annual reports which specify the total PM, PM10, 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 January 30 of each year.

5. The permittee shall submit deviation reports that identify any exceedances of the used oil specifications in term A.2.h.
6. The permittee shall submit deviation reports that identify any exceedances of the sulfur content limit in term B.3.
7. The permittee shall notify the USEPA and the Ohio EPA if any of the used oil exceeds the oil specifications found in OAC rule 3745-279-11. If the permittee is burning 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 that rule.
8. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
9. 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

Hamilton County Department of Environmental Services  
250 William Howard Taft Rd  
Cincinnati, OH 45219

## E. Testing Requirements

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Emissions Unit ID: **P902**

**Issued: To be entered upon final issuance**

1. Compliance with the visible particulate emissions limitations in terms A.2.b and A.2.c shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.

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2. Compliance with the emissions limitations in term A.1 shall be determined in accordance with the following methods:

a. Emission Limitation:

- 52.0 lbs CO/hr,
- 22.0 lbs NO<sub>x</sub>/hr,
- 23.2 lbs SO<sub>2</sub>/hr,
- 27.6 lbs VOC/hr,
- 0.0002 lb arsenic/hr
- 0.0002 lb cadmium/hr
- 0.0022 lb chromium/hr
- 0.006 lb lead/hr
- 0.033 lb PCB/hr
- 0.001 lb Mercury/hr
- 0.084 lb HCl/hour

Applicable Compliance Method:

Compliance with the emission limitations in lbs/hour shall be determined by multiplying the maximum production of 400 Tons/hour by the emission factors from AP-42, Tables 11.1-3, 11.1-7 and 11.1-8 and 11.1-12 (12/00):

- CO emissions = 0.13 lb/ton produced
- NO<sub>x</sub> emissions = 0.055 lb/ton produced
- SO<sub>2</sub> emissions = 0.058 lb/ton produced
- VOC emissions = Based on a previous performance test
- Arsenic emissions =  $5.6 \times 10^{-7}$  lb/ton produced
- Cadmium emissions =  $4.1 \times 10^{-7}$  lb/ton produced
- Chromium emissions =  $5.5 \times 10^{-6}$  lb/ton produced
- Lead emissions =  $1.5 \times 10^{-5}$  lb/ton produced
- PCB emissions =  $8.2 \times 10^{-5}$  lb/ton produced
- Mercury emissions =  $2.6 \times 10^{-6}$  lb/ton produced
- HCl emissions =  $2.1 \times 10^{-4}$  lb/ton produced

b. Emission Limitation:

- 52.0 TPY CO\*
- 22.0 TPY NO<sub>x</sub>\*

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23.2 TPY SO<sub>2</sub>\*  
33.2 TPY VOC\*  
0.0002 TPY arsenic\*  
0.0002 TPY cadmium\*  
0.002 TPY chromium\*  
0.006 TPY lead\*  
0.033 TPY PCB\*  
0.001 TPY Mercury\*  
0.084 TPY HCl\*

\* 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.2. by the emission factors from AP-42, Tables 11.1-3, 11.1-7 and 11.1-8 and 11.1-12 (12/00):

3. Compliance with the annual asphalt production limit in term B.2 shall be demonstrated by the record keeping in term C.2.
4. Compliance with the fabric filter pressure drop limitation in term B.1 shall be demonstrated by the recordkeeping in term C.1.
5. Compliance with used oil limitations in term A.2.h shall be determined by the recordkeeping in term C.4.
6. The permittee shall conduct, or have conducted, emission testing for emissions unit P902 in accordance with the following requirements:
  - a. The emission testing shall be conducted within 60 days after achieving the maximum production rate but no later than 180 days after issuance of this permit;
  - b. The emission testing shall be conducted to demonstrate compliance with the particulate, carbon monoxide, nitrogen oxide and volatile organic compound emission limits.
  - c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for particulate, Method 5 of 40 CFR Part 60, Appendix A, for carbon monoxide, Method 10 of 40 CFR Part 60, Appendix A, for nitrogen oxide, Method 7 of 40 CFR Part 60, Appendix A, for organic compounds Method 25 of 40 CFR

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Part 60, Appendix A- if applicable. Alternative U.S. EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services.

- d. 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.

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. The following terms and conditions of this permit are federally enforceable: A., B., C., D. and E.
2. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to

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Emissions Unit ID: **P902**

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above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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Emissions Unit ID: T001

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**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>
T001 - 20,000 Gallon Asphalt Cement Tank	OAC rule 3745-31-05(A)(3)	0.28 TPY VOC
	40 CFR Part 60 Subpart Kb	The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart Kb.  See term C.1.
	OAC rule 3745-21-09(L)(2)(a)	Exempt

**2. Additional Terms and Conditions**

- 2.a 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.
- 2.b Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of submerged fill, minimal emissions and compliance with 40 CFR Part 60 Subpart Kb.
- 2.c The annual emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records or reports are required to demonstrate compliance

with these limits.

**B. Operational Restrictions**

None.

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

1. In accordance with 40 CFR Part 60.116b (a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the storage vessel.

**D. Reporting Requirements**

1. 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, Ohio 43216-3669

and

Hamilton County Department of Environmental Services  
250 William Howard Taft Road  
Cincinnati, Ohio 45219

**E. Testing Requirements**

1. Compliance with the emission limitations specified in this permit shall be determined in

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accordance with the following methods:

Emission Limitations-  
0.28 TPY of VOC

Compliance Method

Compliance may be demonstrated by the equations found in AP-42, Fifth Edition, Volume I, Chapter 7: Liquid Storage Tanks, September 1997.

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Emissions Unit ID: **T001**

**F. Miscellaneous Requirements**

None

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Emissions Unit ID: T002

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**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>
T002 - 20,000 Gallon Number 4 Fuel Oil Tank	OAC rule 3745-31-05(A)(3)	0.07 TPY VOC  The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart Kb.
	40 CFR Part 60 Subpart Kb	See term C.1.
	OAC rule 3745-21-09(L)(2)(a)	Exempt

**2. Additional Terms and Conditions**

- 2.a 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.
- 2.b Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of submerged fill, minimal emissions and compliance with 40 CFR Part 60 Subpart Kb.
- 2.c The annual emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records or reports are required to demonstrate compliance with these limits.

**B. Operational Restrictions**

None.

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

1. In accordance with 40 CFR Part 60.116b (a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the storage vessel.

**D. Reporting Requirements**

1. 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, Ohio 43216-3669

and

Hamilton County Department of Environmental Services  
250 William Howard Taft Road  
Cincinnati, Ohio 45219

**E. Testing Requirements**

1. Compliance with the emission limitations specified in this permit shall be determined in accordance with the following methods:

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**PTI**  
**Issue**

**Facility ID: 1431472592**

**Emissions Unit ID: T002**

Emission Limitations-  
0.07 TPY of VOC

Compliance Method

Compliance may be demonstrated by the equations found in AP-42, Fifth Edition, Volume I, Chapter 7: Liquid Storage Tanks, September 1997.

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Emissions Unit ID: **T002**

**F. Miscellaneous Requirements**

None

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Emissions Unit ID: T003

Issued: To be entered upon final issuance

**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>
T003 - 20,000 Gallon Number 2 Fuel Oil Tank	OAC rule 3745-31-05(A)(3)	0.07 TPY VOC  The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart Kb.
	40 CFR Part 60 Subpart Kb	See term C.1
	OAC rule 3745-21-09(L)(2)(a)	Exempt

**2. Additional Terms and Conditions**

- 2.a 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.
- 2.b Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of submerged fill, minimal emissions and compliance with 40 CFR Part 60 Subpart Kb.
- 2.c The annual emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no records or reports are required to demonstrate compliance

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Emissions Unit ID: T003

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with these limits.

**B. Operational Restrictions**

None.

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

1. In accordance with 40 CFR Part 60.116b (a) and (b), the permittee shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the storage vessel.

**D. Reporting Requirements**

1. 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, Ohio 43216-3669

and

Hamilton County Department of Environmental Services  
250 William Howard Taft Road  
Cincinnati, Ohio 45219

**E. Testing Requirements**

Emissions Unit ID: **T003**

1. Compliance with the emission limitations specified in this permit shall be determined in accordance with the following methods:

Emission Limitations-  
0.07 TPY of VOC

**Compliance Method**

Compliance may be demonstrated by the equations found in AP-42, Fifth Edition, Volume I, Chapter 7: Liquid Storage Tanks, September 1997.

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Emissions Unit ID: **T003**

**F. Miscellaneous Requirements**

None