



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
WARREN 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: 14-05238**

**DATE: 4/11/2002**

Job Enterprises, Inc.  
Joseph Paulin  
11175 Reading Road  
Cincinnati, OH 45241

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it 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 by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

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

cc: USEPA

HCDES



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**Permit To Install  
Terms and Conditions**

**Issue Date: 4/11/2002  
Effective Date: 4/11/2002**

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**FINAL PERMIT TO INSTALL 14-05238**

Application Number: 14-05238  
APS Premise Number: 1483110432  
Permit Fee: **\$1400**  
Name of Facility: Job Enterprises, Inc.  
Person to Contact: Joseph Paulin  
Address: 11175 Reading Road  
Cincinnati, OH 45241

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**4764 Stubbs Mill Road  
Morrow, Ohio**

Description of proposed emissions unit(s):  
**New installation of Portable Asphalt Plant and associated Roadways, Parking Areas and Storage Piles.**

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

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

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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 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

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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**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 emissions unit(s) covered by this permit.

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#### **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	11.12
PM10	2.86
SO2	5.6
NOx	7.5
OC	6.9
CO	3.6

**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>
F001 - Material Storage Piles	OAC rule 3745-31-05(A)(3)	0.85 TPY PM 0.43 TPY PM10  See terms A.2.a, A.2.b., B.1. and B.2.

**2. Additional Terms and Conditions**

- 2.a There shall be no visible particulate emissions of fugitive dust from the material storage piles except for a period of time not to exceed one minute during any sixty-minute observation period.
- 2.b All sand and aggregate storage piles shall contain sufficient moisture so as to minimize or eliminate visible emissions of fugitive dust caused by wind erosion.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the visible emission limitations and compliance with the Operational Restrictions in terms B.1. and B.2.

**B. Operational Restrictions**

- 1. The permittee shall limit the drop height of the front-end loaders to fifteen (15) feet or less during the loading onto and the load-out from all sand and aggregate storage piles.
- 2. The permittee shall maintain all sand and aggregate storage piles at a minimal height such as is practical to the operation.

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

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**Job E1**

**PTI A**

**Issued: 4/11/2002**

Emissions Unit ID: **F001**

None

**D. Reporting Requirements**

None

**E. Testing Requirements**

1. Emissions Limits

0.85 TPY PM  
0.43 TPY PM10

Compliance with the PM and PM10 emissions limitations shall be determined by applying the actual amount of material loaded and unloaded to the storage piles (tons/year) in Equation 1 in AP-42 13.2.4 (1/95, Fifth Edition) for loading operations. Additionally, the permittee shall employ the equation from the Ohio EPA memo dated July 7, 1999 "Guidance regarding aggregate processing plants" to calculate PM and PM10 emissions from wind erosion.

2. Compliance with the fugitive visible particulate emission limitations shall be demonstrated by the methods outlined in 40 CFR Part 60 Appendix A, Method 22.

**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 - Unpaved Roadways and Parking Areas	OAC rule 3745-31-05(A)(3)	4.51 TPY PM and 0.91 TPY PM <sub>10</sub> from unpaved roadways and parking areas  See terms A.2.a through A.2.i

**2. Additional Terms and Conditions**

- 2.a All unpaved roadways and parking areas are covered by this permit and subject to the above-mentioned requirements.
- 2.b There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any sixty-minute observation period.
- 2.c The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the unpaved roadways and parking areas with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.d Any unpaved roadways or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using water. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for

Emissions Unit ID: **F002**

unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.

- 2.e** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area 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. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.f** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.g** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.h** The permittee shall post and enforce on the property, a maximum speed limit of 10 miles per hour.
- 2.i** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the application of the control measures in accordance with the terms and conditions of this permit and compliance with the visible emissions limitations.

**B. Operational Restrictions**

None

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

1. The permittee shall perform daily inspections of all unpaved roadways and parking areas.
2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area 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. 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.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. 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 the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. 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**

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**Issued**

**Facility ID: 1483110432**

**Emissions Unit ID: F002**

1. Emissions Limits

4.51 TPY PM  
0.91 TPY PM<sub>10</sub>

Compliance with the PM and PM<sub>10</sub> emissions limitations shall be demonstrated by employing Equation 2 in AP-42, Section 13.2.2 (9/98, Fifth Edition) for unpaved roads and the actual annual vehicular miles traveled (VMT).

2. Compliance with the visible emissions limitation for the unpaved roadways and parking areas identified above 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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

**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 - 225 TPH Portable Drum Mixer Asphaltic Concrete Plant with Fabric Filter	OAC rule 3745-31-05(A)(3)
	OAC rule 3745-35-07(B)

	<u>Applicable Emissions                      Limitations/Control Measures</u>	
<p>40 CFR Part 60, Subpart I</p>	<p>9.9 pounds PM/hour from stack emissions                      1.9 pounds PM<sub>10</sub>/hour from stack emissions                      3.1 pounds PM/hour (fugitive emissions from material handling)                      1.5 pounds PM<sub>10</sub>/hour (fugitive emissions from material handling)</p>	<p>6.9 TPY* OC                      See term B.2                      0.04 grain PM/dscf                      The opacity limitation specified by this rule is less stringent than the opacity limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
<p>OAC rule 3745-17-07(A)(1)</p>	<p>8.1 pounds CO/hour,                      16.9 pounds NO<sub>x</sub>/hour,                      12.6 pounds SO<sub>2</sub>/hour,                      15.5 pounds OC/hour,                      See terms A.2.b - A.2.f</p>	<p>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).</p>
<p>OAC rule 3745-17-11(B)</p>	<p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart I and OAC rule 3745-35-07(B)</p>	<p>* The TPY emission limitations are based on a rolling, 12-month summation.</p>
	<p>4.38 TPY* PM from stack emissions                      0.86 TPY* PM<sub>10</sub> from stack emissions                      1.38 TPY* PM from fugitive emissions                      0.66 TPY* PM<sub>10</sub> from fugitive emissions                      3.6 TPY* CO                      7.5 TPY* NO<sub>x</sub>                      5.6 TPY* SO<sub>2</sub></p>	

## **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, and the use of a fabric filter.
- 2.b** Visible particulate emissions from any stack associated with emissions unit P901 shall not exceed 10% percent opacity, as a six-minute average, except as specified by rule.
- 2.c** Visible particulate emissions from any fugitive dust emissions point associated with emissions unit P901 shall not exceed 20% percent 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 cold feed bins.
- 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 with these limits.

## **B. Operational Restrictions**

- 1. To ensure the baghouse is operated according to the manufacturer's specifications and to maintain compliance with the allowable particulate emission rate, the pressure drop across the baghouse shall be maintained within the range established during the most recent emissions test that demonstrated that emissions unit P901 was in compliance.
- 2. The maximum annual asphalt production rate for emissions unit P901 shall not exceed 200,000 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 startup of emissions unit P901, the permittee shall not exceed the production levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Production (Tons)</u>
1	50,000
1-2	50,000
1-3	75,000
1-4	75,000
1-5	95,000
1-6	100,000
1-7	116,667
1-8	133,333
1-9	150,000
1-10	166,667
1-11	183,333
1-12	200,000

After the first 12 calendar months of operation following the startup of P902, compliance with the annual production rate limitation shall be based upon a rolling, 12-month summation of the production rates.

3. The permitted may not receive or burn any #2 fuel oil and/or used oil which has a sulfur content greater than 0.50 percent.

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

1. 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.
2. The permittee shall maintain monthly records of the following information for emissions unit P901:
  - a. The monthly asphalt production, in tons;
  - b. For the first 12 calendar months following the startup of emissions unit P901, the cumulative asphalt production calculated by adding the current month's asphalt production to the asphalt production for each calendar month since the startup of emissions unit P901; and

- c. Beginning after the first 12 calendar months following the startup of emissions unit P901, the rolling, 12-month summation of asphalt production calculated by adding the current month's asphalt production to the asphalt production for the preceding eleven calendar months.
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.

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

1. The permittee shall furnish the Administrator written notification as follows:

A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

2. The permittee shall submit deviation (excursion) reports which 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 quarterly reports which specify the monthly asphalt production rate (in tons) for emissions units P901 for the previous calendar quarter. For the first 12 calendar months following the startup of P901, these reports shall include the cumulative asphalt production rate for each calendar month in the reporting period. Beginning after the first 12 calendar months following the startup of emissions unit P901, these reports shall include the rolling, 12-month summation of asphalt production rate for each calendar month in the reporting period. These reports shall be submitted by January 31, April 30, July 31 and October 31 of each year and cover the previous three calendar months.
4. The permittee shall submit annual reports which specify the total PM, PM10, SO2, NOx, OC 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 (excursion) reports that identify all exceedances of the sulfur

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**Emissions Unit ID: P901**

content limits in Term B.3.

6. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
7. 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. Emissions Limits

9.9 pounds PM/hour (stack)  
0.04 grain PM/dscf (stack)  
15.5 pounds OC/hour

The permittee shall conduct, or have conducted, emission testing for emissions unit P901 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 initial startup of the emissions unit;
- b. The emission testing shall be conducted to demonstrate compliance with the allowable PM and OC emissions rates;
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for PM emissions, Method 5 of 40 CFR Part 60, Appendix A and for OC emissions, Method 25A of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA; and
- 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.

2. Emissions Limits

3.1 pounds PM/hour (fugitive),  
1.9 pounds PM<sub>10</sub>/hour (stack),  
1.5 pounds PM<sub>10</sub>/hour (fugitive),  
8.1 pounds CO/hour,  
16.9 pounds NO<sub>x</sub>/hour,  
12.6 pounds SO<sub>2</sub>/hour

Compliance with the PM, PM<sub>10</sub>, CO, NO<sub>x</sub>, and SO<sub>2</sub> emissions limits on the Air Emissions Summary page of this permit shall be demonstrated by the following calculations:

- a. For fugitive PM and PM<sub>10</sub> emissions, the actual production rate of the conveyor transfer points (tons/hour) multiplied by the number of transfer points (4) multiplied by the emission factors in AP-42, Table 11.12-2, referencing Chapter 13.2.2, Fifth Edition (0.0069 lb PM/ton, 0.0033 lb PM<sub>10</sub>/ton);
- b. For CO, NO<sub>x</sub>, and SO<sub>2</sub> emissions, when using #2 fuel oil in the dryer, the actual asphalt production rate (tons/hour) multiplied by the emission factors provided in PTI application 14-05238 as submitted on November 13, 2001 (0.036 lb CO/ton, 0.075 lb NO<sub>x</sub>/ton, 0.056 lb SO<sub>2</sub>/ton); and
- c. For PM<sub>10</sub> emissions, when using #2 fuel oil in the dryer, the actual asphalt production rate (tons/hour) multiplied by the emission factor derived from AP-42, Table 11.1-5, Fifth Edition and the fabric filter control efficiency (0.0086 lb PM<sub>10</sub>/ton).

3. Emissions Limits

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4.38 TPY\* PM from stack emissions  
0.86 TPY\* PM10 from stack emissions  
1.38 TPY\* PM from fugitive emissions  
0.66 TPY\* PM10 from fugitive emissions  
3.6 TPY\* CO  
7.5 TPY\* NO<sub>x</sub>  
5.6 TPY\* SO<sub>2</sub>  
6.9 TPY\* OC

Compliance with the PM, PM<sub>10</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>, and OC emissions limits on the Air Emissions Summary page of this permit shall be demonstrated by the following calculations:

- a. For PM emissions, the actual asphalt production rate (tons asphalt/year) multiplied by the emission factor derived from the Method 5 emissions test data and operational data (lbs PM/ton asphalt) multiplied by 1 ton/2000 lbs = TPY PM;
  - b. For PM<sub>10</sub> emissions, when using #2 fuel oil in the dryer, the actual asphalt production rate (tons asphalt/year) multiplied by the emission factor derived from AP-42, Table 11.1-5, Fifth Edition and the fabric filter control efficiency (0.0086 lb PM<sub>10</sub>/ton asphalt) multiplied by 1 ton/2000 lbs = TPY PM<sub>10</sub>;
  - c. For CO, NO<sub>x</sub>, and SO<sub>2</sub> emissions, when using #2 fuel oil in the dryer, the actual asphalt production rate (tons asphalt/year) multiplied by the emission factors provided in PTI application 14-05238 as submitted on November 13, 2001 (0.036 lb CO/ton asphalt, 0.075 lb NO<sub>x</sub>/ton asphalt, 0.056 lb SO<sub>2</sub>/ton asphalt) multiplied by 1 ton/2000 lbs = TPY CO, NO<sub>x</sub>, and SO<sub>2</sub>; and
  - d. For OC emissions, the actual asphalt production rate (tons asphalt/year) multiplied by the emission factor derived from the Method 25A emissions test data and operational data (lbs OC/ton asphalt) multiplied by 1 ton/2000 lbs = TPY OC.
4. Compliance with the visible emissions limitations shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources,").
  5. Compliance with the sulfur content limit in term B.3 shall be demonstrated by the recordkeeping in term C.3.

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

1. Pursuant to Ohio Administrative Code (OAC) rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
  - a. The portable emissions unit is equipped with the best available control technology for such portable emissions unit;
  - b. The portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

c. The applicant has provided proper notice of intent to relocate the portable emissions unit to the Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

d. In the Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

e. The portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

f. The portable emissions unit is equipped with best available technology;

g. The portable emission unit owner has identified the proposed site to the Ohio EPA;

h. The Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

i. A public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;

j. The owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to F.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must 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

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Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Department of Environmental Services and/or appropriate 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 the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

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 above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.
3. The following terms and conditions of this permit are federally enforceable: A., B., C., D. and E.