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Facility Name: **Columbus Bituminous Concrete**

Application Number: **01-7436**

Date: **August 26, 1998**

### **GENERAL PERMIT CONDITIONS**

#### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

#### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

#### **CONSTRUCTION OF NEW SOURCES**

The proposed source(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 are inadequate or cannot meet applicable standards.

If the construction of the proposed source(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 Ohio Administrative Code (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

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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 applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

### **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.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

### **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.

### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule

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3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

### **SOURCE OPERATION 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 and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Columbus Bituminous Concrete** located in **Franklin** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>
F002	Portable RAP screening unit	Application of water to RAP to prevent emission of fugitive dust; Use of RACM; See Section A, operational restrictions
	F004	RAP storage piles
F003	RAP conveyor transfer points; material handling	Application of water to RAP to prevent emission of fugitive dust;

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
Use of RACM; See Section A, operational restrictions	3745-31-05; 3745-17-07 (B) (6);  Applicable Federal & OAC Rules 3745-31-05; 3745-17-07 (B) (1); 3745-17-11	3745-31-05; 3745-17-07 (B) (6);	Permit Allowable Mass Emissions and/or Control/Usage Requirements  1.35 lb PM/hr maximum emissions; 0.30 ton PM/yr maximum emissions; Opacity shall not exceed 20 percent as a three minute average;	0.108 lb PM/hr maximum emissions; 0.0239 ton PM/yr maximum emissions; Visible emissions shall not exceed three minutes in any 60-minute observation period;
Application of water to RAP to prevent emission of fugitive dust; Use of RACM; See Section A, operational restrictions	3745-17-08  3745-31-05; 3745-17-07 (B) (1);  3745-17-08	3745-17-08	See Section A, operational restrictions  0.127 lb PM/hr maximum emissions; 0.028 ton PM/yr maximum emission; Opacity shall not exceed 20 percent as a three minute average;	See Section A, operational restrictions

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SUMMARY  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	0.352

**RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA Central District Office, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417.**

**WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport

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and disposal of any waste material generated by the operation of the sources.

#### **MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

#### **MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA Central District Office, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

#### **AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

#### **NOTICE OF INTENT TO RELOCATE**

Pursuant to OAC Rule 3745-31-03(A)(1)(n), the owner or operator of the portable or mobile source identified within this Permit to Install may relocate within the state of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the source is equipped with the Best Available Control Technology for such source;
- b. the source is operating pursuant to a currently effective

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Permit to Operate;

- c. the applicant has provided proper notice of intent to relocate the source to the Director within a minimum of 30 days prior to the scheduled relocation; and
- d. in the Director's judgement, the proposed site is acceptable under Rule 3745-15-07 of the Administrative Code.

In order for the Director to determine compliance with all of the above criteria, the owner or operator of the portable or mobile source must file a "Notice of Intent to Relocate" at least 30 days prior to relocation of the source with the **Ohio EPA Central District Office, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417**. Upon receipt of the notice, the Director, or the Director's authorized representative, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio Environmental Protection Agency approval prior to relocation of the source may result in fines and civil penalties.

#### **ADDITIONAL SPECIAL TERMS AND CONDITIONS**

##### **A. Operational Restrictions**

1. The permittee shall apply dust suppressants to material storage piles and material handling operations to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic and wind. The dust suppressant shall be applied to all surfaces as needed in order to meet applicable limitations.
2. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to prevent re-suspension.
3. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.
4. The drop height of the front end loader bucket shall be minimized to the extent possible in order to eliminate visible emissions of fugitive dust from the elevator loading area.
5. The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the

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transfer point to the dryer.

**B. Record Keeping Requirements**

1. The permittee shall maintain monthly records of the amount of RAP processed in tons.
2. The permittee shall maintain monthly records which include the following information for the RAP storage piles:
  - a. the dates dust suppressants were applied to the storage piles;
  - b. the portions of storage piles that were treated with dust suppressants;
  - c. the application rate of water and any chemical additives (gallons of each per square yard); and,
  - d. the name of the equipment operator responsible for the application of the dust suppressants.

**C. Compliance Determination Methods (F002)**

1. Emissions Limitations:
  - a. 1.35 lb PM/hr
  - b. 0.30 ton PM/yr
  - c. Opacity not to exceed 20% as a three-minute average
2. Compliance Methods
  - a. Use of water as a dust suppressant in order to comply with emissions limitations. Use of the following equation:

$$E = (0.015) (p)$$

where

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E = hourly PM emissions (lb PM/hr)  
 0.015 = emission factor, lb PM/ton RAP  
 processed  
 p = hourly production, ton RAP processed/hr

- b. Use of water as a dust suppressant in order to comply with emissions limitations. Use of the following equation:

$$E = (0.015) (p) / 2000$$

where

E = annual PM emissions (ton PM/yr)  
 0.015 = emission factor, lb PM/ton RAP  
 processed  
 p = annual production, ton RAP processed/yr  
 (sum B.1 annually)  
 2000 = lb/ton

- c. Method 9 of 40 CFR Part 60, Appendix A; OAC rule 3745-17-03(B) (3)

#### **D. Compliance Determination Methods (F003)**

##### 1. Emissions Limitations:

- a. 0.127 lb PM/hr
- b. 0.028 ton PM/yr
- c. Opacity not to exceed 20% as a three-minute average

##### 2. Compliance Methods

- a. Use of water as a dust suppressant in order to comply with emissions limitations. Use of the following equation:

$$E = (0.001416) (p)$$

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where

E = hourly PM emissions (lb PM/hr)  
 0.001416 = emission factor, lb PM/ton RAP  
 processed  
 p = hourly production, ton RAP processed/hr

- b. Use of water as a dust suppressant in order to comply with emissions limitations. Use of the following equation:

$$E = (0.001416) (p) / 2000$$

where

E = annual PM emissions (ton PM/yr)  
 0.001416 = emission factor, lb PM/ton RAP  
 processed  
 p = annual production, ton RAP processed/yr  
 (sum B.1 annually)  
 2000 = lb/ton

- c. Method 9 of 40 CFR Part 60, Appendix A; OAC rule 3745-17-03(B) (3)

#### **E. Compliance Determination Methods (F004)**

##### 1. Emissions Limitations:

- a. 0.108 lb PM/hr
- b. 0.0239 ton PM/yr
- c. Visible emissions not to exceed three minutes in any 60-minute period

##### 2. Compliance Methods

- a. Use of water as a dust suppressant in order to comply with emissions limitations. Use of the following equation:

$$E = (0.001196) (p)$$

where

E = hourly PM emissions (lb PM/hr)  
 0.001196 = emission factor, lb PM/ton RAP  
 processed  
 p = hourly production, ton RAP processed/hr

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- b. Use of water as a dust suppressant in order to comply with emissions limitations. Use of the following equation:

$$E = (0.001196) (p) / 2000$$

where

E = annual PM emissions (ton PM/yr)

0.001196 = emission factor, lb PM/ton RAP processed

p = annual production, ton RAP processed/yr (sum B.1 annually)

2000 = lb/ton

- c. Method 22 of 40 CFR Part 60, Appendix A; OAC rule 3745-17-03(B) (4)

#### **H. Miscellaneous Requirements**

The permittee shall comply with any applicable state and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the sources.