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Facility Name: **Forest Run Ready Mix**

Application Number: **06-5709**

Date: **February 18, 1999**

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.

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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 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 & 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 **Forest Run Ready Mix** located in **Meigs** 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.

F002

Ohio
EPA
Source
Number

Source
Identification
Description

Concrete
Batch Plant
(Transfer of
sand & aggregate
to storage bins
and conveyor)

F001

Concrete
Batch Plant
(weigh hopper
and transit
truck loading)

F002 cont'd

F002 cont'd

Concrete
Batch Plant

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Ohio EPA Source <u>Number</u>	Source Identification <u>Number</u>	BAT <u>Determination</u>	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u>
(Pneumatic transfer of cement and fly ash to storage silos vented to a baghouse.)				

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

Partial enclosure and vent to a baghouse which will achieve an outlet emission rate of not greater than 0.030 gr/dscf or no visible emissions.

Total enclosure and vent to a baghouse which will achieve an outlet emission rate of not greater than 0.030 gr/dscf or no visible emissions.

Damp material, reduced drop height, good housekeeping practices

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

3745-31-05

3745-31-05

3745-31-05

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	Permit Allowable Mass Emissions and/or Control/Usage Requirements	eliminate visible emissions of fugitive dust from sand and aggregate transfer activities.	filter so as to eliminate at all times visible emissions of fugitive dust.	
	The weigh hopper and the transit truck loading operation shall be vented to a baghouse which will achieve an outlet emission rate of not greater than 0.030 gr/dscf or no visible emissions.	Total particulate emissions from the transfer of sand and aggregate to storage bins and the conveyor shall not exceed 0.33 tons per year.		
	Total particulate emissions from the baghouse shall not exceed 6.76 tons per year.	The cement and fly ash silos shall be vented to a baghouse which will achieve an outlet emission rate of not greater than 0.030 gr/dscf or no visible emissions.		
	Reasonably available control measures that are sufficient to minimize or	Total particulate emissions from the baghouse shall not exceed 6.76 tons per year.		
		The pneumatic system used to transfer cement and/or to the silos shall be adequately enclosed and vented to the fabric		

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SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulate	7.09

WASTE DISPOSAL

The owner/operator 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.

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

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reported immediately to the **Ohio EPA Southeast District Office, 2195 Front Street, Logan, Ohio 43138.**

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks for any visible particulate emissions from the exhaust of the dust collection system. The presence or absence of any visible emissions from the exhaust of the dust collection system shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

B. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all days during which visible particulate emissions are observed from the exhaust of the dust collection system.

The reports shall be submitted on:

- a. January 31 of each year and shall cover the period from July 1 until December 31; and,
- b. July 31 of each year and shall cover the period from January 1 until June 30.

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If no visible particulate emissions are observed from the exhaust of the dust collection system during a given period, the permittee shall submit a report which states that no visible particulate emissions were observed from the exhaust of the dust collection system during that period. (These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

C. Testing Requirements

1. Compliance with the particulate matter emission limit of 0.030 grain per dry standard cubic foot of exhaust gases shall be determined based on emission testing conducted in accordance with OAC rule 3745-17-03. Emission testing is not specifically required to demonstrate compliance with this emission limitation, but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

2. Compliance with the no visible emission limit for the exhaust from the dust collector shall be determined using Test Method 22-like visible emission observations. (Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations.)

3. Compliance with the particulate matter emission limit of 6.76 tons per year shall be determined in accordance with the following equation:

$$\text{tons PM/year} = (0.030 \text{ gr/dscf}) \times (6000 \text{ dscf/min}) \times (1\text{b}/7000 \text{ gr}) \\ \times (60 \text{ min/hour}) \times (\text{ton}/2000 \text{ lbs}) \times (\text{actual hours of operation/year})$$

The flow rate of 6000 dscf/min represents the maximum flow rate of exhaust gases from the control equipment, based on company data.

No testing or recordkeeping is specifically required to demonstrate compliance with this emission limit, but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

ADDITIONAL TERMS AND CONDITIONS-F002

Facility Name: **Forest Run Ready Mix**

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A. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks for any visible particulate emissions from the exhaust of the dust collection system. The presence or absence of any visible emissions from the exhaust of the dust collection system shall be noted in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

2. This facility shall maintain records of the amounts of sand, stone and cement processed at this facility. These records shall be made available upon request to the Ohio EPA.

B. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all days during which visible particulate emissions are observed from the exhaust of the dust collection system.

The reports shall be submitted on:

- a. January 31 of each year and shall cover the period from July 1 until December 31; and,

- b. July 31 of each year and shall cover the period from January 1 until June 30.

If no visible particulate emissions are observed from the exhaust of the dust collection system during a given period, the permittee shall submit a report which states that no visible particulate emissions were observed from the exhaust of the dust collection system during that period.(These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

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C. Testing Requirements

1. Compliance with the particulate matter emission limit of 0.030 grain per dry standard cubic foot of exhaust gases shall be determined based on emission testing conducted in accordance with OAC rule 3745-17-03. Emission testing is not specifically required to demonstrate compliance with this emission limitation, but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

2. Compliance with the no visible emission limit for the exhaust from the dust collector shall be determined using Test Method 22-like visible emission observations. (Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations.)

3. Compliance with the particulate matter emission limit of 6.76 tons per year shall be determined in accordance with the following equation:

$$\text{tons PM/year} = (0.030 \text{ gr/dscf}) \times (6000 \text{ dscf/min}) \times (1\text{b}/7000 \text{ gr}) \times (60 \text{ min/hour}) \times (\text{ton}/2000 \text{ lbs}) \times (\text{actual hours of operation/year})$$

The flow rate of 6000 dscf/min represents the maximum flow rate of exhaust gases from the control equipment, based on company data.

No testing or record keeping is specifically required to demonstrate compliance with this emission limit, but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

4. Compliance with the particulate matter emission limit of 0.33 tons per year for the transfer of sand and aggregate to storage bins and the conveyor shall be determined by using an emission factor from AP-42 Table 11.12-2 multiplied by the total amount of sand and aggregate transferred to the storage bins.