

1) **Applicable State Regulation(s)**

The following rules of the Ohio Administrative Code establish the applicable emission limitations and/or control requirements for this source:

OAC Rule 3745-31-05  
OAC Rule 3745-17-07  
OAC Rule 3745-17-11

(This condition in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.)

2) **Source Description**

The emission units covered by this Permit to Install include: the Mobile Continuous Mixer.

3) **Allowable Emission Limitation**

a) Particulate emissions shall not exceed 2.3 pounds per hour, based on a process weight of 3.2 pounds of sand per hour.

b) Visible particulate emissions shall not exceed twenty per cent opacity, as a six minute average, for not more than six consecutive minutes in any sixty minutes.

4) **Monitoring and Recordkeeping Requirements**

a) The permittee shall collect and record the following information each day for the line:

- i) The total sand used in the mobile mixer.
- ii) The total hours of operation of the mobile mixer.

5)

**Reporting Requirement**

The permittee shall submit deviation (excursion) reports of each day during which the average hourly particulate matter emissions exceeded 2.3 pounds per hour.

## 6) Testing Requirements

Compliance with the emission limitation(s) in Section 3) of these terms and conditions shall be determined in accordance with the following method(s):

- a) Emission Limitation -  
2.3 lbs per hour of particulate matter.

Applicable Compliance Method -  
To determine the actual emission rate for particulate matter, the following equation shall be used:

$$E = (3.6 \text{ \#/ton})(S)(1-.95) / (H), \text{ where}$$

E is the average hourly emission rate of particulate matter (pm)

3.6 #/ton is the emission factor for pm in lb. per ton of sand used, from AP-42, table 7.10-4

S is the amount of sand used in this process per day

H is the total hours this process operates per day, and

1-.95 is a correction for the collector efficiency of 95%.

If required compliance shall be demonstrated as listed in OAC Rule 3745-17-03(B)(10).

- b) Emission Limitation:  
20% opacity limit for visible particulate matter emissions

Applicable Compliance Method:  
Compliance shall be determined by visible emission evaluations performed in accordance with OAC Rule 3745-17-03(B)(3) using the methods and procedures specified in U.S. EPA Reference Method 9.