

MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DISTRICT

RULE 403 - PARTICULATE MATTER

(Adopted 9-1-1974; Revised 12-13-1984, 3-22-2000, and 2-16-2005.)

CONTENTS

PART 1 GENERAL

- 1.1 Purpose
- 1.2 Applicability
- 1.3 Exemptions
- 1.4 Effective Date
- 1.5 Related District Rules

PART 2 DEFINITIONS

PART 3 REQUIREMENTS AND STANDARDS

- 3.1 Concentration
- 3.2 Process Weight
- 3.3 Individual Particles

PART 1 GENERAL

1.1 Purpose

The purpose of this Rule is to provide particulate matter emission limits for sources operating within the Monterey Bay Unified Air Pollution Control District (Air District).

1.2 Applicability

The provisions of this Rule shall apply to any source discharging particulate matter while operating within the Air District.

1.3 Exemptions

Rule 403 does not apply to:

1.3.1 Stationary internal combustion engines.

1.3.2 Fires set by or permitted by a public officer if such fire is set or permission given in the performance of the official duty of such officer, and such fire in the opinion of such officer is necessary:

1.3.2.1 for the purpose of the prevention of a fire hazard which cannot be abated by other means, or

1.3.2.2 the instruction of public employees in methods of fighting fires.

1.3.3 Fires set pursuant to a permit on property used for industrial purposes for the purpose of instruction of employees in methods of fighting fire, or

1.3.4 The use of an orchard, field crop, or citrus grove heater which does not produce unconsumed solid carbonaceous material at a rate in excess of that allowed by State law, which is 1 gram per minute of unconsumed solid carbonaceous material. {California Health and Safety Code (HSC) Sections 41860 and 41704 (f)}

1.4 Effective Date

This Rule, as most recently revised, is effective on February 16, 2005.

1.5 Related District Rules

Related District Rules include: 207 (Review of New or Modified Sources), 400 (Visible Emissions), 423 (New Source Performance Standards), 424 (National Emission Standards for Hazardous Air Pollutants); and Regulation V (Orchard, Field Crop, or Citrus Grove Heaters).

PART 2 DEFINITIONS

Reserved.

PART 3 REQUIREMENTS AND STANDARDS

3.1 Concentration

A person shall not discharge from any source whatsoever particulate matter in excess of 0.15 grain per standard dry cubic foot of exhaust gas.

3.2 Process Weight

A person shall not discharge in any one hour from any source whatsoever particulate matter in excess of the amount shown in Table I.

Table I
ALLOWABLE RATE OF EMISSION BASED ON PROCESS RATE¹

| Process Rate (lbs/hr) | Weight Rate (tons/hr) | Emission Rate (lbs/hr) |
|-----------------------|-----------------------|------------------------|
| 100 | 0.05 | 0.551 |
| 200 | 0.1 | 0.877 |
| 400 | 0.2 | 1.4 |
| 600 | 0.3 | 1.83 |
| 800 | 0.4 | 2.22 |
| 1,000 | 0.5 | 2.58 |
| 1,500 | 0.75 | 3.38 |
| 2,000 | 1.0 | 4.1 |
| 2,500 | 1.25 | 4.76 |
| 3,000 | 1.5 | 5.38 |
| 3,500 | 1.75 | 5.96 |
| 4,000 | 2.0 | 6.52 |
| 5,000 | 2.5 | 7.58 |
| 6,000 | 3.0 | 8.56 |
| 7,000 | 3.5 | 9.49 |
| 8,000 | 4.0 | 10.4 |
| 9,000 | 4.5 | 11.2 |
| 10,000 | 5.0 | 12.0 |
| 12,000 | 6.0 | 13.6 |
| 16,000 | 8.0 | 16.5 |
| 18,000 | 9.0 | 17.9 |
| 20,000 | 10.0 | 19.2 |
| 30,000 | 15.0 | 25.2 |
| 40,000 | 20.0 | 30.5 |
| 50,000 | 25.0 | 35.4 |
| 60,000 or more | 30.0 | 40.0 |

¹ Interpolation of the data in this Table shall be accomplished by the use of the equation:

$$E = 4.10 P^{0.67}$$

where

E = rate of emission in lbs/hr

P = process weight rate in tons/hr

3.3 Individual Particles

No person shall on or after December 31, 1976, cause, let, permit, suffer or allow the emission from any heat transfer, incinerator or metal salvage operation of particles in sufficient number to cause damage to property, which particles are of sufficient size and nature to be visible individually as particles on property other than that under the control of the person responsible for the emission.

* * * * *