

Existing Facilities," EPA-600/8-89-057, August 1989;

(4) "Municipal Waste Combustion Assessment, Technical Basis for Good Combustion Practices," EPA-600/8-89-063, August 1989;

(5) "Municipal Waste Combustors—Background Information for Proposed Standards: Control of NO_x Emissions," EPA-450/3-89-27d, August 1989;

(6) "Municipal Waste Combustors—Background Information for Proposed Standards: Cost Procedures," EPA-450/3-89-27a, August 1989;

(7) "Economic Impact Analysis for Proposed Emission Standards and Guidelines for Municipal Waste Combustors," EPA-450/3-91-029, March 1994;

(8) "Municipal Waste Combustors—Background Information for Proposed Guidelines for Existing Facilities," EPA-450/3-89-27e, August 1989;

(9) "Municipal Waste Combustion: Background Information for Promulgated Standards and Guidelines—Summary of Public Comments and Responses," EPA-453/R-95-0136, 1995.

These documents and additional technical information are contained in dockets A-90-45 and A-89-08. Docket materials are available for inspection and copying as described in the ADDRESSES section of this preamble.

Judicial Review. Under section 307(b)(1) of the Clean Air Act, judicial review of the actions taken by this notice is available by filing of a petition for review in the U.S. Court of Appeals for the District of Columbia Circuit within 60 days of today's publication of this rule. Under section 307(b)(2) of the Clean Air Act, the requirements that are in today's notice may not be challenged later in the civil or criminal proceedings brought by the EPA to enforce these requirements (42 U.S.C. 7607(b)).

Preamble Outline. The following outline is provided to aid in locating information in the introductory text (preamble) to the final standards and guidelines.

I. Acronyms, Abbreviations, and Measurement Units

A. Acronyms

B. Abbreviations and Measurement Units

II. Background and Withdrawal of the 1991 Subpart Ca Emission Guidelines

III. Summary of Considerations in Developing the 1995 Standards for New Sources and Guidelines for Existing Sources

A. Purpose of the Standards and Guidelines

B. Technical Basis of the Standards and Guidelines

C. Stakeholders and Public Involvement

IV. Standards of Performance for New Sources (1995)—Summary of the Standards, Impacts of the Standards, and Significant Issues and Changes to the Proposed Standards

A. Summary of the Standards

B. Significant Issues and Changes to the Proposed Standards

1. Applicability
2. Emission Limits for MWC Metals, Acid Gases, Organics, Nitrogen Oxides, and Ash Fugitive Emissions
3. Good Combustion Practices
4. Operator Training and Certification
5. Air Curtain Incinerators
6. Siting Analysis/Materials Separation Plan
7. Compliance and Performance Testing
8. Reporting and Recordkeeping Requirements

C. Impacts of the Standards

V. Guidelines for Existing Sources (1995)—Summary of the Guidelines, Impacts of the Guidelines, and Significant Issues and Changes to the Proposed Guidelines

A. Summary of the Guidelines

B. Significant Issues and Changes to the Proposed Guidelines

1. Designated Facilities
2. Emission Limits for MWC Metals, Acid Gases, Organics, Nitrogen Oxides, and Fugitive Ash Emissions
3. Good Combustion Practices
4. Operator Training and Certification
5. Air Curtain Incinerators
6. Compliance and Performance Testing
7. Reporting and Recordkeeping Requirements and Compliance Schedules

C. Impacts of the Guidelines

VI. Administrative Requirements

A. Docket

B. Paperwork Reduction Act

C. Executive Order 12866

D. Unfunded Mandates Act

E. Executive Order 12875

F. Regulatory Flexibility Act

G. Clean Air Act Procedural Requirements

I. Acronyms, Abbreviations, and Measurement Units

The following definitions, acronyms, and measurement units are provided to clarify the preamble to the final standards and guidelines.

A. Acronyms

ASME American Society of Mechanical Engineers

BID Background Information Document

CEMS continuous emissions monitoring system(s)

COMS continuous opacity monitoring system(s) dioxins/furans polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans

DSI dry sorbent injection

EPA U.S. Environmental Protection Agency

ESP electrostatic precipitator

FF fabric filter

GCP good combustion practices

ICR information collection request
MACT maximum achievable control technology

MSW municipal solid waste

MWC municipal waste combustor

MWI medical waste incinerator

NSR New Source Review

NO_x nitrogen oxides

OAQPS Office of Air Quality Planning Standards

OMB Office of Management and Budget

PM particulate matter

RDF refuse-derived fuel

RFA Regulatory Flexibility Act

SD spray dryer

SNCR selective noncatalytic reduction

TEQ basis 2,3,7,8-tetrachlorinated dibenzo-p-dioxin toxic equivalent based on the 1989 international toxic equivalency factors

B. Abbreviations and Measurement Units

°C=degrees Celsius (degrees Fahrenheit=°C*9/5+32)

Cd=cadmium

CO=carbon monoxide

CO₂=carbon dioxide

dscf=dry standard cubic feet (at 14.7 pounds per square inch, 68 °F)

dscm=dry standard cubic meters (at 14 pounds per square inch, 68 °F)

g=gram (454 grams per pound)

g/yr=grams per year

gr=grains (7,000 grains per pound)

HCl=hydrogen chloride

Hg=mercury

kg=kilogram (0.454 kilograms per pound)

kg/yr=kilograms per year

m³=cubic meter (35.3 cubic feet per cubic meter)

mg=milligrams (10⁻³ grams)

Mg=megagram (1.1 tons)

Mg/d=megagrams per day

Mg/yr=megagrams per year

ng=nanogram (10⁻⁹ grams)

Pb=lead

ppmv=parts per million by volume

SO₂=sulfur dioxide

tons/d=tons per day

tons/yr=tons per year

total mass basis (dioxins/furans=total mass of tetra- through octa-chlorinated dibenzo-p-dioxins and dibzofurans

II. Background and Withdrawal of the 1991 Subpart Ca Emission Guidelines

By the mid-1980's, several studies had been performed to determine whether MWC emissions should be regulated and, if so, under what section of the Clean Air Act. As set forth in the Advanced Notice of Proposed Rulemaking (52 FR 25399, July 7, 1987), the EPA decided to regulate air emissions from MWC's under section 111 of the Clean Air Act, and to base the