

## Environmental Protection Agency

## § 240.211-3

are made and should be readily available. A schematic showing the relationships of the various subsystems should also be available.

(f) Key operational procedures should be prominently posted.

(g) Equipment manuals, catalogs, spare parts lists, and spare parts should be readily available at the facility.

(h) Training opportunities for facility operating personnel should be provided.

### § 240.211 Records.

#### § 240.211-1 Requirement.

The owner/operator of the thermal processing facility shall provide records and monitoring data as required by the responsible agency.

#### § 240.211-2 Recommended procedures: Design.

Continuously recording instrumentation should be used as much as possible.

#### § 240.211-3 Recommended procedures: Operations.

(a) Extensive monitoring and record-keeping should be practiced during the first 12 to 18 months of operation of a new or renovated facility, during periods of high air pollution, and during periods of upset conditions at the facility.

(b) During other periods of more normal operation of the facility, less extensive monitoring and record keeping may be practiced if approved by the responsible agency.

(c) Operating records should be kept in a daily log and should include as a minimum:

(1) The total weight and volume (truck capacities may be used for volume determination) of solid waste received during each shift, including the number of loads received, the ownership or specific identity of delivery vehicles, the source and nature of the solid wastes accepted.

(2) Furnace and combustion chamber temperatures recorded at least every 60 minutes and as changes are made, including explanations for prolonged, abnormally high and low temperatures.

(3) Rate of operation, such as grate speed.

(4) Overfire and underfire air volumes and pressure and distribution recorded at least every 60 minutes and as changes are made.

(5) Weights of bottom ash, grate siftings, and fly ash, individually or combined, recorded at intervals appropriate to normal facility operation.

(6) Estimated percentages of unburned material in the bottom ash.

(7) Water used on each shift for bottom ash quenching and scrubber operation. Representative samples of process waters should be collected and analyzed as recommended by the responsible agency.

(8) Power produced and utilized each shift. If steam is produced, quality, production totals and consumption rates should be recorded.

(9) Auxiliary fuel used each shift.

(10) Gross calorific value of daily representative samples of bottom ash, grate siftings, and fly ash. (Sampling time should be varied so that all shifts are monitored on a weekly basis.)

(11) Emission measurements and laboratory analyses required by the responsible agency.

(12) Complete records of monitoring instruments.

(13) Problems encountered and methods of solution.

(d) An annual report should be prepared which includes at least the following information:

(1) Minimum, average, and maximum daily volume and weight of waste received and processed, summarized on a monthly basis.

(2) A summary of the laboratory analyses including at least monthly averages.

(3) Number and qualifications of personnel in each job category; total manhours per week; number of State certified or licensed personnel; staffing deficiencies; and serious injuries, their cause and preventive measures instituted.

(4) An identification and brief discussion of major operational problems and solutions.

(5) Adequacy of operation and performance with regard to environmental requirements, the general level of housekeeping and maintenance, testing and reporting proficiency, and recommendations for corrective actions.

(6) A copy of all significant correspondence, reports, inspection reports, and any other communications from enforcement agencies.

(e) Methodology for evaluating the facility's performance should be developed. Evaluation procedures recommended by the U.S. Environmental Protection Agency should be used whenever possible (see bibliography).

#### APPENDIX TO PART 240—RECOMMENDED BIBLIOGRAPHY

1. The Solid Waste Disposal Act as amended; Title II of Pub. L. 89-272, 89th Cong., S. 306, Oct. 20, 1965; Pub. L. 91-512, 91st Cong., H.R. 11833, Oct. 26, 1970. Washington, U.S. Government Printing Office, 1971. 14 p. Reprinted 1972.
2. Seven incinerators; evaluation, discussions, and authors' closure. [Washington, U.S. Environmental Protection Agency, 1971. 40 p.] (Includes discussions and authors' closure for "An evaluation of seven incinerators" by W. C. Achinger and L. E. Daniels.)
3. DeMarco, J., D. J. Keller, J. Leckman, and J. L. Newton. Municipal-scale incinerator design and operation. Public Health Service Publication No. 2012. Washington, U.S. Government Printing Office, 1973. 98 p.
4. Occupational Safety and Health Act of 1970; Pub. L. 91-596, 91st Cong., S. 2193, Dec. 29, 1970. Washington, U.S. Government Printing Office, 1972.
5. Control techniques for particulate air pollutants. Publication AP-51. U.S. Department of Health, Education, and Welfare, National Air Pollution Control Administration, 1969.
6. Zausner, E. R. An accounting system for incinerator operations. Public Health Service Publication No. 2032. Washington, U.S. Government Printing Office, 1970. 17 p.
7. Achinger, W. C., and J. J. Giar. Testing manual for solid waste incinerators. [Cincinnati], U.S. Environmental Protection Agency, 1973. [372 p., loose-leaf.] [Open-file report, restricted distribution.]
8. Nader, J. S., W. Carter, and F. Jaye. Performance Specifications for Stationary Source Monitoring Systems. NTIS PB. 230 934/AS (1974).

## PART 243—GUIDELINES FOR THE STORAGE AND COLLECTION OF RESIDENTIAL, COMMERCIAL, AND INSTITUTIONAL SOLID WASTE

### Subpart A—General Provisions

Sec.  
243.100 Scope.

243.101 Definitions.

### Subpart B—Requirements and Recommended Procedures

- 243.200 Storage.
- 243.200-1 Requirement.
- 243.200-2 Recommended procedures: Design.
- 243.201 Safety.
- 243.201-1 Requirement.
- 243.201-2 Recommended procedures: Operations.
- 243.202 Collection equipment.
- 243.202-1 Requirement.
- 243.202-2 Recommended procedures: Design.
- 243.202-3 Recommended procedures: Operations.
- 243.203 Collection frequency.
- 243.203-1 Requirement.
- 243.203-2 Recommended procedures: Operations.
- 243.204 Collection management.
- 243.204-1 Requirement.
- 243.204-2 Recommended procedures: Operations.

#### APPENDIX TO PART 243—RECOMMENDED BIBLIOGRAPHY

AUTHORITY: 42 U.S.C. 6907(a)(3), 6912(a)(1), and 6944(a).

SOURCE: 41 FR 6769, Feb. 13, 1976, unless otherwise noted.

### Subpart A—General Provisions

#### § 243.100 Scope.

(a) These guidelines are promulgated in partial fulfillment of section 209(a) of the Solid Waste Disposal Act, as amended (Pub. L. 89-272).

(b) The guidelines apply to the collection of residential, commercial, and institutional solid wastes and street wastes. Explicitly excluded are mining, agricultural, and industrial solid wastes; hazardous wastes; sludges; construction and demolition wastes; and infectious wastes.

(c) The "Requirement" sections contained herein delineate minimum levels of performance required of solid waste collection operations. Under section 211 of the Solid Waste Disposal Act, as amended, and Executive Order 12088, the "Requirement" sections of these guidelines are mandatory for Federal agencies. In addition, they are recommended to State, interstate, regional, and local governments for use in their activities.

(d) The "Recommended procedures" sections are presented to suggest additional actions or preferred methods by