

Appendix B

Continuous Emission Monitoring

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APPENDIX B

CONTINUOUS EMISSION MONITORING

A. INSTALLATION AND STARTUP: Owners or operators of sources required to have continuous emission monitors shall have installed all necessary equipment and shall have begun monitoring and recording by October 6, 1978.

B. REPORTING:

- 1. File of Records:** Owners or operators subject to the provisions of these rules and regulations shall maintain for a period of at least two years a record in a permanent form suitable for inspection and shall make such record available upon request, to the CARB and the District. The record shall include:
 - a. Occurrence and duration of any startup, shutdown or malfunction in the operation of any affected facility.
 - b. Performance testing, evaluations, calibration checks, adjustments, and maintenance of any continuous emission monitors that have been installed pursuant to these rules.
 - c. Emission measurements reported in units consistent with applicable standards.

- 2. Quarterly Report:** Owners or operators subject to provisions of these rules and regulations shall submit a written report for each calendar quarter to the APCO. The report is due by the 30th day following the end of the calendar quarter and shall include:
 - a. Time intervals, date and magnitude of excess emissions, nature and cause of the excess (if known), corrective actions taken and preventive measures adopted
 - b. Averaging period used for data reporting corresponding to averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant/source category in question.
 - c. Time and date of each period during which the continuous monitoring system was inoperative except zero and span checks and the nature of system repairs and adjustments
 - d. A negative declaration when no excess emission occurred
 - e. Reports on opacity monitors giving the number of three-minute periods during which the average opacity exceeded the standard for each hour of operation. The averages may be obtained by integration over the averaging period or by arithmetically averaging a minimum of four equally spaced instantaneous opacity measurements per minute. Any time period exempted shall be considered before determining the excess averages of opacity.

- 3. Reports of Violations:** Any violation of any emission standard to which the stationary source is required to conform, as indicated by the records of the monitoring device, shall be reported by the operator of the source to the District within 96 hours after such occurrence. The District shall, in turn, report the violation to the Air Resources Board within five working days after receiving the report of the violation from the operator.

C. DATA REDUCTION: Data shall be reduced according to the procedures established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3, or by other methods deemed equivalent by joint decision of the District, Air Resources Board, and Environmental Protection Agency.

D. STANDARDS OF PERFORMANCE OF MONITORING SYSTEMS:

1. Systems shall be installed, calibrated, maintained, and operated in accordance with the following sections of 40 CFR:
 - a. Fossil-Fuel fired Steam Generators: Section 60.45
 - b. Sulfuric Acid Plants: Section 60.84
 - c. Nitric Acid Plants: Section 60.73
 - d. Petroleum Refineries: Section 60.105
 - e. Kraft Pulp Mills: NCASI Technical Bulletin #89
2. Calibration gas mixtures shall meet the specifications in 40 CFR, Part 51, Appendix P, Section 3.3 and Part 60, Appendix B, Performance Specification 2, Section 2.11.
3. Cycling times shall be those specified in 40 CFR, Part 51, Appendix P, Section 3.4, 3.4.1, and 3.4.2.
4. The continuous SO₂ and NO_x monitors shall meet the applicable performance specification requirements in 40 CFR, Part 41, Appendix P, and Part 60, Appendix B.
5. The continuous CO₂ and O₂ monitoring systems shall meet the performance specification requirements in CFR 40, Part 51, Appendix P, and Part 60, Appendix B.
6. Opacity monitoring systems shall meet the performance specifications of 40 CFR 60, Appendix B, Performance Specification No. 1.

Equivalent alternate performance specifications may be established by mutual agreement of the Environmental Protection Agency, Air Resources Board and the District.

E. DEFINITIONS: Definitions shall be those given in 40 CFR, Part 51.