

RULE 19.2. CONTINUOUS EMISSION MONITORING REQUIREMENTS (Effective 4/20/77: Rev. Effective 1/12/79)

(a) **DEFINITIONS.** Definitions used shall be those given in CFR 40, Part 51, or equivalent ones established by mutual agreement of the Air Pollution Control District, Air Resources Board, and Environmental Protection Agency. "CFR" as used in this rule means Code of Federal Regulations.

(b) **SOURCES AND EMISSIONS TO BE MONITORED.** The owner or operator of any source listed below for which these Rules and Regulations require a permit shall provide, properly install, maintain in good working order, and operate continuous monitoring, systems to measure and record the emissions from the source as follows:

(1) Fossil-fuel fired steam generators with a heat input of 250 million BTU (63 million kilogram calories) or more per hour with a use factor of at least 30 percent per year. The emissions to be monitored are:

- (i) Oxides of nitrogen;
- (ii) Carbon dioxide or oxygen;
- (iii) Visible emissions, as opacity, except:
 - (A) when gaseous fuel is the only fuel burned, or
 - (B) when oil or a mixture of gaseous fuel and oil is the only fuel burned; and the source has a heat input of less than 1000 million BTU (252 million kilogram calories) per hour and is able to comply with all applicable particulate matter and visible emission rules herein without collection equipment; and the source has not been found since December 31, 1970, through administrative or judicial proceedings, to be in violation of Rule 50 or any other applicable visible emission standard.

(iv) Sulfur dioxide (SO₂), if SO₂ control equipment is used.

(2) All sulfur recovery plants. The emission to be monitored is sulfur dioxide.

(3) Carbon monoxide (CO) boilers of regenerators of fluid catalytic cracking units. The emissions to be monitored are:

- (i) Sulfur dioxide;
- (ii) Visible emissions, as opacity.

(4) Carbon monoxide (CO) boilers of fluid cokers if feed rate is greater than 10,000 barrels (1,500,000 liters) per day. The emissions to be monitored are:

- (i) Sulfur dioxide;
- (ii) Visible emissions, as opacity.

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

(d) **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 State Air Resource Board and the Air Pollution Control District. The record shall include:

- (i) Occurrence and duration of any startup, shutdown or malfunction in the operation of any affected facility.
- (ii) Performance testing, evaluations, calibrations, checks, adjustments, and maintenance of any continuous emission monitors that have been installed pursuant to these rules.
- (iii) Emission measurements.

(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 Air Pollution Control Officer. The report is due by the 30th day following the end of the calendar quarter and shall include:

- (i) Time intervals, date and magnitude of excess emissions, nature and cause of the excess (if known), corrective actions taken and preventive measures adopted.
- (ii) 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.
- (iii) Time and date of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of system repairs and adjustments.
- (iv) A negative declaration when no excess emissions occurred.

(v) Reports on opacity monitors giving the number of three minute periods during which during 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 subtracted 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 State Air Resources Board within five working days after receiving of the report of the violation from the operator.

(4) Emission Reporting Units (Effective 1/12/79)

All emission data shall be reported in the units of the applicable standards.

(e) **DATA REDUCTION**

Data shall be reduced according to the procedure established in CFR 40 Part 51, Appendix P, paragraph 5.0 through 5.3.3, or by other methods deemed equivalent by joint decision of the Air Pollution Control District, Air Resources Board and Environmental Protection Agency.

(f) **STANDARDS OF PERFORMANCE FOR MONITORING SYSTEMS**

(1) Systems shall be installed, calibrated, maintained and operated in accordance with the following sections of CFR 40.

(i) Fossil-fuel Fired Steam Generators: Section 60.45.

(ii) Petroleum Refineries: Section 60.105.

Equivalent standards may be used by mutual agreement of the Air Pollution Control District, Air Resources Board and Environmental Protection Agency.

(2) Calibration gas mixtures shall meet the specifications in CFR 40, Part 51, Appendix P, Section 3.3, and Part 60, Appendix B, Performance Specification 2, Section 2.1; or shall meet equivalent specifications established by mutual agreement of the Air Pollution Control District, Air Resources Board and Environmental Protection Agency.

(3) Cycling times shall be those specified in CFR 40, Part 51, Appendix P, Section 3.4, 3.4.1 and 3.4.2; or shall meet equivalent specifications established by mutual agreement of the Air Pollution Control District, Air Resources Board and Environmental Protection Agency.

(4) The continuous sulfur dioxide and oxides of nitrogen monitors shall meet the applicable performance specification requirements in CFR 40, Part 51, Appendix P, and Part 60, Appendix B; or shall meet equivalent specifications established by mutual agreement of the Air Pollution Control District, Air Resources Board and Environmental Protection Agency.

(5) The continuous carbon dioxide and oxygen (O₂) monitoring system shall meet the performance specification requirements in CFR 40, Part 51, Appendix P, and Part 60, Appendix B; or shall meet equivalent specifications established by mutual agreement of the Air Pollution Control District, Air Resources Board and Environmental Protection Agency.

(6) The continuous opacity monitoring system shall meet the performance specification requirements in CFR 40, Part 51, Appendix P, and Part 60, Appendix B; or shall meet equivalent specifications established by mutual agreement of the Air Pollution Control District, Air Resources Board and Environmental Protection Agency.