

RULE 110 STACK MONITORING
(Adopted 11/19/85; Revised 9/14/99)

A. The Owner or Operator of any Source identified below shall provide, properly install, and maintain in good working order, continuous monitoring systems to measure the following pollutants and Opacity:

A.1 Source - Steam generators with a heat input of 63 million kilogram calories (250 million British thermal units) or more per hour and with a use factor of at least 30 percent per year shall monitor for oxides of nitrogen (NO_x), sulfur dioxide (SO₂), carbon dioxide (CO₂) or oxygen (O₂). Opacity shall also be monitored unless, gaseous fuel is the only fuel burned, or where oil or a mixture of gas and oil is the only fuel burned and the Source can meet particulate and Opacity regulations without collection equipment and the Source has not been found, through administrative or judicial proceedings, to be in violation of regulations for nuisance, Opacity or particulate emissions.

A.2 Source - All existing nitric acid plants of greater than 300 tons per day production capacity (being expressed as 100 percent acid), shall monitor for oxides of nitrogen (NO_x)

A.3 Source - CO boilers of regenerators of fluid catalytic cracking units and CO boilers of fluid cokers if feed rate is greater than 10,000 barrels (1,590,000 liters) per day shall monitor for sulfur dioxide (SO₂) and Opacity.

A.4 Source - Sulfuric acid plants and sulfur recovery plants shall monitor for liquid and gaseous sulfur compounds, as sulfur dioxide (SO₂).

B. Quarterly Report

Owners or Operators subject to provisions of this Rule 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 the following information:

B.1 Time intervals, date and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions taken and preventive measure adopted.

B.2 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.

B.3 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.

- B.4 A negative declaration when no excess emissions occurred.
- B.5 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.
- C. A violation of emission standards of these Rules, as shown by the stack-monitoring system, shall be reported by such Person to the Air Pollution Control Officer within 96 hours.
- D. In the event of a Breakdown of monitoring equipment, the owner shall notify the Air Pollution Control Officer within 48 hours and shall initiate repairs. The owner shall inform the Air Pollution Control Officer of the intent to shut down any monitoring equipment at least 24 hours prior to the event.
- E. The Air Pollution Control Officer shall inspect, as he determines to be necessary, the monitoring devices required by this Rule to ensure that such devices are functioning properly.
- F. A stack-monitoring system required to be installed by this Rule shall be of a type specified by the California Air Resources Board pursuant to Section 42702 of the Health and Safety Code, or of a type approved by the Air Pollution Control Officer.
- G. System shall be installed, calibrated, maintained and operated in accordance with the following Sections of 40 CFR.
 - G.1 Fossil-Fuel Fired Steam Generators: Section 60.45.
 - G.2 Sulfuric Acid Plants: Section 60.84.
 - G.3 Nitric Acid Plants: Section 60.73.
 - G.4 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 2.1.
 - G.5 Cycling times shall be those specified in 40 CFR 60, Appendix P, Sections 3.4, 3.4.1 and 3.4.2.

- G.6 The continuous SO₂ and NO_x monitors shall meet the applicable performance specification requirements in CFR 40, Part 51, Appendix P, Part 60, Appendix B.
- G.7 The continuous CO₂ and O₂ monitoring system shall meet the performance specification requirements in CFR 40, Part 51, Appendix P, and Part 60, Appendix B.
- G.8 The continuous Opacity monitoring system shall meet the performance specification requirements in 40 CFR, Part 51, Appendix P, and Part 60, Appendix B, or shall meet equivalent specifications established by mutual agreement of the Air Pollution Control District, California Air Resources Board, and U.S. Environmental Protection Agency.

H. Effective Dates

Sources which are not in compliance with any of the provisions of this Rule on the date the rule is adopted or revised shall come into compliance within 12 months following that date.