

SAN LUIS OBISPO COUNTY AIR POLLUTION CONTROL DISTRICT

RULE 113 - CONTINUOUS EMISSIONS MONITORING

(Adopted 7/5/77, Revised 3/26/03)

- A. DEFINITIONS. Definitions used shall be those given in 40 CFR, Part 51, or equivalent ones established by mutual agreement of the Air Pollution Control District, Air Resources Board, and Environmental Protection Agency.
- B. SOURCES AND POLLUTANTS TO BE MONITORED. The owner or operator shall provide, properly install, and maintain in good working order and in operation, continuous monitoring systems to measure the following pollutants from the following sources:
1. Fossil-fuel fired steam generators with a heat input of 250 million British Thermal Units (63 million kilogram calories) or more per hour with a regular use factor of at least 30 percent per year, unless an exemption is granted as provided in paragraph d. below.
 - a. Oxides of nitrogen.
 - b. Carbon dioxide or oxygen.
 - c. Sulfur dioxide, if control equipment is used.
 2. All sulfur recovery plants required to limit emissions of SO₂ to comply with an adopted regulation of the State Implementation Plan, sulfur dioxide.
 3. CO boilers of fluid cokers if feed rate is greater than 10,000 barrels (1,590,000) per day, sulfur dioxide.
 4. All nitric acid plants, oxides of nitrogen.
 5. All sulfuric acid plants, sulfur dioxide.
- C. 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 on or before January 5, 1979.
- D. EXEMPTIONS. Exemptions may be granted to:
1. Sources complying with new source performance standards promulgated under 40 CFR, Part 60 and pursuant to Section III of the Clean Air Act.
 2. Sources scheduled for retirement within five (5) years provided evidence and guarantees are written.

- E. OTHER SOURCE CATEGORIES. The Air Pollution Control Officer may require the owner or operator of a stationary source to install, calibrate, operate and maintain in good working order equipment for continuously monitoring and recording emissions from the stationary source, provided each of the following conditions exist:
1. The stationary source emits into the atmosphere at least 2.3 kilograms per hour (5 lb/hr) of non-methane hydrocarbons, oxides of sulfur, reduced sulfur compounds or particulate matter or 40 lbs/hr of any other contaminant.
 2. The stationary source emits into the atmosphere an air contaminant, for which an emission standard under these Rules and Regulations is applicable, at a rate in excess of 70 percent of such emission standard.
 3. The California Air Resources Board has determined and specified pursuant to Health and Safety Code, Sections 42701 and 42702, that monitoring equipment is available, technologically feasible and economically reasonable for the type of stationary source in question.
 4. After considering all of the relevant circumstances, the Air Pollution Control Officer has determined that requiring such monitoring equipment is necessary and reasonable. In making such determination, the Air Pollution Control Officer shall, without limitations, consider (i) the economic impact on the stationary source, and (ii) the extent to which similar emission information may be obtained through other less costly methods or reporting procedures with comparable accuracy and control.
- F. APPEALS TO HEARING BOARD. Within thirty (30) days after receiving notice to install an in-stack monitoring system, pursuant to Subsection E of this Rule, or at any time during the monitoring period, the owner or operator may petition the Hearing Board of the Air Pollution Control District to hold a hearing to determine if there is sufficient reason to require the monitoring, if equipment required is appropriate, and if terms and conditions of operation are appropriate. The Air Pollution Control Officer's notice to install shall be suspended until decision by the Hearing Board. Petitions to the Hearing Board shall be filed in accordance with Regulation VIII of the Rules and Regulations.
- G. DISCONTINUANCE OF IN-STACK MONITORING. The Air Pollution Control Officer may consent to the discontinuance of the in-stack monitoring required under Subsection E of this Rule when it appears that the reasons for monitoring no longer exist providing that the monitoring was not required by the Hearing Board.
- H. REPORTING
1. File of Records
- Owners or operators subject to the provisions of this Rule shall maintain for a period of at least two years in a permanent form suitable for inspection and shall

make such record available upon request, to the Air Pollution Control 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 this Rule.
- c. Emission measurements.

2. Quarterly Reports

Owners or operators subject to provisions of this Rule shall submit a written report for each calendar quarter to the Control Officer. The report is due by the 30th day following the end of the calendar quarter and shall include:

- a. Time interval, date and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions taken and preventative measures adopted.
- b. Averaging period used for data reporting corresponding to averaging period specified in the emission tests period used to determine compliance with an emission standard for the pollutant/source category in question.

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 Air Pollution Control District within 48 hours after such occurrence.

4. Monitoring Equipment Breakdown or Shutdown

Within 4 hours of the start of the next business day, notify the Air Pollution Control Officer of any breakdown or shutdown of the monitoring equipment.

- I. DATA REDUCTION. Data shall be reduced according to the procedure 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 Control District, Air Resources Board and Environmental Protection Agency.

J. 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. Petroleum Refineries: Section 60.105
 - d. Nitric Acid Plants: Section 60.73
2. Calibration gas mixtures shall meet the specification in 40 CFR, 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 Control District, Air Resources Board, and Environmental Protection Agency.
3. Cycling times shall be those specified in 40 CFR, Part 51, Appendix P, Section 3.4, 3.4.1 and 3.4.2, or shall meet equivalent specification established by mutual agreement of the Control District, Air Resources Board and Environmental Protection Agency.
4. The continuous SO₂ and NO_x monitors shall meet the applicable 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 Control District, Air Resources Board, and Environmental Protection Agency.
5. The continuous CO₂ and O₂ monitoring system shall meet 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 Control District, Air Resources Board and Environmental Protection Agency.