

# KERN COUNTY AIR POLLUTION CONTROL DISTRICT

## **RULE 108 - STACK MONITORING**

*(Adopted 6/22/77, Amended 6/29/81, 7/24/03)*

### **I. Definitions**

Definitions used shall be those given in 40 CFR, Part 51, or equivalent ones established by mutual agreement of the District, California Air Resources Board, and U.S. Environmental Protection Agency.

### **II. Continuous Monitoring**

Upon the request of and as directed by the Control Officer, the owner shall provide, install, and operate continuous monitoring equipment on such operations as directed. The owner shall maintain, calibrate, and repair the equipment and shall keep the equipment operating at design capabilities.

### **III. Required Monitoring**

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:

- A. Fossil fuel fired steam generators with heat input of 250 million British Thermal Units (63 million kilogram calories) or more per hour with a use factor of at least 30 percent per year:
  - 1. Oxides of nitrogen, if emission standards apply,
  - 2. Carbon dioxide or oxygen, if III.A.1. applies, and
  - 3. SO<sub>2</sub>, if control equipment is used.
- B. All sulfur recovery plants and sulfuric acid plants: SO<sub>2</sub>.
- C. CO boilers or 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: SO<sub>2</sub>.

### **IV. Standards of Performance**

- A. Systems shall be installed calibrated, maintained and operated in accordance with the following Sections of 40 CFR:
  - 1. Fossil-Fuel Fired Steam Generators: Section 60.45,
  - 2. Sulfuric Acid Plants: Section 60.84,

3. Petroleum Refineries: Section 60.105, and
  4. Equivalent standards may be used by mutual agreement of the District, California Air Resources Board and U.S. Environmental Protection Agency.
- B. Calibration gas mixtures shall meet specifications of 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 District, California Air Resources Board and U.S. Environmental Protection Agency.
  - C. Cycling times shall be those specified in 40 CFR, Part 51, Appendix P, Sections 3.4, 3.4.1 and 3.4.2, or shall meet equivalent specifications established by mutual agreement of the District, California Air Resources Board and U.S. Environmental Protection Agency.
  - D. Continuous SO<sub>2</sub> and NO<sub>x</sub> monitors shall meet applicable performance specification requirements of 40 CFR, Part 51, Appendix P, and Part 60, Appendix B, or shall meet equivalent specifications established by mutual agreement of the District, California Air Resources Board and U.S. Environmental Protection Agency.
  - E. Continuous CO<sub>2</sub> and O<sub>2</sub> monitoring system shall meet performance specification requirements of 40 CFR, Part 51, Appendix P, and Part 60, Appendix B, or shall meet equivalent specifications established by mutual agreement of the District, California Air Resources Board, and U.S. Environmental Protection Agency.

**V. File of Records**

Owners or operators subject to provisions of this Rule shall maintain, for a period of at least two years, a record in permanent form suitable for inspection and shall make such record available, upon request, to the California Air Resources Board 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, calibrations, checks, adjustments and maintenance of any continuous emission monitors installed pursuant to this Rule, and
- C. Emission measurements 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 District, California Air Resources Board and U.S. Environmental Protection Agency.

**VI. Quarterly Report**

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 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 for zero and span checks and the nature of system repairs and adjustments; and
- D. A negative declaration when no excess emissions occurred.

**VII. Violations**

A violation of emission standards of these Rules, as shown by the stack-monitoring system, shall be reported by such person to the Control Officer within 96 hours. The District shall, in turn, report the violation to the California Air Resources Board within five working days after receiving the report of the violation.

**VIII. Breakdowns**

In the event of a breakdown of monitoring equipment, the owner shall notify the Control Officer in accordance with Rule 111 (Equipment Breakdown). The owner shall inform the Control Officer of the intent to shut down any monitoring equipment at least 24 hours prior to the event.

**IX. Inspections**

The Air Pollution Control Officer shall inspect, as she/he determines to be necessary, monitoring devices required by this Rule to ensure that such devices are functioning properly.