VENTURA COUNTY AIR POLLUTION CONTROL DISTRICT

RULE 103 - CONTINUOUS MONITORING SYSTEMS
(Adopted 11/22/77, Renumbered 11/21/78, Revised 7/5/83, 3/28/89, 6/4/91, 2/9/99)

A. Applicability Requirements

1. The owner or operator of an emission source required by a federal regulation to install, maintain in good working order, and operate a continuous monitoring system shall do so in accordance with the provisions of that regulation.

2. For emission sources not subject to Subsection A.1, the owner or operator of any boiler, steam generator or process heater, with a heat input capacity of between 40 million British Thermal Units (BTU's) per hour and 250 million BTU's per hour, and with a capacity factor of at least 30 percent per year, shall provide, properly install, maintain in good working order, and operate continuous emission monitoring systems to measure the following pollutants:

   a. Oxides of nitrogen

   b. Carbon monoxide

   c. Oxygen

3. For emission sources not subject to Subsection A.1, the owner or operator of any boiler, steam generator or process heater, with a heat input capacity of greater than 250 million BTU's per hour, shall provide, properly install, maintain in good working order, and operate continuous emission monitoring systems to measure the following pollutants:

   a. Oxides of nitrogen

   b. Carbon dioxide or oxygen

   c. Opacity, unless the device is gas-fired

4. Notwithstanding the requirements of Subsections A.1, A.2 or A.3, the owner or operator of any equipment with emissions of any single air contaminant greater than or equal to either 5 pounds per hour or 40 pounds per day shall, upon written request of the Air Pollution Control Officer, provide, properly install, maintain in good working order, and operate continuous monitoring systems to measure a specified set of air contaminant emissions for a specified reason.

B. Reporting Requirements

1. The owner or operator of a unit subject to the provisions of Section A of this Rule shall report any violation of any applicable monitored emission standard in writing to the District within 96 hours of each occurrence. Upon receipt, the District shall transmit the violation report to the state within five working days.

2. The owner or operator of a unit subject to the provisions of Section A of the Rule shall maintain permanent continuous monitoring records, in a form suitable for inspection, for a period of at least five (5) years. Such records shall be made available to the Air Resources Board or the District upon request.

   The record shall include:

   a. The date, time and duration of any startup, shutdown or malfunction in the operation of any affected facility.

   b. The results of performance testing, evaluations, calibrations, checks, adjustments, and maintenance of any continuous emission monitors that have been installed pursuant to Section A of this Rule.

   c. Emission Measurements.

   d. Net megawatt-hours produced, if applicable.

   e. Any applicable emission limit, if based on calculations.

3. The owner or operator of a unit subject to the provisions of Subsection A.1, A.2 or A.3 of this Rule shall, upon written request of the Air Pollution Control Officer, submit a written report each calendar quarter to the Air Pollution Control Officer. The report shall be due on the 30th day following the end of the calendar quarter and shall include:

   a. The date, time, duration and magnitude of excess emissions, the nature and cause of the excess (if known), the corrective actions taken, and the preventive measures adopted.

   b. The averaging period used for data reporting. For the pollutant/source category in question, this period shall correspond to either the averaging period specified in the applicable rule, or another period, as specified in writing by the Air Pollution Control Officer.

   c. The date, time and duration of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and a description of the system repairs and adjustments undertaken during each period.

d. A negative declaration when no excess emissions occurred.

4. The owner or operator of a unit subject to the provisions of Subsection A.4 of this Rule shall, upon written request of the Air Pollution Control Officer, provide a summary of the data obtained from the continuous monitoring systems. The format of the summary shall be approved in writing by the Air Pollution Control Officer.

5. In addition to the requirements of any source specific rule, continuous monitoring data shall be reduced according to the following procedures:

a) For electric power generating units, Appendix F to 40 CFR part 75, Conversion procedures.

b) For units subject to a federal New Source Performance Standard and required by that standard to install a continuous emission monitoring system, 40 CFR, Part 51, Appendix P, Data reduction.

c) For units subject to the provisions of Subsection A.2, A.3, or A.4, 40 CFR, Part 51, Appendix P, Data reduction, paragraphs 5.0 through 5.3.3, or by other methods determined to be equivalent by the District, the Air Resources Board and the Environmental Protection Agency.

C. Standards of Performance

The owner or operator of a continuous monitoring system shall install, calibrate, operate and maintain the system in accordance with the following specifications:

1. For electric power generating units; 40 CFR Part 75, Continuous Emission Monitoring, Subpart C, Operation and Maintenance Requirements, which includes by reference Appendix A to part 75, Specifications and Test Procedures, and Appendix B to Part 75, Quality Assurance and Quality Control procedures.

2. For units subject to a federal New Source Performance Standard and required by that standard to install a continuous emission monitoring system; 40 CFR Part 60.13, Monitoring requirements. Section (a) includes by reference 40 CFR Part 60, Appendix B to part 60, Performance Specifications, and Appendix F to part 60, Quality Assurance Procedures.

3. For units subject to the provisions of Subsection A.2 or A.3; 40 CFR, Part 51, Appendix P, Sections 3.0 through 3.9.5. Section 3.1 of Appendix P shall include 40 CFR, Part 60, Appendix B, Performance Specification 4, for Carbon Monoxide. Equivalent specifications may be established by mutual agreement of the District, the Air Resources Board and the Environmental Protection Agency.

4. For units subject to the provisions of Subsection A.4; specifications established by the Air Pollution Control Officer.

D. Appeals and Discontinuance of Monitoring

1. The owner or operator of a unit required to install, maintain and operate continuous monitoring systems pursuant to Subsection A.4 of this Rule may petition the Hearing Board to appeal the Air Pollution Control Officer's decision.

2. The owner or operator of a unit subject to the provisions of Subsection A.4 of this Rule may be allowed to discontinue use of the continuous monitoring systems if, as determined by the Air Pollution Control Officer, the reason for monitoring no longer exists.

E. Definitions

Definitions appear in the applicable sections of federal code, which includes, but is not limited to;

- 40 CFR part 72 (Acid Rain), Subpart A, Section 72.2,
- 40 CFR part 60 (NSPS), Subpart A, Section 60.2, and
- any definitions that appear in cited federal specifications and procedures.

Alternative definitions may be established by mutual agreement of the District, the Air Resources Board and the Environmental Protection Agency. Other definitions appear in applicable rules.

1. "Capacity factor": The ratio of fuel used by an applicable unit compared to the fuel that would have been used by the unit if it had operated at its rated heat input capacity for the entire year. The capacity factor is calculated from a unit's reported fuel consumption.