



**RULE 74.15.1
BOILERS, STEAM GENERATORS, AND PROCESS HEATERS
SCREENING AND SOURCE TESTING**

Revisions for Units Equal to or Greater Than 1 Million BTU per Hour and Less Than or Equal to 2 Million BTU per Hour

Recent revisions to Ventura County Air Pollution Control District (District) Rule 74.15.1 apply to any boiler, steam generator, or process heater (unit) with a rated heat input capacity equal to or greater than 1 million BTU per hour (BTU/hr) and less than or equal to 2 million BTU/hr.

Beginning September 11, 2012, units with an annual heat input equal to or greater than 1.8 billion BTU must be; 1) screened for oxides of nitrogen (NO_x) and carbon monoxide (CO) emissions annually, and; 2) source tested, every four years, by a California Air Resources Board (CARB) approved independent contractor, using CARB Method 100. Each screening analysis or source test shall demonstrate compliance with a NO_x emission limit of 30 parts per million volume (ppmv) and a CO emission limit of 400 ppmv, both referenced to three (3) percent volume stack gas oxygen on a dry basis.

All new units, units that are sold, offered for sale, or installed after January 1, 2013, must meet a NO_x emission limit of 20 ppmv. New units shall also be certified by the South Coast Air Quality Management District (SCAQMD) in accordance with the requirements of SCAQMD Rule 1146.2 adopted May 5, 2006. (Note: In the future some new units may be required to meet a more stringent NO_x emission limit due to Best Available Control Technology requirements).

Source testing must be conducted upon initial installation and then not less than once every forty-eight (48) months thereafter. For existing units, the first source test shall be scheduled forty-eight (48) months after the last source test conducted prior to September 11, 2012. As a courtesy, the District will notify operators at least thirty (30) to sixty (60) days prior to the new source test date.

Screening Analysis Information

An operator shall perform an annual screening analysis for NO_x and CO emissions on all units unless a source test, as specified above, is required for that year. Screening analyses shall be performed using a portable analyzer calibrated, maintained, and operated according to the manufacturer's specifications, or approved in writing by the Air Pollution Control Officer (APCO). Portable analyzer operators shall obtain training on the operation and maintenance of the analyzer. The District will allow the source or an outside company to conduct the screening analysis.

The operator shall submit a report of the screening analysis to the APCO within forty-five (45) days after first achieving compliance and every twelve (12) months thereafter. The report shall contain information and/or documentation to verify that each screening analysis has been performed and the results were satisfactory. Copies of instrument printouts should be included, if available.

A unit shall be in violation if, according to a screening analysis, it is operated out of compliance with the NOx and/or CO emission limits. A violation will be determined by the following: An out-of-compliance screening analysis shall be reported to the District within seven (7) calendar days. The unit shall be checked and/or adjusted and a second screening analysis or source test shall be performed within fourteen (14) calendar days of the initial screening analysis. The results of the second analysis shall be reported to the District within seven (7) days. If the unit remains out of compliance, a violation has occurred.

The operator shall notify the District by telephone twenty-four (24) hours prior to conducting any screening analysis. Telephone calls shall be made to the District's 24-hour notification line at 805/654-2797.

Reporting Requirements

Information required to be submitted to the APCO should be sent to the following address:

**Ventura County Air Pollution Control District
Attention: Ed Swede, Air Quality Engineer
669 County Square Drive, Second Floor
Ventura, CA 93003**

QUESTIONS?

If you have any questions regarding Rule 74.15.1, if you need a copy of the rule, or have any questions regarding this advisory, please contact Air Quality Engineer Ed Swede at 805/645-1413.