



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

Low Usage Units Greater Than or Equal to 1 Million BTU/per Hour and Less Than 5 Million BTU per Hour

Recent revisions to Ventura County Air Pollution Control District (District) Rule 74.15.1 may apply to units with a rated heat input of greater than or equal to 1 million BTU per hour (BTU/hr) and less than 5 million BTU/hr, and with an annual heat input rate of equal to or greater than 0.3 billion BTU and less than 1.8 billion BTU.

Persons operating these units may comply with Rule 74.15.1 by continuing to perform tune-ups, or they may choose to comply with the source testing and screening analysis requirements in the sections labeled Source Test Information and Screening Analysis Information, below. There are no tune-up requirements for units with an annual heat input rate less than 0.3 billion BTU.

Any operator opting to continue complying with Rule 74.15.1 using tune ups, must tune each unit every six (6) months, or after 750 hours of operation since the previous tune-up, whichever occurs last, but not less than once per calendar year. Each unit shall be tuned in accordance with procedures described in Attachment 1 for forced draft-fired equipment, or Attachment 2 for natural draft-fired equipment. The operator shall submit a report to the APCO within forty-five (45) days after achieving first compliance and every twelve months thereafter. The report shall contain information and/or documentation to verify that each tune-up has been performed and the results were satisfactory. The District also requires fuel consumption summaries for the rolling twelve (12) calendar month periods prior to the each tune-up.

Source Test Information

In lieu of performing tune-ups, an operator of a low-use unit with a rated heat input capacity equal to or greater than 1million BTU/hr and less than or equal to 2 million BTU/hr may opt to have the unit source tested, one year after the last tune up and then not less than once every forty eight (48) months, by a California Air Resources Board (CARB) approved independent contractor, using CARB Method 100. Each source test shall demonstrate compliance with a NOx 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.

In lieu of performing tune-ups, an operator of a low-use unit with a rated heat input capacity greater than 2 million BTU/hr and less than 5 million BTU/hr may opt to have the unit source tested, one year after the last tune up and then not less than once every twenty four (24) months, by a California Air Resources Board (CARB) approved independent contractor, using CARB Method 100. Each source test shall demonstrate compliance with a NOx emission limit of 30

ppmv and a CO emission limit of 400 ppmv, both referenced to three (3) percent volume stack gas oxygen on a dry basis. For existing units already complying with this option, the source test schedule will not change. The District will continue to notify any operator of a unit choosing this option at least thirty (30) to sixty (60) days prior to the next source test date. Screening analyses will be performed during alternate years between source tests.

Screening Analysis Information

In lieu of performing tune-ups, the 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 to the APCO within forty-five (45) days after first achieving compliance and every twelve (12) months or twenty-four (24) months thereafter, depending on the size of the unit. 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 NO_x 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: Lyle Olson, Air Quality Engineer
669 County Square Drive, Second Floor
Ventura, CA 93003**

QUESTIONS?

If you have any questions regarding Rule 74.15.1, need a copy of the rule, or have any questions regarding this advisory, please contact air quality engineer Lyle Olson at 805/645-1413.