



**ATTENTION: RECENT REVISIONS TO APCD RULE 74.15.1
BOILERS, STEAM GENERATORS, AND PROCESS HEATERS**

On June 23, 2015, the Ventura County Air Pollution Control Board adopted revisions to Rule 74.15.1, “Boilers, Steam Generators and Process Heaters.” The revised rule includes a number of changes, some that are effective January 1, 2016, and some that became effective as of June 23, 2015.

The provisions of the revised rule apply to any gaseous fuel or liquid fuel fired boiler, steam generator or process heater. Gaseous fuels include natural gas, landfill gas, biogas, liquefied petroleum gas (LPG), and produced oilfield gas. In addition the rule applies to both stationary and portable process heaters.

EMISSION LIMITS

Existing units with an annual heat input rate of equal to or greater than 1.8×10^9 BTU, must meet an oxides of nitrogen (NOx) emission limit of 30 parts per million volume (ppmv), which is unchanged from the previous version of this rule.

New or replacement units with a rated heat input capacity equal to or greater than 1 million BTU/hr. and less than or equal to 2 million BTU/hr., must meet a NOx emission limit of 20 ppmv or 0.025 lbs/MBTU heat input and must, prior to installation, be certified by the South Coast Air Quality Management District in accordance with the requirements of SCAQMD Rule 1146.2, adopted May 5, 2006.

New or replacement units with a rated heat input capacity greater than 2 million BTU/hr and less than 5 million BTU/hr, must, after January 1, 2016, meet either of the applicable NOx limits in the table below.

CATEGORY	LIMITS
Units fired on Natural Gas- Atmospheric	12 ppm or 0.015 lbs/MMBTU heat input
Units fired on Natural Gas- Pressurized	9 ppm or 0.011 lbs/MMBTU heat input
Units fired on Landfill Gas	25 ppm or 0.031 lbs/MMBTU heat input
Units fired on Biogas	15 ppm or 0.019 lbs/MMBTU heat input
Units fired on Liquefied Petroleum Gas	20 ppm or 0.025 lbs/MMBTU heat input
Units fired on Produced Oilfield Gas - Atmospheric	15 ppm or 0.019 lbs/MMBTU heat input
Units fired on Produced Oilfield Gas – Pressurized	12 ppm or 0.015 lbs/MMBTU heat input

All units, whether existing, new, or replacement must meet a carbon monoxide (CO) emission limit of 400 ppmv or 0.30 lbs/MMBTU.

SOURCE TEST FREQUENCY

Existing units with a rated heat input capacity of less than or equal to 2 million BTU/hr, must test for compliance, using ARB Method 100, not less than once every 48 months. The first test on this schedule shall be 48 months after the last source test conducted prior to September 11, 2012.

Existing units with a rated heat input capacity greater than 2 million BTU/hr, must test for compliance not less than once every 24 months.

New or replacement units shall test for compliance upon initial installation and then not less than once every 48 months. The first source test on this test schedule shall be 48 months after the last source test conducted prior to September 11, 2012.

SCREENING ANALYSIS FREQUENCY

All units subject to emission limits shall perform an annual screening analysis of NO_x and CO emissions, using a calibrated portable analyzer, unless a source test is required that year. The deadline for performing annual screenings is no later than the yearly anniversary date of the last source test.

TUNE UP REQUIREMENTS

Any unit with an annual heat input rate of equal to or greater than 0.3×10^9 BTU and less than 1.8×10^9 BTU (less than 2.8×10^9 BTU for portable oil well dewaxing process heaters) is not subject to the above-mentioned emission limits, but the unit must be tuned every 6 months or after 750 hours of operation since the last tune-up, whichever occurs last, but at least once per calendar year.

Any person owning and/or operating a boiler, steam generator, or process heater with an annual heat input rate of less than 2.8×10^9 BTU and not subject to the emission limits above must install a totalizing fuel meter accurate to \pm one (1) percent, as certified by the manufacturer for each unit and each fuel.

The revised rule contains a number of recordkeeping and reporting requirements, depending on the status of the subject unit. Records must be kept for units that are subject to tune-ups rather than emission limits. Records of annual screenings must also be kept. Any person claiming an exemption from emission limits, based on low fuel use, must keep fuel use records to substantiate the exemption.

This advisory is intended to alert owners and operators of applicable units to recent revisions to Rule 74.15.1, "Boilers, Steam Generators and Process Heaters." It is not intended to be a complete reference or guide. If you have any questions regarding which requirements apply to your specific unit, or if you would like to review all of the rule requirements, you should consult Rule 74.15.1. You can download the entire text of the revised APCD Rule 74.15.1 here:

<http://www.vcapcd.org/Rulebook/Reg4/RULE%2074.15.1.pdf>

If you have any questions regarding APCD Rule 74.15.1, or need additional information, contact Ed Swede, Air Quality Engineer at (805) 645 – 1413 and ed@vcapcd.org.