



August 29, 2008

NOTICE OF WORKSHOP

FOR DISCUSSION OF PROPOSED NEW RULE 69.2.1 - SMALL INDUSTRIAL AND COMMERCIAL BOILERS, PROCESS HEATERS AND STEAM GENERATORS

The San Diego County Air Pollution Control District (District) will hold a public meeting to consider comments concerning proposed new District Rule 69.2.1 – Small Industrial and Commercial Boilers, Process Heaters and Steam Generators. Comments may be submitted in writing before, or made at, the workshop, which is scheduled as follows:

DATE: October 7, 2008
TIME: 1:30 p.m. to 3:30 p.m.
PLACE: San Diego Air Pollution Control District
Main Conference Room
10124 Old Grove Road
San Diego, CA 92131

San Diego County does not meet the National and State Ambient Air Quality Standards for ozone and is classified as a nonattainment area for these ozone standards. Both federal and state laws require the District to implement rules that control emissions of ozone precursors - volatile organic compounds (VOC) and oxides of nitrogen (NOx). The proposed new Rule 69.2.1 will control NOx emissions from new combustion units - industrial and commercial boilers, process heaters, and steam generators with a heat rate input between 600,000 Btu per hour and 2,000,000 Btu per hour. It will not affect any facility that currently operates such a unit until the unit is replaced, or a new unit is installed. Rule 69.2.1 will also fulfill State requirements to implement all feasible control measures that reduce emissions of nitrogen oxides.

Specifically, the proposed new rule will:

- Provide a definition of a new unit based on the date of adoption of Rule 69.2.1 by the Air Pollution Control Board.
- Specify a NOx emissions limit of 30 parts per million (ppmv) for new units when operated on gaseous fuel and of 40 ppmv when operated on liquid fuel.
- Prohibit the manufacture, sale, offer for sale, distribution for use, or installation within San Diego County of any new boiler, process heater, or steam generator with a heat input rating from 600,000 Btu/hr to 2 million Btu/hr that does not comply with the emissions standards of the rule.

OVER

- Require a manufacturer of any unit to be offered for sale within San Diego County, to submit to the District a statement certifying that each model of boiler, process heater, or steam generator complies with the provisions of the rule.
- Require a manufacturer to display on the shipping carton and the nameplate of every unit to be offered for sale within San Diego County, the model number and certification status of the unit in compliance with the most current requirements of the South Coast Air Quality Management District Rule 1146.2.
- Require a manufacturer to keep emissions test records and certification records for as long as the unit model is offered for sale or sold within San Diego County, or for three calendar years after manufacture, whichever is longer.
- Provide the affected facilities a one-year period after the date of adoption of Rule 69.2.1 to comply with all the applicable requirements.

If you would like a copy of the proposed new Rule 69.2.1, please visit the District's website at www.sdapcd.org, under Rules & Regulations, Public Workshop Schedule, or you may call Janet McCue at (858) 586-2712. If you have any questions concerning the rule, please contact Randy Consolacion at (858) 586-2752 or Natalie Yates at (858) 586-2756.



ROSA MARIA S. ABREU, Assistant Director
Air Pollution Control District

RMA:NY:jlm

RULE 69.2.1 SMALL INDUSTRIAL AND COMMERCIAL BOILERS, PROCESS HEATERS AND STEAM GENERATORS

(Adopted *(date of adoption)*; Effective *(one year from date of adoption)*)

(a) **APPLICABILITY**

Except as otherwise provided in Section (b), this rule shall apply to any person who manufactures, sells, offers for sale or distributes for use within San Diego County, or installs within San Diego County a new boiler, process heater, or steam generator with a heat input rating from 600,000 Btu per hour to 2 million Btu per hour.

(b) **EXEMPTIONS**

(1) The provisions of this rule shall not apply to the following:

(i) Any waste heat recovery boilers that are used to recover heat from the exhaust of gas turbines, internal combustion engines, or other combustion equipment.

(ii) Furnaces, kilns, and any combustion equipment where the material being heated is in direct contact with the products of combustion.

(iii) Thermal oxidizers and associated waste heat recovery equipment.

(c) **DEFINITIONS**

For the purposes of this rule, the following definitions shall apply:

(1) **"Boiler" or "Steam Generator"** means any combustion equipment fired with gaseous and/or liquid fuel and used to produce steam or to heat water.

(2) **"Btu"** means British thermal unit.

(3) **"Furnace"** means any enclosed structure in which heat is produced by the combustion of any fuel.

(4) **"Heat Input Rating"** means the maximum steady state heat input capacity of a unit, in Btu per hour, as specified by the manufacturer.

(5) **"Kiln"** means an oven, furnace, or heated enclosure used for processing a substance by burning, firing, or drying.

(6) **"New Unit"** means a unit installed, manufactured, or sold on or after *(one year after date of adoption)*.

(7) **"Process Heater"** means any combustion equipment fired with liquid and/or gaseous fuel and which transfers heat from the combustion gases to water or process streams. Heaters used for swimming pools, spas and/or therapy pools shall be considered process heaters.

(8) **"Thermal Oxidizer"** means combustion equipment fired with gaseous fuel and used to control emissions of air contaminants from industrial or commercial processes.

(9) **"Unit"** means any boiler, steam generator, or process heater.

(d) **STANDARDS**

Except as otherwise provided in Section (b), effective (*one year after date of adoption*), no person shall manufacture, distribute, sell, offer for sale, or install within San Diego County any new unit that has:

(1) Emissions of oxides of nitrogen, calculated as nitrogen dioxide at 3% oxygen on a dry basis, that exceed the following levels:

(i) 30 parts per million by volume when operated on a gaseous fuel.

(ii) 40 parts per million by volume when operated on a liquid fuel.

(2) Emissions of carbon monoxide, calculated at 3% oxygen on a dry basis, that exceed 400 parts per million by volume.

(e) **CERTIFICATION STATEMENT**

(1) A manufacturer of any unit to be offered for sale within San Diego County shall submit to the Air Pollution Control Officer a statement certifying that each model of boiler, process heater, or steam generator subject to the requirements of Section (d) of this rule complies with the provisions of this rule.

(i) The statement shall be signed, dated, and attested to the accuracy of all information by a representative of the manufacturer.

(ii) The statement shall be submitted at least 30 days before the unit model is offered for sale, sold, or installed within San Diego County.

(iii) The statement shall include:

(A) Brand name,

(B) Model number,

(C) Heat input rating as specified on the nameplate, and

(D) Oxides of nitrogen and carbon monoxide emission test results of each model being certified.

(2) A manufacturer shall submit to the Air Pollution Control Officer a new certification statement for any unit model whose design is changed in any manner which may alter oxides of nitrogen or carbon monoxide emissions.

(3) Alternatively, to comply with Subsections (e)(1) or (e)(2), a manufacturer may submit to the Air Pollution Control Officer a South Coast Air Quality Management District certification statement for the unit model.

(f) **LABELING**

A manufacturer shall display on the shipping carton and the nameplate of every unit to be offered for sale within San Diego County, the model number and certification status of the unit complying with the most current requirements of the South Coast Air Quality Management District Rule 1146.2.

(g) **RECORDKEEPING**

A manufacturer shall keep test records for oxides of nitrogen and carbon monoxide emissions and certification records for as long as the unit model is offered for sale or sold within San Diego County, or for three calendar years after date of manufacture, whichever is longer. Such records shall be provided to the San Diego County Air Pollution Control District upon request.

(h) **TEST METHODS**

To determine compliance with Section (d) of this rule, the manufacturer shall conduct measurements of oxides of nitrogen and carbon monoxide contents in accordance with:

(1) San Diego County Air Pollution Control District Test Method 100 as approved by the federal Environmental Protection Agency, or

(2) South Coast Air Quality Management District Test Method 100.1 as approved by the federal Environmental Protection Agency.