



September 11, 2020

COMPLIANCE ADVISORY

ADOPTION OF NEW RULE 69.2.2 MEDIUM BOILERS, PROCESS HEATERS, AND STEAM GENERATORS (HEAT INPUT RATING GREATER THAN 2 MILLION BTU/HR TO LESS THAN 5 MILLION BTU/HR) EFFECTIVE JULY 1, 2021

The San Diego County Air Pollution Control District (District) adopted Rule 69.2.2 for Medium Boilers, Process Heaters, and Steam Generators on July 8, 2020. This rule will become effective July 1, 2021, and an application for a Certificate of Registration or an application for an Authority to Construct/Permit to Operate must be submitted to the District by July 1, 2021.

San Diego County currently does not meet the National and State Ambient Air Quality Standards for ozone and is designated as an ozone nonattainment area. Federal and State law require the District to adopt new and amended rules to further control and reduce ozone-forming emissions including oxides of nitrogen (NO_x) from boilers, process heaters, and steam generators. These requirements are similar to existing regulatory requirements in several California air districts, and the emissions control technology, such as low-NO_x burners, is well established.

For New Units

- Rule 69.2.2(a) prohibits the manufacture, sale, offer for sale, or distribution (for use within San Diego County), or the installation or operation (within San Diego County), of any new boiler, process heater, or steam generator with a heat input rating greater than 2 million Btu/hr to less than 5 million Btu/hr. that is not certified by the District to comply with the emissions standard of the rule.
- Rule 69.2.2(d)(1)(i)(A), (B) specifies a NO_x emissions limit of 30 parts per million (ppmv) for new units when operated on gaseous fuel, and 40 ppmv when operated on liquid fuel.
- Rule 69.2.2(d)(2) prohibits the operation of any new units unless it is initially tuned no later than one year after the date of installation and tuned at least once every calendar year thereafter. No two tuning events shall occur within 90 days of each other.
- Rule 69.2.2(e) requires that any owner or operator of a new unit, which is capable of burning both gaseous and liquid fuel, to install:
 - a non-resettable, totalizing meter in each fuel line to measure the mass flow rate of each fuel to the unit; or
 - a non-resettable, totalizing meter in each fuel line to measure the volumetric flow rate, temperature, and pressure of each fuel to the unit.

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- Rule 69.2.2(h)(2) requires that any owner or operator of a new unit capable of burning both gaseous and liquid fuel to maintain recordkeeping of the annual average higher heating value and annual usage of each fuel.

For Existing or Relocated Units

- Rule 69.2.2(d)(3) prohibits the operation of any existing or relocated unit unless it is initially tuned no later than January 1, 2022, and tuned at least once every calendar year thereafter. No two tuning events shall occur within 90 days of each other.

For All Units (New or Existing)

- An application for a Certificate of Registration under Rule 12 (Registration of Specified Equipment) must be submitted to the District by July 1, 2021, to permit any boiler, process heater, or steam generator with a heat input rating between 2 – 5 million Btu/hr.
 - Owners or operators of boilers, process heaters, or steam generators subject to Rule 69.2.2 may apply for an Authority to Construct/Permit to Operate in lieu of a Certificate of Registration.
 - Existing units will require applications submitted to the District between April 1, 2021, and July 1, 2021, to certify they will comply with the annual tune-up and recordkeeping requirements of this rule.
- Rule 69.2.2(h) requires that any owner or operator:
 - maintain documentation verifying the required annual tune-ups;
 - monitor and record the cumulative annual hours of operation on liquid fuel if the unit burns liquid fuel during natural gas curtailment, an emergency, or equipment testing purposes.

If you have any questions, please contact the Compliance Division at (858) 586-2650 or apcdcomp@sdcountry.ca.gov. For permitting questions, please contact (858) 586-2600 and ask for the duty engineer, or email apcdpermits@sdcountry.ca.gov.