



May 4, 2010

COMPLIANCE ADVISORY

NOTICE OF AMENDMENTS TO RULE 69.3.1 STATIONARY GAS TURBINE ENGINES - BEST AVAILABLE RETROFIT CONTROL TECHNOLOGY

Rule 69.3.1 was originally adopted on December 16, 1998, to regulate emissions of oxides of nitrogen (NO_x) from stationary gas turbines. On February 24, 2010, Rule 69.3.1 was amended to fulfill the Air Pollution Control District's (District) commitment in the San Diego County Regional Air Quality Strategy (RAQS) to implement all feasible control measures as required by State law.

Specifically, the amendments will:

- Prohibit the operation of peaking turbines on forecast ozone exceedance days (except for days on which an electrical grid emergency has been declared by the California Independent System Operator), unless they comply with the most stringent standard in the rule applicable to that size of turbine.
- Specify that the higher NO_x emission standards for peaking units operating less than 877 hours per calendar year and larger than 4 MW are only applicable to peaking units installed on or before December 16, 1998.
- For combined-cycle turbines, exempt startups under certain conditions from the NO_x emission standards of the rule for a maximum period of 360 minutes.
- For turbines equipped with dry low NO_x combustors, exempt periods of operation at low load from the NO_x emission standards of the rule. The periods of operation at low load shall not exceed 130 minutes per day, 780 minutes per year, and the turbine must be equipped with a continuous emission monitoring system that monitors fuel flow and electrical output.
- Clarify monitoring and recordkeeping provisions.
- Require an owner or operator of any peaking or emergency gas turbine to install a non-resettable hour meter if deemed necessary by the District.
- Update the test method references.

- For units subject to the federal Acid Rain Program, specify that source tests are to be conducted at a frequency in accordance with 40 CFR Part 75, Appendix B, Sections 2.3.1 and 2.3.3.
- Add definitions for combined-cycle gas turbine engine, dry low NOx combustor, electrical grid emergency, extended startup and period of operation at low load.
- Clarify and revise the definitions for emergency situation, manufacturer's rated thermal efficiency, power rating, shutdown and startup.

In addition, the rule amendments provide other minor clarifications and updates.

If you would like a copy of amended Rule 69.3.1, please visit the District's website at www.sdapcd.org under Rules & Regulations. If you have any questions concerning the rule, please contact Randy Consolacion at (858) 586-2752 or Steven Moore at (858) 586-2750. If you have any compliance related questions, please contact Gary Hartnett at (858) 586-2671.

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