



San Diego County Air Pollution Control District

January 14, 2022

COMPLIANCE ADVISORY

Rule 69.3.1 – Stationary Gas Turbine Engines

On December 9, 2021, the San Diego County Air Pollution Control District (District) Governing Board adopted revisions to District Rule 69.3.1 – Stationary Gas Turbine Engines.

Rule 69.3.1, last amended on February 24, 2010, contains health-protective State requirements for stationary gas turbine engines (units) with a power rating of 0.3 megawatt (MW) or greater.

The adopted revisions to Rule 69.3.1:

- Clarify rule language, including a definition of “Testing or Maintenance”.
- Incorporate applicable Rule 69.3 provisions.
- Remove outdated requirements, including requirements for peaking units that have since been retired from operation.
- Reference current ASTM Test Methods to determine the higher heating value and lower heating value of fuels.
- Modify NO_x emissions concentration limits. The modified limits are as follows:

(1) Except as provided for in Section (b) Exemptions and Subsection (d)(2), the emissions concentration in parts per million by volume (ppmv) of NO_x from any unit subject to this rule, calculated as nitrogen dioxide at 15% oxygen on a dry basis, shall not exceed the following:

<u>Power Rating (Gross Megawatts)</u>	<u>NO_x Emissions Concentration</u> <u>(ppmv @ 15% O₂)</u>	
	<u>Gaseous Fuel</u>	<u>Liquid Fuel</u>
≥0.3 and <2.9	42	65
<4.0 and operating less than 877 hours per calendar year	42	65
≥2.9 and <10.0	25 x E/25	65
≥10.0 without installed post-combustion air pollution control equipment	15 x E/25	42 x E/25
≥10.0 with installed post-combustion air pollution control equipment	9 x E/25	25 x E/25

(2) Except as provided for in Section (b) Exemptions, and notwithstanding Subsection (d)(1), the emissions concentration in parts per million by volume (ppmv) of NO_x from any unit subject to this rule, calculated as nitrogen dioxide at 15% oxygen on a dry basis, shall not exceed the following:

<u>Unit Description</u>	<u>NO_x Emissions Concentration</u> <u>(ppmv @ 15% O₂)</u>	
	<u>Gaseous Fuel</u>	<u>Liquid Fuel</u>
Combined-cycle units, following the first 120 consecutive minutes of an extended startup	42	65

A copy of the adopted revised rule is available on the District's website at <https://www.sdapcd.org/content/dam/sdapcd/documents/rules/current-rules/Rule-69.3.1.pdf>. If you have any compliance questions, please contact the District's Compliance Division at (858) 586-2650 or apcdcomp@sdapcd.org. For source test questions, please contact the District's Monitoring and Technical Services Division at (858) 586-2600 or airinfo@sdapcd.org.