



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- Remove outdated requirements, including requirements for peaking units that have since been retired from operation.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 NOx 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 NOx 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>NOx 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.