



September 11, 2020

COMPLIANCE ADVISORY

AMENDMENT OF RULE 69.4.1 STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES AND REPEAL OF RULE 69.4 STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES- REASONABLY AVAILABLE CONTROL TECHNOLOGY EFFECTIVE JULY 8, 2020

The San Diego County Air Pollution Control District (District) has recently revised District Rule 69.4.1 – Stationary Reciprocating Internal Combustion Engines which became effective on July 8, 2020. These changes replaced Rule 69.4, which has been repealed.

Subsequent to the adoption of Rule 69.4.1 in 2000, federal New Source Performance Standards and a State Air Toxic Control Measure were promulgated which further limited the allowable air pollutant emissions from stationary engines. These federal and state regulations are currently in effect and affected sources are already subject to these requirements.

The District has revised Rule 69.4.1 to incorporate these regulations, which includes **updated annual maintenance requirements**.

New or Replacement Engines

- Rule 69.4.1(b)(1)(ii) provides an exemption from the rule for a new or replacement engine used in agricultural operations that is located at a site that is exempt from Permit to Operate requirements.
- Rule 69.4.1(b)(2)(ii)(B) provides an exemption from the emission standards for new or replacement engines during commissioning periods of no more than 100 hours.
- Rule 69.4.1(d)(1)(ii) specifies lower emission standards for the following new or replacement engine categories: prime gaseous-fueled; prime diesel-fueled (Tier 4 final certified); emergency standby gaseous-fueled; and emergency standby diesel-fueled (Tier 2 or Tier 3 certified).
- Rule 69.4.1(e)(4) requires an owner or operator of a new or replacement non-emergency gaseous-fueled engine rated at 1,000 bhp or greater and permitted to operate more than 2,000 hours per calendar year to install, operate, and maintain in calibration a Continuous Emissions Monitoring System (CEMS) to continuously measure and record oxygen concentration, and NO_x and CO emission concentrations corrected to 15% oxygen.
- Rule 69.4.1(i)(3) requires a new or replacement non-emergency gaseous-fueled engine rated at 1,000 bhp or greater and permitted to operate more than 2,000 hours per calendar year to conduct a Relative Accuracy Test Audit (RATA) for its CEMS at least once every permit year.

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Existing and New or Replacement Engines

- Rule 69.4.1(b)(2)(i) provides an exemption from the emission standards for an engine during startup and shutdown periods.
- Rule 69.4.1(e)(5) requires a trained operator to use a portable analyzer to take emission readings to verify compliance with the rule emission standards during any calendar quarter in which a source test is not performed for prime gaseous-fueled engine, unless otherwise exempted in the rule.

Annual Maintenance

- Rule 69.4.1(f)(2) requires annual maintenance to include:
 - changing the oil and filter, or testing the oil in accordance with the requirements of 40 CFR Part 63, Sections 63.6625(i) or 63.6625(j);
 - inspecting and cleaning air filters, and replacing as necessary;
 - inspecting all hoses and belts, and replacing as necessary; and
 - inspecting spark plugs, if equipped, and replacing as necessary.
- Rule 69.4.1(g)(2)(i) requires maintaining an operating log containing:
 - dates and elapsed times of every instance of emergency standby engine operation either based on actual readings of engine hour or fuel meter;
 - time of day of every instance of emergency standby diesel engine operation for testing or maintenance located within 500 feet of school grounds.
- Rule 69.4.1(g)(2)(i)(A), (B), (C) requires documentation from a serving utility for a total external power outage; a description of what caused the failure, and receipts and/or work orders for the necessary repairs for internal power outages; and a description of the incident for a partial external power outage.
- Rule 69.4.1(g)(7) requires written notification to the District within 10 calendar days of replacing an engine hour meter.

If you have any questions, please contact the Compliance Division at (858) 586-2650 or apcdcomp@sdcounty.ca.gov.

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