

Compliance Certification for Agricultural IC Engines

The following federally enforceable requirements may apply to internal combustion (IC) engines at your facility. We have summarized each applicable requirement. Not all sections of each rule are included. The complete rules can be viewed online at www.sbcpd.org/rules/dlrules.htm. For each requirement listed, you must check whether you are in compliance and if not, enter a proposed compliance date and include a separate attachment describing the actions you will take to achieve compliance by the proposed date. For assistance, contact your permit engineer or our Business Assistance Line, 961-8868.

Rule 304 - Particulate Matter – Northern Zone

A person shall not discharge into the atmosphere from any source particulate matter in excess of 0.3 grains per cubic foot of gas at standard conditions.

Method used for determining compliance:

I have knowledge that no emissions from any discrete point source of air pollution within the stationary source exceed the limits of Rule 304.

Compliance Status:

- | | | |
|---|--|---|
| <input type="checkbox"/> in compliance with rule 304 and will continue to comply with all requirements. | <input type="checkbox"/> not in compliance with rule 304 at this time, but will be by: __/__/____ (submit plan per instructions) | <input type="checkbox"/> these requirements do not apply to my farming operations because no equipment operated at the stationary sources is subject to Rule 304. |
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Rule 305 - Particulate Matter Concentration – Southern Zone

A person shall not discharge into the atmosphere from any source particulate matter in excess of the concentration shown in Table 305(a).

The provisions of this Rule shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.

Method used for determining compliance:

I have knowledge that no emissions from any discrete point source of air pollution within the stationary source exceed the limits of Rule 305.

Compliance Status:

- | | | |
|---|--|---|
| <input type="checkbox"/> in compliance with rule 305 and will continue to comply with all requirements. | <input type="checkbox"/> not in compliance with rule 305 at this time, but will be by: __/__/____ (submit plan per instructions) | <input type="checkbox"/> these requirements do not apply to my farming operations because no equipment operated at the stationary sources is subject to Rule 305. |
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Rule 309 – Specific Contaminants

- A. A person shall not discharge into the atmosphere from any single source of emission any one or more of the following contaminants, in any state or combination thereof, exceeding in concentration at the point of discharge:
 - 1. Sulfur compounds calculate as SO₂: 0.2%, by volume.
 - 2. Combustion Contaminants:
 - a. Northern Zone: 0.3 grains/ft³ of gas calculated to 12% CO₂
 - b. Southern Zone: 0.1 grains/ft³ of gas calculated to 12% CO₂
- E. Fuel Burning Equipment
 - 3. A person shall not build, erect, install or expand any non-mobile fuel burning equipment unit unless the discharge into the atmosphere of contaminants will not exceed any of the following rates:
 - a. 200 lbs./hr. of sulfur compounds calculated as SO₂
 - b. 140 lbs./hr. of nitrogen oxides, calculated as NO₂
 - c. 10 lbs./hr. of combustion contaminants derived from the fuel.

Method used for determining compliance:

I have knowledge that no emissions from any discrete point source of air pollution within the stationary source exceed the limits of Rule 309. Source test results or other data that verify compliance are attached.

Compliance Status:

- in compliance with rule 309 and will continue to comply with all requirements. not in compliance with rule 309 at this time, but will be by: __/__/____ (submit plan per instructions) these requirements do not apply to my farming operations because no equipment operated at the stationary sources is subject to Rule 309.

Rule 311 – Sulfur Content of Fuels

- B. No person shall burn within any portion of the Southern Zone any gaseous fuel containing sulfur compounds in excess of 15 grains per 100 cubic feet (calculated as H₂S) or any liquid fuel having sulfur content in excess of 0.5% by weight.
- C. No person shall burn within any portion of the Northern Zone any gaseous fuel containing sulfur compounds in excess of 50 grains per 100 cubic feet (calculated as H₂S) or any liquid fuel having sulfur content in excess of 0.5% by weight.

Method used for determining compliance:

I have knowledge that all fuels used at this stationary source comply with the sulfur content limitations stipulated in Rule 311.

Compliance Status:

- in compliance with rule 311 and will continue to comply with all requirements. not in compliance with rule 311 at this time, but I will be by: __/__/____ (submit plan per instructions). these requirements do not apply to my farming operations because no equipment operated at the stationary sources is subject to Rule 311.

Rule 333 - Control of Emissions from Reciprocating Internal Combustion Engines.

A. Applicability

1. The provisions of this rule apply to all stationary engines with a rated brake horsepower of 50 or greater and which are fueled by natural gas, field gas, liquefied petroleum gas, diesel fuel, gasoline or any other liquid fuel. (The rule applies to engines with horsepower ≥ 50 but < 100 only if the aggregate horsepower of all engines ≥ 20 hp and < 100 hp at the source exceeds 500 horsepower)

B. Exemptions

2. Engines that operate less than 200 hours per calendar year are exempt from Sections D., E., F., and G. of this rule. To qualify for this exemption the owner or operator shall maintain and record in a log, as required in Section H., the engine hour meter reading every first working day of each calendar quarter.

D. Requirements – Emission Limits

1. Noncyclic Rich Burn Engines:

NOx: 50 ppmv @ 15% O₂ or 152 ppmv @ 3% O₂; or reduction of NOx across the control device of at least 90% of uncontrolled NOx emissions

ROC: 250 ppmv @ 15% O₂ or 758 ppmv @ 3% O₂

CO: 4500 ppmv @ 15% O₂ or 13,653 ppmv @ 3% O₂

2. Noncyclic Lean Burn Engines:

NOx: 125 ppmv @ 15% O₂ or 380 ppmv @ 3% O₂; or reduction of NOx across the control device of at least 80% of uncontrolled NOx emissions

ROC: 750 ppmv @ 15% O₂ or 2,275 ppmv @ 3% O₂

CO: 4500 ppmv @ 15% O₂ or 13,653 ppmv @ 3% O₂

3. Cyclic Engines:

NOx: 50 ppmv @ 15% O₂ or 152 ppmv @ 3% O₂; or reduction of NOx across the control device of at least 90% of uncontrolled NOx emissions

ROC: 250 ppmv @ 15% O₂ or 758 ppmv @ 3% O₂

CO: 4500 ppmv @ 15% O₂ or 13,653 ppmv @ 3% O₂

4. Diesel Engines

NOx: 8.4 grams/bhp-hr; or

797 ppmv @ 15% O₂ or 2,400 ppmv @ 3% O₂

E. Requirements – Owner or Operator Engine Inspections.

F. Requirements – Compliance Plan

G. Requirements – Testing

H. Record Keeping

Method used for determining compliance:

I have knowledge that all engines subject to Rule 333 that are operated on the stationary source comply with the stipulations of Rule 333.

Compliance Status:

in compliance with rule 333 and will continue to comply with all requirements.

not in compliance with rule 333 at this time, but I will be by: ___/___/____ (submit plan per instructions).

these requirements do not apply to my farming operations because no equipment operated at the stationary sources is subject to Rule 333.