

13 CCR § 2412 (b)

Emission Standards and Test Procedures - New Off-Highway Recreational Vehicles and Engines

(b) For purposes of certification in California, manufacturers must comply with the following exhaust and evaporative emissions from new off-highway recreational vehicles and engines that are sold, leased, used, or introduced into commerce in California.

(1) Exhaust emissions must not exceed:

Exhaust Emission Standards Based on Chassis-Based Testing

<i>Vehicle & Model Year</i>	<i>Hydro-carbon (HC)</i>	<i>Oxides of Nitrogen (NO_x)</i>	<i>Carbon Monoxide (CO)</i>	<i>Particulate Matter⁽⁴⁾</i>
Off-Road Motorcycles and All-Terrain Vehicles with Engines Greater Than 90 cc ⁽¹⁾ 1997 and Later (g/km) ⁽²⁾	1.2 ⁽³⁾	-	15.0	-
Off-Road motorcycles and All-Terrain Vehicles with Engines 90 cc or Less 1999 and Later (g/km)	1.2 ⁽³⁾	-	15.0	-
Off-Road Motorcycle and All-Terrain Vehicle Option: 1997 and Later Vehicles with Engines Greater Than 90 cc, and 1999 and Later Vehicles with Engines 90 cc or Less	Vehicles and engines that do not meet the emissions standards noted above may be certified subject to the use restrictions described in subsection (f) below.			
Off-Road Sport Vehicles and Off-Road Utility Vehicles 2007 and Later (g/km)	1.2 ⁽³⁾	-	15.0	-
Sand Cars 2007 and Later (g/km)	1.2 ⁽³⁾	-	15.0	-
Golf Carts in Federal Ozone Non-Attainment Areas 1997 and Later	ZERO	ZERO	ZERO	ZERO

1. Cubic centimeters.
 2. Grams per kilometer.
 3. Compliance with the 1.2 grams per kilometer HC standard to be applied as a "corporate average" shall be determined as provided in subsection (d). Each engine family shall have only one applicable standard.
 4. Applicable to diesel and two-stroke spark ignited engines only.

Emission Standards Based on Optional Engine-Based Testing⁽¹⁾

<i>Vehicle & Model Year</i>	<i>Hydrocarbon plus Oxides of Nitrogen (HC + NO_x)</i>	<i>Carbon Monoxide (CO)</i>	<i>Particulate Matter⁽⁵⁾</i>
All-Terrain Vehicles with engines less than 225 cc ⁽²⁾ 1997 and Later (g/kW-hr) ⁽³⁾	16.1 ⁽⁴⁾	400	-
All Terrain Vehicles with engines greater than or equal to 225 cc 1997 and Later (g/kW-hr)	13.4 ⁽⁴⁾	400	-
Off-Road Sport Vehicles and Off-Road Utility Vehicles 2007 and Later (g/kW-hr)	12.0 ⁽⁴⁾	400	-
Sand Cars 2007 and Later (g/kW-hr)	13.4 ⁽⁴⁾	400	-

1. All-Terrain Vehicles, Off-Road Sport Vehicles, Off-Road Utility Vehicles, and Sand Cars may use the utility test procedures set forth in the "California Exhaust Emission Standards and Test Procedures for 1995-2004 Small Off-Road Engines," as incorporated by reference in CCR, title 13, section 2403(d). The test cycle is limited to the 6-mode Test Cycle A only.

2. Cubic centimeters.

3. Grams per kilowatt-hour.

4. Compliance with the optional HC+NO_x standard to be applied as a "corporate average" shall be determined as provided in subsection (d). Each engine family shall have only one applicable standard.

5. Applicable to diesel and two-stroke spark ignited engines only.

(2) Evaporative emissions. With the exception of vehicles certified solely with compression-ignition engines, evaporative emissions must not exceed:

Evaporative Emissions

<i>Vehicle & Model Year</i>	<i>Emission Component</i>	<i>Permeation Standard</i>	<i>Test Temperature</i>
ALL Off-Highway Recreational Vehicles 2008 and Later g/m ² /day ⁽¹⁾	Fuel Tank Permeation	1.5	28 °C (82 °F)
	Hose Permeation	15.0	23 °C (73 °F)

1. Grams per square meter per day.