



Compliance Assistance

ADVISORY

SUBJECT: Replacement of Tier 1 & Tier 2 Diesel Ag Engines

Advisory #14-02

June 2014

IMPORTANT INFORMATION FOR OWNERS AND OPERATORS OF STATIONARY DIESEL AGRICULTURAL ENGINES GREATER THAN 50 HORSEPOWER

Replacement Information

Requirement

The Sacramento Metropolitan Air Quality Management District (SMAQMD) has previously notified you regarding the California Air Resources Board Air Toxic control Measure (ATCM) for Stationary Compression Ignition Engines. The ATCM requires the removal of Tier 1 and Tier 2 diesel agricultural (ag) engines from service.

Replacement Options

Tier 1 and Tier 2 engines may be replaced with a Tier 4 engine. ***Not all Tier 4 engines offered for sale meet the ATCM emission standard for ag engines.*** Some early model Tier 4 and interim Tier 4 engines do not comply. Before you purchase a Tier 4 engine, please check that it meets the applicable emission standard. The emission standards and compliance dates are listed in the table below.

ENGINE POWER (hp)	Compliance Date by retrofit or replacement	Diesel PM- Not to Exceed (g/bhp-hr)	HC, NOx, NMHC + NOx, and CO- Not to Exceed (g/bhp-hr)
50 ≥ hp < 75	2015 or 12 years after the date of initial installation, whichever is later	0.02	Off-Road CI Engine Certification Standards for an off-road engine of the model year and maximum rated power of the engine installed to meet the applicable PM standard
75 ≥ hp < 175	2015 or 12 years after the date of initial installation, whichever is later	0.01	
175 ≥ hp < 750	2014 or 12 years after the date of initial installation, whichever is later	0.01	
hp ≥ 750	2014 or 12 years after the date of initial installation, whichever is later	0.075	

You may also replace non-compliant engines with electric motors.

There may be funding available through the Carl Moyer Program to replace your diesel engine with an electric motor. Please call Gary Bailey at (916) 874-4893 if you are interested in participating in this program. More information on the Carl Moyer Program can be found at <http://www.airquality.org/mobile/moyer/index.shtml>

Registration

All diesel ag engines 50 horsepower and greater are required to be registered with the SMAQMD. Electric motors do not require registration. You may find the registration application on our website at www.airquality.org/permits/forms/agengines/agengineregistrationform.pdf

If you have any questions regarding to the registration application or requirements, please contact Brian Krebs at the SMAQMD at (916) 874-4856. You may also call Teresa Posey at the SMAQMD's *Compliance Assistance Hotline* at (916) 874-4884 for free, confidential assistance.