

Summary of California Air Resources Board's
**Proposed Regulation to Reduce Emissions of Diesel Particulate Matter, and Other
 Pollutants from In-use Heavy-Duty Diesel-Fueled Vehicles**

Version Date: **July 21, 2008**

Applicability –

This regulation applies to all trucks and fleets operated within the state of California.

Exemptions –

There are a few listed exemptions. Those applicable to agriculture are as follows:

- Pick-ups and other vehicles w/ GVWR < 14,000 pounds
- Off-road vehicles
- “Low use” vehicles (must operate less than 100 hours and 1000 miles per year)
- “NOx Mileage Exempt Vehicles” - limited to heavy heavy-duty vehicles (GVWR>33,000 lbs.) operated less than 7,500 miles, and medium heavy-duty vehicles (14,000 lbs. < GVWR <33,001 lbs.) operated less than 5,000 miles. *[Still requires diesel particulate filter (DPF); and replacement of the truck by December 31, 2020 & Electronic Tracking System for hours of use]*

Rule Requirements –

Truck emissions must be reduced to achieve compliance with one of the following three (3) options:

Option 1 -

Phase 1 (PM BACT) - Trucks must have a Verified Diesel Emission Control System (VDECS) for PM or an engine originally equipped with a diesel particulate filter.

Phase 2 (NOx BACT) - Trucks must have a 2010 model or newer engine, or meet the emissions level of a 2010 engine.

Truck emissions must be reduced according to the following schedule:

Phase 1 – PM BACT	
Engine Model Year	Compliance Deadline as of December 31
Pre-1994	2010
2003 – 2004	2011
2005 – 2006	2012
Phase 2 – NOx BACT	
1994 - 1999	2012
2000 - 2002	2013
Pre-1994	2014
2003 - 2004	2015
2005 - 2006	2016
2007	2020
2008	2021
2009	2022

Specialty Farm Vehicles* –

Phase 1 – PM BACT	
Engine Model Year	Compliance Deadline as of December 31
Pre-1994	2010
Phase 2 – NOx BACT	
1994 - 1999	2012
2000 - 2002	2013
Pre-1994	2014
2003 - 2006	2015
2005 - 2006	2016
2007	2020
2008	2021
2009	2022

Option 2 –

Owners may, at their option, may comply with the following performance requirements:

Compliance Deadline, as of December 31	% of Total Fleet Complying w/ BACT	
	PM BACT	NO _x BACT
2010	25%	NA
2011	50%	NA
2012	75%	25%
2013	100%	50%
2014	100%	60%
2015	100%	70%
2016	100%	80%
2017	100%	80%
2018	100%	80%
2019	100%	90%
2020	100%	90%
2021	100%	90%
2022	100%	100%

Note: PM BACT is same as Phase 1 description and NO_x BACT is same as Phase 2 description

Option 3 –

Owners may, at their option, include all of their vehicles in the fleet averaging provisions.

Compliance Deadline, as of December 31	Fleet NO _x Targets for each Compliance Deadline (g/mile)	
	MHD	HHD
2012	8.5	14.4
2013	5.8	9.8
2014	4.6	7.8
2015	4.6	7.8
2016	4.0	6.0
2017	4.0	6.0
2018	4.0	6.0
2019	3.2	4.4
2020	3.2	4.4
2021	1.6	3.0
2022	0.8	1.6

Compliance Deadline, as of December 31	Fleet PM Targets for each Compliance Deadline (g/mile)	
	MHD	HHD
2012	0.38	0.71
2013	0.29	0.53
2014	0.17	0.32
2015	0.06	0.11
2016	0.06	0.11
2017	0.06	0.11
2018	0.06	0.11
2019	0.06	0.11
2020	0.06	0.11
2021	0.06	0.11
2022	0.06	0.11

***Specialty Farm Vehicles –**

Vehicles used exclusively in the conduct of agricultural operations, such as implements of husbandry, including lift carriers, spray rigs, nurse rigs, cotton module movers, silage trucks, mixer feed trucks, and truck tractor or truck tractor and semi-trailer combinations used exclusively in production or harvesting of tomatoes and melons.

Reporting Requirements –

For owners that choose either the BACT percent limits (option 2) or fleet averaging options (option 3), they will be required to notify the ARB at the end of each reporting year on the vehicles and their compliance information.

Small Fleet Options –

Fleets with one or two vehicles –

- One vehicle must be equipped with a 2004 or later model year engine with a diesel particulate filter (DPF) by December 31, 2012, and then meet PM BACT and NOx BACT by December 31, 2016
- The other vehicle must meet PM BACT and NOx BACT by December 31, 2013

Fleets with three vehicles –

- One vehicle must be equipped with a 2004 or later model year engine with a diesel particulate filter (DPF) by December 31, 2012
- The second vehicle must be replaced with a 2010 model year engine by December 31, 2013
- The remaining vehicle must be replaced with a 2010 model year engine by December 31, 2015