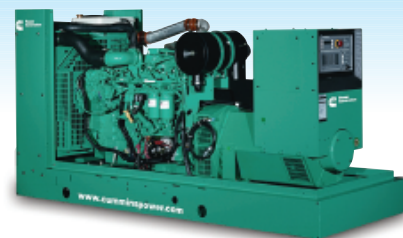


What the New EPA Emissions Requirements Mean for On-Site Power Generation

The Emissions Solution Leader

New emissions regulations being developed by the Environmental Protection Agency (EPA) affect stationary diesel generator sets used for back-up emergency power, peaking power and other on-site power generation applications in the U.S. Cummins Power Generation is committed to providing the products required to comply with the new emissions regulations as they are phased in.

This document provides an overview of the changing emissions regulations and the Cummins Power Generation products that meet these regulations.



NEW STANDARDS FOR STATIONARY AND NONROAD DIESEL GENERATOR SETS

The EPA proposed New Source Performance Standards (NSPS) on **July 11, 2005**, that apply to stationary compression-ignition internal combustion engines. The EPA proposal requires emissions from stationary diesel-powered generator sets to be harmonized with the existing EPA nonroad (mobile off-highway) regulations beginning on **January 1, 2007**. Between the present and January 1, 2007, the EPA regulations for stationary applications will be phased in with a Tier 1 requirement, depending on engine size.

STATIONARY: INTERIM PERIOD FROM PRESENT TO DECEMBER 31, 2006

- Users must order and install at least nonroad Tier 1-compliant generator sets for stationary applications:
 - 1) If the end user ordered the generator after **July 11, 2005 AND**
 - 2) If the engine is built between **April 1, 2006, and December 31, 2006.**
- State and local requirements for stationary engines may continue to be more stringent than EPA requirements. Always check with your state and local agencies; see the following sites for contact information.
 - www.cleanairworld.org
 - www.eea-inc.com/rrdb/DGRegProject/index.html

NONROAD: INTERIM PERIOD FROM JANUARY 1, 2006 TO DECEMBER 31, 2006

- Tier 3-certified engines are required for 125-200 kW generators; and Tier 2-certified engines are required for 600-2000 kW generators used in nonroad (mobile off-highway) applications.

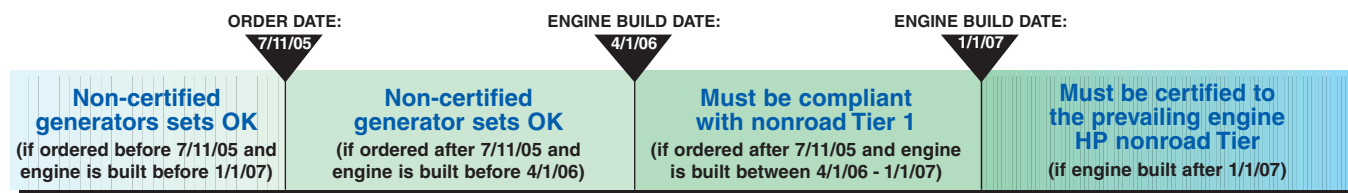
Leading the way in low emissions.

“As an industry leader, Cummins Power Generation has been working closely with the EPA and supports their efforts to strengthen emissions regulations for off-road and stationary diesel engines. Cummins Power Generation is the first manufacturer to offer EPA-certified Tier 3 generator sets.

“Cummins Power Generation’s design strategy for meeting new emissions standards has been to focus on both our existing electronic-controlled engine platforms and new in-cylinder emissions solutions. We believe this approach is the best path to higher performance, better fuel efficiency and higher reliability, rather than using designs that rely on costly exhaust aftertreatments. This design strategy is helping us become one of the few manufacturers who can offer the marketplace a full line of EPA-certified products.”

Tom Linebarger
President
Cummins Power Generation

KEY PHASE-IN DATES FOR STATIONARY DIESEL GENERATOR SET EPA REQUIREMENTS:



JANUARY 1, 2007, AND BEYOND

Beginning **January 1, 2007**, the EPA requirements for stationary diesel generator sets and nonroad diesel generator sets become harmonized.

- EPA-certified diesel engines are required for all stationary and nonroad applications.
- Key exceptions are:
 - Engines greater than 3000 brake horsepower are only required to meet Tier 1 regulations until **January 1, 2011**.
 - At Tier 4, beginning in 2011, emergency stationary diesel generators will not have to advance to the aftertreatment-forcing standards.

Other resources:





www.cumminspower.com/emissionsEPA
www.epa.gov/ttn/atw/nsps/cinsps/cinspspg.html

Below are the Tier requirements for stationary and nonroad applications as they change between now and 2009. Model numbers for Cummins Power Generation Tier-certified products are also included.

CUMMINS POWER GENERATION TIER-CERTIFIED PRODUCTS BY APPLICATION:

	Stationary*	Nonroad	Stationary and Nonroad	Stationary and Nonroad	Stationary and Nonroad
kWe	2006	2006	2007	2008	2009
15 / 20 / 25	DK Series	DK Series	DK Series	DSBAB, DSCAA, DSCAB	DSBAB, DSCAA, DSCAB
30				DSCAC	DSCAC
35	DGGD, DGBB**	DGBB**	DGGD**	DSDAA	DSDAA
40	DGHD, DGBC**	DGBC**	DGHD**	DSDAB	DSDAB
50	DGHE, DGCA**	DGCA**	DGHE**	DSDAC	DSDAC
60	DGCB**	DGCB**	DGCB**	DSFAA	DSFAA
80	DGCG, DGDA	DGDA	DSFAB	DSFAB	DSFAB
100	DGDB	DGDB	DSGAA	DSGAA	DSGAA
125	DGDK, DSGAB	DSHAE	DSGAB	DSGAB	DSGAB
150	DGFA, DSHAA	DSHAA	DSGAC	DSGAC	DSGAC
175	DGFB, DSHAB	DSHAB	DSHAB	DSHAB	DSHAB
200	DGFC, DSHAC	DSHAC	DSHAC	DSHAC	DSHAC
230	DGFS, DSHAD	DSHAD	DSHAD	DSHAD	DSHAD
250	DQDAA	DQDAA***	DQDAA***	DQDAA***	DQDAA***
275	DQDAB	DQHAA	DQHAA	DQHAA	DQHAA
300	DQDAC	DQHAB	DQHAB	DQHAB	DQHAB
350	DFEG	DFEG	DFEG	DFEG	DFEG
400	DFEH	DFEH	DFEH	DFEH	DFEH
450	DFEJ	DFEJ	DFEJ	DFEJ	DFEJ
500	DFEK	DFEK	DFEK	DFEK	DFEK
600	DFHA, DQCA, DQMAA	DQMAA	DQMAA	DQMAA	DQMAA
750	DFHA, DQCB, DQFAA	DQFAA	DQFAA, DQCAB	DQFAA, DQCAB	DQFAA, DQCAB
800	DFHB, DQCC, DQFAB	DQFAB	DQFAB	DQFAB	DQFAB
900	DFHD, DQFAC	DQFAC	DQFAC	DQFAC	DQFAC
1000	DFHD, DQFAD	DQFAD	DQFAD	DQFAD	DQFAD
1250	DFLE, DQGAA	DQGAA	DQGAA	DQGAA	DQGAA
1500	DFLE, DQGAB	DQGAB	DQGAB	DQGAB	DQGAB
1750	DQKB, DQKAA	DQKAA	DQKAA	DQKAA	DQKAA
2000	DQKC, DQKAB	DQKAB	DQKAB	DQKAB	DQKAB
2250*	DQKH	DQKH	DQKH	DQKH	DQKH
2500*	DQLC		DQLC	DQLC	DQLC
2700*	DQLA	DQLA	DQLA	DQLA	DQLA

EPA Certification Levels:

-  Tier 2
-  Tier 3
-  Tier 4
-  Tier 1
Stationary only
(cannot use for nonroad)

* Tier 1 or greater required for stationary from 4/1/2006.

** Tier 1 and Tier 2 models available.

*** Tier 1 and Tier 3 models available.

Note: Our interpretation of the NSPS as it applies to stationary diesel generators is believed to be accurate. However, do not rely solely on this document for compliance information.

*The Emissions
Solution Leader*

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