

Highway and Nonroad, Locomotive, and Marine (NRLM) Diesel Fuel Sulfur Standards

| | Regulated Entity | Covered Fuel | Per-gallon Maximum Sulfur Level by Year (ppm) | | | | | | | | |
|---------|-----------------------------|--------------------------------|---|-------------------|------|------|----------------------|------|------|------|------|
| | | | 2006 ^a | 2007 ^b | 2008 | 2009 | 2010 ^{c, d} | 2011 | 2012 | 2013 | 2014 |
| Federal | Large Refiners & Importers | Highway | 80% 15 20% 500 | | | | 15 | | | | |
| | Small Refiners | Highway | 500 | | | | | | | | |
| | Large Refiners & Importers | NR | - | 500 | 500 | 500 | 15 | 15 | 15 | 15 | 15 |
| | | LM | - | 500 | 500 | 500 | 500 | 500 | 15 | 15 | 15 |
| | | NRLM with Credits ^e | - | HS | HS | HS | 500 | 500 | 500 | 500 | 15 |
| | Small Refiners | NRLM ^f | - | HS | HS | HS | 500 | 500 | 500 | 500 | 15 |
| | Transmix Processor & In-use | NR ^e | - | HS | HS | HS | 500 | 500 | 500 | 500 | 15 |
| | | LM ^e | - | HS | HS | HS | 500 | 500 | 500 | 500 | 500 |

Notes:

- a** For highway diesel fuel, standards are effective June 1 for refiners/importers, September 1 for pipelines and terminals, and October 15 for retailers and wholesale purchaser-consumers. Anti-downgrading provisions effective October 16, 2006.
- b** For Nonroad, Locomotive, and Marine (NRLM) diesel fuel, standards are effective June 1 for refiners; downstream requirements apply for Northeast/Mid-Atlantic area only (August 1 for terminals, October 1 for retailers and wholesale purchaser-consumers, and December 1 for in-use).
- c** For highway diesel fuel, standards are effective June 1 for refiners/importers, October 1 for pipelines and terminals, and December 1 for retailers and wholesale purchaser-

consumers.

- d** For NRLM diesel fuel, standards are effective June 1 for refiners, August 1 for terminals, October 1 for retailers and wholesale purchaser-consumers, and December 1 for in-use.
- e** Excluding the Northeast and Alaska.
- f** Excluding the Northeast, with approval in Alaska.

Code of Federal Regulations (CFR) citation:

- 40 CFR 80 Subpart I