



STATIONARY SOURCE EMISSIONS CONTROL | 400 LAPP ROAD | MALVERN, PA | 19355-1212 | USA
 T +1 484-320-2136 | F +1 484-320-2152 | WWW.JMSSEC.COM



**No. 801: EPA New Source Emission Standard (NSPS) for Locomotive Engines
 EPA420-F-08-004
 Effective: March 14, 2008**

Summary:

Sources Affected: All line-haul, passenger, and switch locomotives that operate extensively within the U.S., including newly-manufactured locomotives and remanufactured locomotives that were originally manufactured after 1972.

Pollutants Affected: NO_x, PM, HC

Effective Date: March 14, 2008

Exemptions: This rule does not apply to the existing fleets of locomotives owned by very small railroads.

Line-Haul Emission Requirements

Table 1. Line-Haul Locomotive Emission Standards (g/bhp-hr)

Applicable To:	Date	PM	NO _x	HC
Remanufactured Tier 0 and Tier 1	2008 as available; 2010 required	0.22	7.4 ^a	0.55 ^a
Remanufactured Tier 2	2008 as available; 2013 required	0.10	5.5	0.30
New Tier 3	2012	0.10	5.5	0.30
New Tier 4	2015	0.03	1.3	0.14

^a For Tier 0 locomotives originally manufactured without a separate loop intake air cooling system, these standards are 8.0 and 1.00 for NO_x and HC, respectively.

Switch Emission Requirements

Table 2. Emission Standards for Switch Locomotives (g/bhp-hr)

Applicable to:	Date	PM	NO _x	HC
Remanufactured Tier 0	2008 as available; 2010 required	0.26	11.8	2.10
Remanufactured Tier 1	2008 as available; 2010 required	0.26	11.0	1.20
Remanufactured Tier 2	2008 as available; 2013 required	0.13	8.1	0.60
Tier 3	2011	0.10	5.0	0.60
Tier 4	2015	0.03	1.3	0.14

