

LOCOMOTIVE CERTIFIED EMISSION STANDARDS

Baseline NO_x Emission Standard

Criteria have been established to determine the eligibility of an activity, based on the NO_x federal certified emission standard for locomotive engines in the table below. In situations where the model year of the locomotive and the model year of the existing engine are different, the model year of the engine must be used to determine the baseline emission standard for emission reduction calculations.

DIESEL LOCOMOTIVES NO_x EMISSION STANDARD BY MODEL YEAR

Duty Cycle	Tier Level	Model Year	NO_x Emission g/bhp-hr
Line Haul	Uncontrolled	N/A	13
	Tier 0	1973-2001	7.4 (8.0 if no SLAC)
	Tier 1	2002-2004	7.4
	Tier 2	2005-2011	5.5
	Tier 3	2012-2014	5.5
	Tier 4	2015+	1.3
Switchers	Uncontrolled	N/A	17.4
	Tier 0	1973-2001	11.8
	Tier 1	2002-2004	11.0
	Tier 2	2005-2010	8.1
	Tier 3	2011-2014	5.0
	Tier 4	2015+	1.3

SLAC = Separate Loop Intake Air Cooling