



**Federal Certification Exhaust Emission Standards
for Heavy Light-Duty Trucks:
Federal Test Procedure (FTP), Cold CO, and Highway & Idle Tests
(grams/mile)**

	Vehicle Type	Emission Category	Vehicle Useful Life												
			5 Years / 50,000 Miles						11 Years / 120,000 Miles						
			NMHC ^[3]	NMOG	CO ^[35,39]	NOx ^[8]	PM	HCHO	THC ^[2,5,39]	NMHC ^[3]	NMOG	CO ^[38]	NOx	PM	HCHO
Federal ^[37,40,43]	LDT3	Tier 0							0.80 ^[6]	0.67	-	10	1.7 ^[4]	0.26	-
		Tier 1	0.32	-	4.4	0.7	-	-	0.80	0.46	-	6.4	0.98	0.10	-
	LDT4	Tier 0							0.80 ^[6]	0.67	-	10	1.7 ^[4]	0.13	-
		Tier 1	0.39	-	5.0	1.1	-	-	0.80	0.56	-	7.3	1.53	0.12	-
Federal Clean Fueled Vehicle (CFV) Program ^[37,40]	LDT3 0-3750	LEV	-	^[30] 0.125	3.4	0.4	-	0.015	-	-	^[30] 0.180	5.0	0.6 ^[10]	0.08	0.022
		ILEV ^[33]	-	0.125	3.4	0.2	-	0.015	-	-	0.180	5.0	0.3 ^[10]	0.08	0.022
		ALVW ULEV	-	^[30] 0.075	1.7	0.2	-	0.008	-	-	^[30] 0.107	2.5	0.3 ^[10]	0.04	0.012
	LDT3 3751-5750	LEV	-	^[30] 0.160	4.4	0.7	-	0.018	-	-	^[30] 0.230	6.4	1.0 ^[10]	0.10	0.027
		ILEV ^[33]	-	0.160	4.4	0.4	-	0.018	-	-	0.230	6.4	0.5 ^[10]	0.10	0.027
		ALVW ULEV	-	^[30] 0.100	2.2	0.4	-	0.009	-	-	^[30] 0.143	3.2	0.5 ^[10]	0.05	0.013
	LDT4 5751-8500	LEV	-	^[30] 0.195	5.0	1.1	-	0.022	-	-	^[30] 0.280	7.3	1.5 ^[10]	0.12	0.032
		ILEV ^[33]	-	0.195	5.0	0.6	-	0.022	-	-	0.280	7.3	0.8 ^[10]	0.12	0.032
		ALVW ULEV	-	^[30] 0.117	2.5	0.6	-	0.011	-	-	^[30] 0.167	3.7	0.8 ^[10]	0.06	0.016