**Section 241.APPENDIX A Emission Standards for Clean Fuel Vehicles**

**Section 241.TABLE A Low Emission Vehicle (LEV) Standards for Light-Duty Clean Fuel Vehicles (g/mi)**

|  |  |
| --- | --- |
| LIGHT-DUTY VEHICLE WEIGHT | POLLUTANT: |
|  | NMOG | CO | NOX | HCHO | PM1 |
| ALL LDV, LDT≤ 6000 GVWR≤ 3750 LVW50,000 MILES100,000 MILES | 0.0750.090 | 3.44.2 | 0.20.3 | 0.0150.018 | ---0.80 |
| LDT ≤ 6000 GVWR> 3750 LVW≤ 5750 LVW50,000 MILES100,000 MILES | 0.1000.130 | 4.45.5 | 0.40.5 | 0.0180.023 | ---0.08 |
| LDT >6000 GVWR≤ 3750 ALVW50,000 MILES100,000 MILES | 0.1250.180 | 3.45.0 | 0.420.6 | 0.0150.022 | ---0.10 |
| LDT >6000 GVWR>3750 ALVW≤ 5750 ALVW50,000 MILES120,000 MILES | 0.1600.230 | 4.46.4 | 0.721.0 | 0.0180.027 | ---0.10 |
| LDT >6000 GVWR>5750 ALVW≤ 8500 ALVW350,000 MILES100,000 MILES | 0.1950.280 | 5.07.3 | 1.121.5 | 0.0220.032 | ---0.12 |

1Applicable to diesel vehicles only

2Standards not applicable to diesel vehicles

3Option of certifying heavy-duty engines in vehicles up to 10,000 pounds GVWR using the light-duty truck (LDT) standards

**Section 241.APPENDIX A Emission Standards for Clean Fuel Vehicles**

**Section 241.TABLE B Ultra-Low Emission Vehicle (ULEV) Standards for Light-Duty Clean Fuel Vehicles (g/mi)**

|  |  |
| --- | --- |
| LIGHT-DUTYVEHICLE WEIGHT | POLLUTANT: |
|  | NMOG | CO | NOX | HCHO | PM1 |
| ALL LDV, LDT≤ 6000 GVWR≤ 3750 LVW50,000 MILES100,000 MILES | 0.0400.055 | 1.72.1 | 0.20.3 | 0.0080.011 | 0.080.04 |
| LDT ≤ 6000 GVWR> 3750 LVW≤ 5750 LVW50,000 MILES100,000 MILES | 0.0500.070 | 2.22.8 | 0.40.5 | 0.0090.013 | 0.080.04 |
| LDT >6000 GVWR≤ 3750 ALVW50,000 MILES100,000 MILES | 0.0750.107 | 1.72.5 | 0.20.32 | 0.0080.012 | ---0.04 |
| LDT >6000 GVWR>3750 ALVW≤ 5750 ALVW50,000 MILES120,000 MILES | 0.1000.143 | 2.23.2 | 0.40.52 | 0.0090.013 | ---0.05 |
| LDT >6000 GVWR>5750 ALVW≤ 8500 ALVW350,000 MILES100,000 MILES | 0.1170.167 | 2.53.7 | 0.60.82 | 0.0110.016 | ---0.06 |

1Applicable to diesel vehicles only

2Standards not applicable to diesel vehicles

3Option of certifying heavy-duty engines in vehicles up to 10,000 pounds GVWR using the light-duty truck (LDT) standards

**Section 241.APPENDIX A Emission Standards for Clean Fuel Vehicles**

**Section 241.TABLE C NMOG Standards for Flexible-Fueled and Dual-Fueled Vehicles (g/mi)**

|  |  |  |
| --- | --- | --- |
|  | NMOG STANDARD1 |  |
| VEHICLE WEIGHT | 50,000 MILE | 100,000 MILE |
| ALL LDV, LDT,≤ 6000 GVWR≤ 3750 LVW | 0.075/0.125 | 0.09/0.156 |
| LDT | ≤ 6000 GVWR>3750LVW≤ 5750 LVW | 0.100/0.160 | 0.130/0.200 |
| LDT | >6000 GVWR≤ 3750 ALVW | 0.125/0.250 | 0.180/0.360 |
| LDT | >6000 GVWR>3750 ALVW≤ 5750 ALVW | 0.160/0.320 | 0.230/0.460 |
| LDT | >6000 GVWR>5750 ALVW | 0.195/0.390 | 0.280/0.560 |

1The standards are presented for flexible-fueled and dual-fueled clean fuel vehicles when operating on clean alternative fuel and conventional fuel in the format "x/y" where x represents the NMOG standard when the vehicle is operated on a clean alternative fuel and y represents the NMOG standard when the vehicle is operated on a conventional fuel.

**Section 241.APPENDIX A Emission Standards for Clean Fuel Vehicles**

**Section 241.TABLE D Emission Standards for Model Year 1998 and Later Heavy-Duty Vehicles (g/bhp-hr)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
| VEHICLETYPE | THC | NOX | NMHC+ NOX | CO | PM1 | OMHCE | HCHO |
| GASOLINE≤ 14,000 GVWR | 1.1 | 4.0 | --- | 14.4 | --- | 1.1 | --- |
| GASOLINE> 14,000 GVWR | 1.9 | 4.0 | --- | 37.1 | --- | 1.9 | --- |
| DIESEL | 1.3 | 4.0 | --- | 15.5 | 0.10 | 1.3 | --- |
| LEV CERTIFIEDFUEL | 2 | 2 | 3.8 | 2 | 2 | 2 | --- |
| LEV CERTIFIEDCALIF. FUEL | 2 | 2 | 3.5 | 2 | 2 | 2 | --- |
| ULEV | 2 | 2 | 2.5 | 7.2 | 0.05 | 2 | 0.025 |
| ILEV | 2 | 2 | 2.5 | 14.4 | 0.10 | 2 | 0.025 |

1Standards for particulate matter (PM) apply only to diesel-fueled vehicles.

2HD CFVs must meet conventional vehicle standards for THC, NOx, CO, PM, and OMHCE