

## Gasoline Sulfur Standards

	Regulated Entity	Refinery Average and Per-gallon Cap by Year (ppm)							
		2004	2005	2006	2007	2008	2009	2010	2011
<b>Federal</b>	Large Refiners / Importers <sup>a</sup>	120 <sup>b</sup> / 300 <sup>c</sup>	30 / 90 <sup>b</sup> / 300	30 / 80	30 / 80	30 / 80	30 / 80	30 / 80	30 / 80
	GPA Refiners <sup>d, e</sup>	150 / 300 <sup>c</sup>	150 / 300	150 / 300	30 / 80	30 / 80	30 / 80	30 / 80	30 / 80
	Small Refiners <sup>f, g, h</sup>	k	k	k	k	30 / 80	30 / 80	30 / 80	30 / 80
	Downstream Standards <sup>i, j</sup>	378	326	95	95	95	95	95	95

**Notes:**

- a** Standards effective January 1 at the refinery gate.
- b** No Refinery Average Standard applies in 2004; Corporate Average Standard applies in 2004 (120 ppm) and 2005 (90 ppm).
- c** Cap exceedances up to 50 ppm in 2004 must be made up in 2005.
- d** Geographic Phase-in Area (GPA) refiners must also comply with the corporate average standards in 2004 and 2005 if less than 50% of the refiner's gasoline is designated as GPA gasoline in a given compliance period.
- e** GPA refiners may receive an additional two years (i.e., through 2008) to comply with the 30 / 80 ppm gasoline sulfur standards in exchange for producing 95% of their highway diesel fuel at the 15 ppm sulfur standard by June 1, 2006.
- f** Small refiners may receive an additional two years (i.e., through 2009) to comply with the 30 / 80 ppm gasoline sulfur standards via a hardship demonstration.
- g** Small refiners may receive an additional three years (i.e., through 2010) to comply with the 30 / 80 ppm gasoline sulfur standards in exchange for producing 95% of their highway diesel fuel at the 15 ppm sulfur standard by June 1, 2006.
- h** Small refiners may receive a 20% increase in their annual average and per-gallon cap standards in exchange for producing 95% of their highway, nonroad, locomotive, and marine diesel fuel at the 15 ppm sulfur standard by June 1, 2006.
- i** Downstream standards are effective February 1 at any downstream location other than at a retail outlet or wholesale purchaser-consumer (e.g., pipelines and terminals) and March 1 at any downstream location.
- j** Downstream standards for gasoline that is not blended with small refiner gasoline are shown. Refer to the Code of Federal Regulations (CFR) for the downstream standards that apply when a gasoline blend includes small refiner gasoline.

**k**

1997-98 Refinery Baseline Sulfur Level (ppm)	Small Refiner Interim Gasoline Sulfur Standards (ppm) 2004 - 2007	
	Average	Cap
0 to 30	30	300
31 to 200	baseline level	300
201 to 400	200	300
401 to 600	50% of baseline	1.5 x avg. standard
601 and above	300	450

**Code of Federal Regulations (CFR) citations: :**

- 40 CFR 80 Subpart H