

**CHAPTER 1200-3-3
AIR QUALITY STANDARDS**

1200-3-3-.01 PRIMARY AIR QUALITY STANDARDS

Primary ambient air quality standards define levels of air quality believed adequate, with an appropriate margin of safety, to protect public health.

Authority: *T.C.A. Section 68-25-105. Administrative History. Original rule certified June 7, 1974. Amended effective February 9, 1977*

	Date Submitted to EPA	Date Approved by EPA	Federal Register
Notice			
Original Reg	JAN 27, 1972	MAY 31, 1972	37 FR 10840
1st Revision	DEC 05, 1984	MAR 29, 1985	50 FR 12539

1200-3-3-.02 SECONDARY AIR QUALITY STANDARDS

Secondary Ambient air quality standards define levels of air quality believed adequate, with an appropriate margin of safety, to protect the public welfare from any known anticipated adverse effects of the pollutant.

Authority: *T.C.A. Section 68-25-105. Administrative History. Original rule certified June 7, 1974. Amended effective February 9, 1977*

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1200-3-3-.03 TENNESSEE'S AMBIENT AIR QUALITY STANDARDS

Ambient air quality standards as given in tables I and II are applicable throughout Tennessee.

TABLE I

TENNESSEE AMBIENT AIR QUALITY STANDARDS for Suspended Particulates, Sulfur Dioxide, Carbon Monoxide, Ozone, Non-Methane Hydrocarbons, Nitrogen Dioxide, and Lead.

All values other than annual values are maximum concentrations not to be exceeded more than once per year. Parts per million (PPM) values are approximately only. All concentrations relate to air at standard conditions of 25 degrees centigrade temperature and 760 millimeter mercury pressure.

ug/m³ - Micrograms per cubic meter
 AGM - Annual geometric mean
 AAM - Annual Arithmetic mean

contaminants	Primary Standard			Secondary Standard		
	Concentration	Averaging Interval		Concentration	Averaging Interval	
	ug/m ³	ppm by vol.		ug/m ³	ppm by vol.	
Suspended Particulates	75	--	AGM	60	--	AGM ¹
	260	--	24 hr.	150	--	24 hr.
Sulfur Dioxide	80	0.03	AAM	1,300	0.5	3 hr.
	365	0.14	24 hr.			
Carbon Monoxide	10,000	9.0	8 hr.	10,000	9.0	8 hr.
	40,000	35.0	1 hr.			
Ozone ²	235	0.12	1 hr.	235	0.12	1 hr.
Nitrogen Dioxide	100	0.05	AAM	100	0.05	AAM

Lead	1.5	--	calendar quarter	1.5	--	calendar quarter
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- Note:
1. This value of 60 for an AGM for particulate matter is a guide to be used in addressing implementation plans to achieve the 24 hour standard.
 2. The standard is attained when the expected number of days per calendar year with maximum hourly concentration above 0.12 ppm (235 ug/m³) is equal to or less than 1 as determined by the Federal Register, Volume 44, No. 28, February 8, 1979, Part V, Appendix H.

TABLE 2

**Tennessee Ambient Air Quality Standards for
Gaseous Fluorides Expressed as HF**

Primary Standards			Secondary Standards			
Concentration	Averaging		Concentration	Averaging		
by vol.	Interval		by vol.	Interval	ug/m ³	ppb
1.2	1.5	30 days	1.2	1.5	30 days	
1.6	2.0	7 days	1.6	2.0	7 days	
2.9	3.5	24 hr.	2.9	3.5	24 hr.	
3.7	4.5	12 hr.	3.7	4.5	12 hr.	

- Notes
1. All values are maximum not to be exceeded more than once per year.
 2. Concentrations in micrograms per cubic meter (ug/m³) are approximately[sic] only.
 3. All conditions relate to air at standard conditions of 25 °C temperature and 760 millimeters of mercury pressure.
 4. All averaging intervals are consecutive time periods.

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1974. Amended effective February 9, 1977. Amended effective December 5, 1984.

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1200-3-3-.04 NONDEGRADATION

These ambient air quality standards shall not be construed, applied or interpreted to allow any significant deterioration of the existing air quality in any portion of the state.

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1200-3-3-.05 ACHIEVEMENT

- (1) The nitrogen dioxide standard in this chapter is to be achieved statewide by July 1, 1975 and maintained thereafter. The total suspended particulate and sulfur dioxide standards, with the exception of those areas identified in Chapter 1200-3-19, are to be achieved by July 1, 1975 and maintained thereafter. For those total suspended particulate and sulfur dioxide areas identified in Chapter 1200-3-19 the primary standards are to be achieved by December 31, 1982 and maintained thereafter. The standard for lead is to be achieved by October 31, 1981 and maintained thereafter. The standards for ozone and carbon monoxide are to be achieved by December 31, 1982 and maintained thereafter except for areas where a five year extension has been granted. The standards in the areas where the extension has been granted are to be achieved by December 31, 1987 and maintained thereafter. For the New Johnsonville nonattainment area for sulfur dioxide, the secondary standard is to be achieved by December 31, 1987 and maintained thereafter.

Authority: *T.C.A. Section 68-25-105. Administrative History. Original Rule filed October 2, 1979; certified June 7, 1974. Amended effective February 9, 1977. Amended in its entirety June 21, 1979. Amended in its entirety November 16, 1979. Amended December 13, 1982. Amended August 2, 1983 federally approved April 7, 1993.*

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