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	Date Approved	Federal
	to EPA	by EPA	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,
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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/m ³	- Micrograms per cubic meter
AGM	- Annual geometric mean
AAM	- Annual Arithmetic mean

contaminants	Primary Stand Concentration		Averaging Interval	dary Standard entration	Avera Interv	0 0
	ug/m ³	ppm by vol		ug/m ³	ppm by vol	l.
Suspended Particulates	75 260		AGM 24 hr.	60 150		AGM ¹ 24 hr.
Sulfur Dioxide	80 365	0.03 0.14	AAM 24 hr.	1,300	0.5	3 hr.
Carbon Monoxide	10,000 40,000	9.0 35.0	8 hr. 1 hr.	10,000 40,000	9.0 35.0	8 hr. 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	1.5	 calendar
			quarter		quarter
Note:	e	e used in a	value of 60 for an addressing implen	1	
	hour stand	lard.			

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 Seconda		econdary S	Standards			
	1	Averaging		Avera	aging		
Conc ppb	entration	Interval	Concentr	ation	Interval ug/m ³	ppb	ug/m ³
11	by vol.		by vol.				
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. than once per		es are maximum not	to be ex	ceeded more
		2.	Concentration approximately		ograms per cubic me 7.	eter (ug/1	m 3) are
		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	e periods	5.

Authority: T.C.A. Section 68-25-105. Administrative History. Original rule certified June 7, 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.

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-.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. 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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