IMPORTANT: [illegible] before completing this [illegible] to comply with instructions [illegible] of proposed [illegible]

STATE OF CONNECTICUT
REGULATION
OF

#2632

NAME OF AGENCY
Department of Environmental Protection

Concerning

SUBJECT MATTER OF REGULATION

SECTION 19-508-24

SECTION 19-508-24 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES IS AMENDED AS FOLLOWS:

Sec. 19-508-24

Connecticut primary and secondary standards

(a) Definitions

(1) "Ambient air" means that portion of the atmosphere external to buildings, to which the general public has access.

(2) "Reference method" means a method of sampling and analyzing for an air pollutant, as described in [subsection (1).] TITLE 40 CODE OF FEDERAL REGULATIONS PART 50, AS FROM TIME TO TIME MAY BE AMENDED.

(3) "Equivalent method" means any method of sampling and analyzing for an air pollutant [which can be demonstrated to the Commissioner's satisfaction to have a consistent relationship to the reference method.] THAT HAS BEEN DESIGNATED IN ACCORDANCE WITH TITLE 40 CODE OF FEDERAL REGULATIONS PART 53, AS FROM TIME TO TIME MAY BE AMENDED.

(4) "ACCEPTABLE METHOD" MEANS A REFERENCE METHOD, AN EQUIVALENT METHOD, OR ANY OTHER METHOD DETERMINED BY THE COMMISSIONER.

(b) The concentration of pollutants in the [outdoor atmosphere] AMBIENT AIR, AS MEASURED BY AN ACCEPTABLE METHOD, shall conform with levels specified below as the applicable air quality standards for these substances throughout Connecticut. [These standards shall not be construed to permit any deterioration of air quality in any portion of the state.]

(c) Reference conditions. All measurements of air quality are corrected to a reference temperature of 20° C. and to a reference pressure of 760 millimeters of mercury (1,013.2 millibars OR 29.92 INCHES OF MERCURY).

(d) Connecticut primary ambient air quality standards for sulfur

oxides (sulfur dioxide). The Connecticut primary ambient air quality standards for sulfur oxides, measured as sulfur dioxide, are:

(1) 80 micrograms per cubic meter (0.03 ppm) - annual arithmetic mean.

(2) 365 micrograms per cubic meter (0.14 ppm) - maximum 24-hour concentration not to be exceeded more than once per year.

(e) Connecticut secondary ambient air quality standards for sulfur oxides (sulfur dioxide). The Connecticut secondary ambient air quality standards for sulfur oxides, measured as sulfur dioxide, are:

(1) 60 micrograms per cubic meter (0.02 ppm) - annual arithmetic mean.

(2) 260 micrograms per cubic meter (0.1 ppm) - maximum 24-hour concentration not to be exceeded more than once per year.

(3) 1,300 micrograms per cubic meter (0.5 ppm) - maximum 3-hour concentration not to be exceeded more than once per year.

(f) Connecticut primary ambient air quality standards for particulate matter. The Connecticut primary ambient AIR quality standards for particulate matter are:

(1) 75 micrograms per cubic meter - annual geometric mean.

(2) 260 micrograms per cubic meter - maximum 24-hour concentration not to be exceeded more than once per year.

(g) Connecticut secondary ambient air quality standards for particulate matter are:

(1) 60 micrograms per cubic meter - annual geometric mean.

(2) 150 micrograms per cubic meter - maximum 24-hour concentration not to be exceeded more than once per year.

(h) Connecticut primary and secondary ambient air quality standards for carbon monoxide. The Connecticut primary and secondary ambient air quality standards for carbon monoxide are:

(1) 10 milligrams per cubic meter (9 ppm) - maximum 8-hour concentration not to be exceeded more than once per year.

(2) 40 milligrams per cubic meter (35 ppm) - maximum 1-hour concentration not to be exceeded more than once per year.

(i) Connecticut primary and secondary ambient air quality standards for photochemical oxidants. The Connecticut primary and secondary ambient air quality standard for photochemical oxidants, measured and corrected for interferences due to nitrogen oxides and sulfur dioxides, is: [160 micrograms per cubic meter (0.08 ppm)] 235 MICROGRAMS PER CUBIC METER (0.12 PPM) - maximum 1-hour concentration not to be exceeded more than once per year.

(j) Connecticut primary and secondary ambient air quality standards for hydrocarbons. The hydrocarbons standard is for use as a guide in achieving oxidant standards. The Connecticut primary and secondary ambient air quality standard for hydrocarbons is: 160 micrograms per cubic meter (0.24 ppm) - maximum 3-hour concentration (6 am to 9 am) not to be exceeded more than once per year.

(k) Connecticut primary and secondary ambient air quality standard for nitrogen dioxide. The Connecticut primary and secondary ambient air quality standard for nitrogen dioxide is: 100 micrograms per cubic meter (0.05 ppm) - annual arithmetic mean.

(l) [Reference methods. The methods to be used are those described in Federal Register Vol. 36, No. 84, Friday, April 30, 1971, PP 8187 - 8201] CONNECTICUT PRIMARY AND SECONDARY AMBIENT AIR STANDARDS FOR LEAD. THE CONNECTICUT PRIMARY AND SECONDARY AMBIENT AIR QUALITY STANDARD FOR LEAD AND ITS COMPOUNDS, MEASURED AS ELEMENTAL LEAD IS: 1.5 MICROGRAMS PER CUBIC METER, MAXIMUM ARITHMETIC MEAN AVERAGED OVER THREE CONSECUTIVE CALENDAR MONTHS.

Purpose: To amend Connecticut's photochemical oxidant standard and adopt a lead standard to conform with the National Ambient Air Quality Standards

CERTIFICATION
39 REV. 1/77

Be it known that the foregoing: Page 4 of 4 pages

[X] Regulations [ ] Emergency Regulations

Are:

[ ] Adopted [X] Amended as hereinabove stated [ ] Repealed

By the aforesaid agency pursuant to:

[X] Section 19-508 of the General Statutes.

[ ] Section _____ of the General Statutes, as amended by Public Act No. _____ of the _____ Public Acts.

[ ] Public Act No. _____ of the Public Acts.

After publication in the Connecticut Law Journal on March 25 19 80, of the notice of the proposal to:

[ ] Adopt [X] Amend [ ] Repeal such regulations

(If applicable): [X] And the holding of an advertised public hearing on 25 day of April 19 80

WHEREFORE, the foregoing regulations are hereby:

[ ] Adopted [X] Amended as hereinabove stated [ ] Repealed

Effective:

[X] When filed with the Secretary of the State.

(OR)

[ ] The _____ day of _____ 19____.

In Witness Whereof:	DATE 8/4/80	SIGNED *(Head of Board, Agency or Commission)* Stanley T. Pac	OFFICIAL TITLE, DULY AUTHORIZED Commissioner
Approved by the Attorney General as to legal sufficiency in accordance with Sec. 4-169, as amended, C.G.S.:		SIGNED	OFFICIAL TITLE, DULY AUTHORIZED Deputy Attorney General

AUG 14 1980

[X] Deemed Approved

[ ] Disapproved

[ ] Disapproved in part, *(Indicate Section Numbers disapproved only)*

[ ] Rejected without prejudice.

~~By the Legislative Regulation Review Committee~~ in accordance with Sec. 4-170, as amended, of the General Statutes.	DATE 10/8/80	SIGNED *(Clerk of the Legislative Regulation Review Committee)* Elizabeth T. Bauer

Two certified copies received and filed, and one such copy forwarded to the Commission on Official Legal Publications in accordance with Section 4-172, as amended, of the General Statutes.

DATE October 10, 1980	SIGNED *(Secretary of the State)* Barbara B. Kennelly	By Laura J. Fogarty

INSTRUCTIONS

1. One copy of all regulations for adoption, amendment or repeal, except emergency regulations, must be presented to the Attorney General for his determination of legal sufficiency. Section 4-169 of the General Statutes.

2. Seventeen copies of all regulations for adoption, amendment or repeal, except emergency regulations, must be presented to the standing Legislative Regulation Review Committee for its approval. Section 4-170 of the General Statutes.

3. Each regulation must be in the form intended for publication and must include the appropriate regulation section number and section heading. Section 4-172 of the General Statutes.

4. Indicate by "(NEW)" in heading if new regulation. Amended regulations must contain new language in capital letters and deleted language in brackets. Section 4-170 of the General Statutes.

2632

R-3 REV. 1/77

STATE OF CONNECTICUT
REGULATION
OF

NAME OF AGENCY
Department of Environmental Protection

SECTION 19-508-24

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