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

THE LEVEL OF THE CONNECTICUT SECONDARY ANNUAL STANDARD FOR PARTICULATE MATTER, MEASURED AS PM_{10}, IS 50 MICROGRAMS PER CUBIC METER ($\mu g/m^3$), ANNUAL ARITHMETIC MEAN. THE STANDARD IS ATTAINED WHEN THE EXPECTED ANNUAL ARITHMETIC MEAN CONCENTRATION, AS DETERMINED IN ACCORDANCE WITH APPENDIX K OF TITLE 40 CODE OF FEDERAL REGULATIONS PART 50 REVISED AS OF JULY 1, 1989, IS EQUAL TO OR LESS THAN 50 $\mu g/m^3$.

Section 2

Subsections (a) and (b) of section 22a-174-6 are amended to read as follows:

Sec. 22a-174-6. Air pollution emergency episode procedures

(a) When air pollutant concentrations monitored by the Department [of Environmental Protection] indicate that short term high pollutant levels may be expected which are likely to have an adverse impact on human health, the Commissioner shall prepare for the declaration of an appropriate air pollution emergency episode.

(b) Industrial Emergency episode criteria. In determining that any stage of an air pollution industrial emergency episode exists, the Commissioner shall be guided by the following criteria:

(b)(1) First Stage: Industrial Air Pollution Alert. An air pollution industrial alert shall be declared whenever the concentration of one or more of the pollutants listed below reaches the described level at any monitoring site operated by the Department [of Environmental Protection] :

A SO_2 [:] CONCENTRATION OF 800 $\mu g/m^3$ (0.3 ppm), 24-hour average;

[Particulates: 3.0 COHs or 375 $\mu g/m^3$, 24-hour average;]

A PM_{10} CONCENTRATION OF 350 $\mu g/m^3$, AVERAGED OVER 24-HOURS, MEASURED IN ACCORDANCE WITH THE PROVISIONS OF APPENDIX C OF TITLE 40 CODE OF FEDERAL REGULATIONS PART 58 REVISED AS OF JULY 1, 1989; OR

[SO_2 and particulates combined: product of SO_2 ppm, 24-hour average, and COHs equal to 0.8; or product of SO_2 $\mu g/m^3$, 24-hour average, and particulate $\mu g/m^3$, 24-hour average equal to 65 x 10^3;]

A NO_2 [:] CONCENTRATION OF 1130 $\mu g/m^3$ (0.6 ppm), 1-hour average; 282 $\mu g/m^3$ (0.15 ppm), 24-hour average; and meteorological conditions are such that the pollutant concentrations can be expected, unless control actions are taken, to remain at the above levels or increase over a period of twelve (12) or more hours [or such other length of time determined by the Commissioner to constitute a threat to the safety and welfare of people] .

(b)(2) Second Stage: Industrial Air Pollution Warning. An industrial air pollution warning shall be declared whenever one of the following levels is reached at any monitoring site operated by the Department [of Environmental Protection] :

A SO_2 [:] CONCENTRATION OF 1,600 $\mu g/m^3$ (0.6 ppm), 24-hour average [:] ;
[Particulates: 5.0 COHs or 625 $\mu g/m^3$, 24-hour average;]

A PM_{10} CONCENTRATION OF 420 $\mu g/m^3$, AVERAGED OVER 24-HOURS, MEASURED IN ACCORDANCE WITH THE PROVISIONS OF APPENDIX C OF TITLE 40 CODE OF FEDERAL REGULATIONS PART 58 REVISED AS OF JULY 1, 1989; OR

[SO_2 and particulates combined: product of SO_2 ppm, 24-hour average and COHs equal to 0.8; or product of SO_2 $\mu g/m^3$, 24-hour average and particulate $\mu g/m^3$, 24-hour average to 261 x 10^3;]

A NO_2 [:] CONCENTRATION OF 2,260 $\mu g/m^3$ (1.2 ppm), 1-hour average; 565 $\mu g/m^3$ (0.3 ppm), 24-hour average; and meteorological conditions are such that pollutant concentrations can be expected, unless control actions are taken, to remain at the above levels or increase over a period of twelve (12) or more hours [or such other length of time determined by the commissioner to constitute a threat to the safety and welfare of people] .

(b)(3) Third Stage: [Industrial Air Pollution Emergency. An industrial air pollution emergency shall be declared whenever evidence shows that air quality has degraded to a level deemed unacceptable by the Commissioner under any circumstances and requiring the most stringent control actions.] An industrial air pollution emergency shall be declared when any one of the following levels is reached at any monitoring site operated by the Department [of Environmental Protection.] :

A SO_2 [:] CONCENTRATION OF 2,100 $\mu g/m^3$ (0.8 ppm), 24-hour average;

[Particulates: 7.0 COHs or 875 $\mu g/m^3$, 24-hour average;]

A PM_{10} CONCENTRATION OF 500 $\mu g/m^3$, AVERAGED OVER 24-HOURS, MEASURED IN ACCORDANCE WITH THE PROVISIONS OF APPENDIX C OF TITLE 40 CODE OF FEDERAL REGULATIONS PART 58 REVISED AS OF JULY 1, 1989; OR

[SO_2 and particulates combined: product of SO_2 ppm, 24-hour average and COHs equal to 1.2; or product of SO_2 $\mu g/m^3$, 24-hour average and particulate $\mu G/M^3$, 24-hour average equal to 393 x 10^3;]

A NO_2 [:] CONCENTRATION OF 3,100 $\mu g/m^3$ (1.6 ppm), 1-hour average; 750 $\mu g/m^3$ (0.4 ppm), 24-hour average; and meteorological conditions are such that this condition can be expected to continue for twelve (12) or more hours [or such other length of time determined by the Commissioner to justify an industrial air pollution emergency] .

(b)(4) Termination. Once any stage of an industrial air pollution emergency episode has been declared, it shall remain in effect until the Commissioner announces its termination.

STATEMENT OF PURPOSE: To adopt the ambient air quality standards and air pollution emergency episode levels for particulate matter smaller than 10 microns in diameter which are identical to the standards set by the EPA.

CERTIFICATION
H39 REV. 1/77

4430

Be it known that the foregoing:

[X] Regulations [ ] Emergency Regulations

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

By the aforesaid agency pursuant to:

[X] Section 22a-174 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 February 16, 1993, of the notice of the proposal to:

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

(If applicable): [ ] And the holding of an advertised public hearing on 18th day of March 1993

WHEREFORE, the foregoing regulations are hereby:

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

Effective:

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

(OR)

[ ] The _____ day of _____ 19____.

Witness Whereof:	DATE 4/26/93	SIGNED *(Head of Board, Agency or Commission)* Timothy R. Kenny	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 [illegible] 4/29/93	OFFICIAL TITLE, DULY AUTHORIZED Assoc. Atty. General

[X] 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 6/29/93	SIGNED *(Clerk of the Legislative Regulation Review Committee)* [illegible]

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 July 7, 1993	SIGNED *(Secretary of the State)* Pauline R. Kezer	BY Peter J. Baldwin

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 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.

RECEIVED

JUL 7 1993

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SECRETARY OF THE STATE