

**Sec. 22a-174-29. Hazardous air pollutants**

(a) “Hazard Limiting Values” and “Ambient Air Quality Standards”

(1) “Hazard Limiting Values” (HLV)’s for “Hazardous Air Pollutants” for 8-hour and 30-minute averaging times are listed in Tables 29-1, 29-2, and 29-3. “Ambient Air Quality Standards” (AAQS) are listed in section 22a-174-24.

(2) For a “hazardous air pollutant” or other “air pollutant” for which either a “HLV” or an “AAQS” has not yet been established by the “Commissioner,” the “Commissioner” may request the Commissioner of Health Services to propose changes to Tables 29-1, 29-2 or 29-3 or to section 22a-174-24, to provide supporting documentation for his selection, and to submit it for review by the “Hazardous Air Pollutant Advisory Panel” within ninety (90) days of receipt of the request of the “Commissioner.”

(3) The “Commissioner” shall request the “Panel” to review the proposal and supporting documentation and to make a recommendation to the “Commissioner” to approve, modify or decline to accept the proposal within ninety (90) days of receipt. Within sixty (60) days of receipt of the recommendation of the “Panel,” the “Commissioner” shall announce a hearing for a new “HLV” to be included in Tables 29-1, 29-2, or 29-3 or “AAQS” for section 22a-174-24.

(b) **Maximum Allowable Stack Concentrations.**

(1) On or after October 1, 1986, no person shall cause or permit the emission of any hazardous air pollutant listed in Table 29-1 from any stationary source at a concentration at the discharge point in excess of the maximum allowable stack concentration, unless the stationary source is operating in accordance with the terms of an order or permit of the commissioner specifically allowing the continued operation of the stationary source in violation of this subdivision while coming into compliance or the source is in compliance with the provisions of subsection (d)(3) of this section.

(2) No person, who is required to maintain compliance with a permit under section 22a-174-3a of the Regulations of Connecticut State Agencies shall cause or permit the emission of any hazardous air pollutant listed in Table 29-1, 29-2 or 29-3 of this section from any stationary source or modification at a concentration at the discharge point in excess of the maximum allowable stack concentration unless such source is in compliance with the provisions of subsection (d)(3) of this section. The owner or operator of a stationary source who was issued a permit under former section 22a-174-3 of the Regulations of Connecticut State Agencies prior to July 1, 1986 shall be required to comply with Tables 29-2 and 29-3 of this section upon modification of such permit.

(3) If the owner or operator of a stationary source that emits or may emit a hazardous air pollutant is in compliance with the MASC at the discharge point of that source, but the commissioner determines, through ambient monitoring, that the HLV is exceeded, then the commissioner may require that the concentration of the hazardous air pollutant at the discharge point be further reduced.

(4) The owner or operator of any stationary source or modification not subject to the provisions of subdivision (2) or subdivision (6) of this subsection that emits or may emit a hazardous air pollutant shall comply with the requirements of subdivision (2) of this subsection if the commissioner determines, through ambient monitoring, that the HLV is exceeded as a result of the emissions from that stationary source.

(5) For the purposes of subdivisions (3) and (4) of this subsection, any person who performs ambient air monitoring shall use methods and procedures approved by the commissioner.

(6) The owner or operator of any incinerator shall not cause or permit the emission of any hazardous air pollutant listed in Table 29-1, 29-2 or 29-3 of this section from such incinerator at a concentration at the discharge point in excess of the maximum allowable stack concentration.

(c) Determination of "Maximum Allowable Stack Concentrations"

(1) The "maximum allowable stack concentration" of a "hazardous air pollutant" (in micrograms per cubic meter or parts per million) at the "discharge point" of a "stationary source" shall be determined as follows:

(A) If the "discharge point" is twenty (20) meters or less measured vertically from the ground elevation at the "discharge point," the "MASC" shall be:

$$\frac{0.885HLV(X+1.08V_0^{0.64})^{1.56}}{V_0} \quad [1]$$

Where "HLV" is the applicable "hazard limiting value" (in either micrograms per cubic meter or parts per million for 8-hour and 30-minute averaging times), " $V_0$ " is the average actual flow rate (in actual cubic meters per second) from the "discharge point," and "X" is ten (10) meters, or the distance from the "discharge point" to the closest property line, whichever is greater.

(B) If the "discharge point" is more than twenty (20) meters measured vertically from the ground elevation at the "discharge point," the "maximum allowable stack concentration" ("MASC") shall be:

$$\frac{0.885HLV(X_{\max}+1.08V_0^{0.64})^{1.56} \exp[10.33(H-20)^2(X_{\max}+1.08V_0^{0.64})^{-1.56}]}{V_0} \quad [2]$$

Where "HLV" is the applicable "hazard limiting value" (in micrograms per cubic meter or parts per million) for 8-hour and 30-minute averaging times, " $V_0$ " is the average actual flow rate (in actual cubic meters per second) from the "discharge point," "H" is the height (in meters) of the "discharge point," measured vertically from the ground elevation at the "discharge point" and " $X_{\max}$ " is the greater of the following distances:

- (i) ten (10) meters
- (ii) the closest distance, in meters, from the "discharge point" to the property line, or
- (iii) the distance, in meters, determined by:

$$4.47(H-20)^{1.28} \quad [3]$$

Where "H" is the height (in meters) of the "discharge point" measured vertically from

the ground elevation at the discharge point.

(2) For the purposes of this subsection, in determining the distance from the “discharge point” to the property line the “Commissioner” may allow consideration for any “watercourse” adjacent to the property in question. The “Commissioner” may allow the use of the opposite shore in determining the closest distance to the property line.

**(d) Ambient Air Quality Standards.**

(1) The provisions of this subsection apply to any stationary source that emits an air pollutant for which there is an ambient air quality standard (“AAQS”) found in section 22a-174-24 of the Regulations of Connecticut State Agencies except for any criteria air pollutant other than lead.

(2) If the source complies with the MASC and there is an applicable AAQS, then the owner or operator shall not cause or exacerbate a violation of the applicable AAQS unless the impact of the source is less than significant as listed in Table 3a(i)-1 set forth in section 22a-174-3a(i) of the Regulations of Connecticut State Agencies.

(3) If the source does not comply with the MASC and there is an applicable AAQS, then the owner or operator shall:

(A) Install and use Best Available Control Technology for the applicable hazardous air pollutant; and

(B) Not cause an impact in excess of the applicable AAQS if such impact is significant as listed in Table 3a(i)-1 set forth in section 22a-174-3a(i) of the Regulations of Connecticut State Agencies.

(4) Upon the request of the commissioner, the owner or operator of any stationary source shall make and submit to the commissioner, for his approval, a BACT determination for each hazardous air pollutant for which an AAQS has been set, as required by the commissioner, including costs estimates of all control options as may be specified by the commissioner.

(5) For the purposes of this subsection, the commissioner shall allow the use of only air quality models, data bases or other requirements approved by the commissioner prior to the determination of compliance with the AAQS.

**(e) Sampling for Hazardous Air Pollutants.**

(1) Testing to determine concentrations of hazardous air pollutants in the ambient air contiguous to a source may be required if the commissioner determines that the operation of a source might reasonably be expected to cause an exceedance of an applicable HLV or AAQS.

(2) In addition to any testing required by section 22a-174-5(e)(2) of the Regulations of Connecticut State Agencies, testing to determine concentrations of hazardous air pollutants at discharge points of sources may be required by the commissioner if:

(A) An exceedance of a HLV with an 8-hour averaging time is observed;

(B) Two (2) or more exceedances of a HLV with a 30-minute averaging time are observed within two (2) non-overlapping 8-hour periods within any seven (7)-day period;

(C) The source is required to meet the requirements of subdivision (b)(2) of this section;

(D) The emissions from a source are suspected of causing a violation of an AAQS;

(E) There is an enforcement action for violation of section 22a-174-20 or 22a-174-23 of the Regulations of Connecticut State Agencies; or

(F) The source is suspected of emitting a hazardous air pollutant listed in Table 29-1.

(3) Testing to determine concentrations of hazardous air pollutants at either discharge points of stationary sources or in the ambient air shall be conducted by the commissioner, the commissioner's authorized representative or by persons qualified by training or experience in the field of sampling emissions from air pollution sources or in the ambient air. All sampling, emissions testing and laboratory analyses shall be done using procedures and techniques approved by the commissioner prior to the commencement of such testing.

(4) In addition to the provisions of subdivision (1) of this subsection, the commissioner shall perform testing for dioxin emissions in the ambient air in accordance with the requirements of this subdivision. The commissioner shall perform the following tests in the area of any resources recovery facility. The tests shall be representative of conditions existing prior to the commencement of operation and representative of conditions existing after the issuance of the permit to operate.

(A) For tests representative of conditions existing prior to the commencement of operation for each subject resources recovery facility the commissioner shall analyze at a minimum a total of eight (8) samples. At a minimum, such tests shall consist of the collection of samples at four locations deemed representative by the commissioner during four distinct time periods and the analysis of two samples for each time period for a total of eight samples. The commissioner shall make every effort to perform such testing once per calendar quarter prior to the commencement of operation.

(B) For tests representative of conditions existing after the issuance of a permit under section 22a-174-3a of the Regulations of Connecticut State Agencies for each subject resources recovery facility the commissioner shall analyze at a minimum a total of eight (8) samples. At a minimum, such tests shall consist of the collection of samples at four locations deemed representative by the commissioner during four distinct time periods and the analysis of two representative samples per calendar quarter for the first year following issuance of a permit under section 22a-174-3a of the Regulations of Connecticut State Agencies. Based upon an analysis of the ambient data, results of stack tests, data from the continuous emission monitors and other pertinent information, the commissioner shall determine a representative ambient sampling program for subsequent years. The commissioner shall provide notice of this determination to the chief elected official of each town participating in the subject resources recovery facility.

**(f) Reporting Requirements**

(1) The owner or "operator" of any "stationary source" shall, upon written notice by the "Commissioner," supply him with information, for those time periods specified, concerning the usage of any substances listed in Table 29-1, 29-2, or 29-3 or the emissions of such substances into the ambient air.

(2) Information required in subdivision (f) (1) shall be provided on forms issued for this purpose by the "Commissioner."

(3) If the "Commissioner" deems that emissions of a "hazardous air pollutant" from a "stationary source" are likely to result in a severe and imminent health hazard, information required in subdivision (f) (1) shall be submitted by the owner or "operator" of the "stationary source" as soon as possible but not later than forty-eight (48) hours after receiving written notice from the "Commissioner."

Nothing in this subdivision shall prevent the “Commissioner” from taking action in accordance with the provisions of Sec. 22a-181 C.G.S.

(4) Except as provided in subdivision (f) (3), such information required in subdivision (f) (2) shall be provided by the owner or “operator” of the “stationary source” within ninety (90) days of written notice by the “Commissioner.”

(g) Permits to operate a “stationary source” ordered to comply with any of the provisions of this section.

(1) The “Commissioner” may require the owner or “operator” of a “stationary source” to obtain a permit to operate if he is found by the “Commissioner” not to comply with any of the provisions of subsection (b).

(h) **Objectionable odors and compliance with other regulations**

(1) Compliance with this section by a “stationary source” does not in any manner relieve the owner or “operator” of the responsibility to comply with the provisions of section 22a-174-23 or any other section of these regulations.

(i) **Adjustments to the MASC for Time Periods Less Than 8 Hours.**

Notwithstanding the provisions of subsection (c), the Commissioner may allow an adjustment to the MASC for sources which emit continuously for a period of more than thirty (30) minutes but less than eight (8) hours by multiplying the MASC determined under subsection (c) by the following factor:

$$\text{Adjustment Factor} = 5 - 4 \left( \frac{T - 0.5}{7.5} \right)$$

Where T = Number of hours the source is in continuous operation.

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TABLE 29-1

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS*	
				8-HOUR	30-MINUTE
2-Acetyl amino fluorene.....	53-96-3	—	—	—	—
Acrylonitrile.....	107-13-1	22	110	0.01	0.05
Aflatoxins.....	83219-44-7	—	—	—	—
	83219-45-8	—	—	—	—
4-Aminodiphenyl.....	92-67-1	—	—	—	—
Arsenic & compounds (as As).....	7440-38-2	0.05	0.25	—	—
Arsenic pentoxide.....	1303-28-2	—	—	—	—
Arsine.....	7784-42-1	1	5	0.25ppbv	1.25 ppbv
Asbestos**.....	1332-21-4	—	—	—	—
Auramine.....	2465-27-2	—	—	—	—
Azathioprine.....	446-86-6	—	—	—	—
Benz(a)pyrene***.....	50-32-8	—	—	—	—
Benzene.....	71-43-2	150	750	0.05	0.25
Benzidine.....	92-87-5	—	—	—	—
Beryllium.....	7440-41-7	0.01	0.05	—	—
Beryllium oxide.....	1304-56-9	—	—	—	—
Beryllium sulfate.....	13510-49-1	—	—	—	—
Chlorambucil.....	305-03-3	—	—	—	—
Chlordane.....	57-74-9	2.5	12.5	—	—
Chlorinated camphene.....	8001-35-2	2.5	12.5	—	—
Chlornaphthazine.....	494-03-1	—	—	—	—
Chlorobenzilate.....	510-15-4	—	—	—	—
Chloroform.....	67-66-3	250	1,250	0.05	0.25
bis-Chloromethyl ether.....	542-88-1	0.015	0.075	5.pptv	25.pptv
Chloromethyl methyl ether.....	107-30-2	—	—	—	—

\* Volumetric units are in parts per million by volume, unless shown as parts per billion by volume (ppbv) or parts per trillion by volume (pptv).

\*\* The "HLV" for asbestos (all forms, including amosite, chrysotile, crocidolite, tremolite, and fibrous talc) is 500 fibers, of a length of 5 micrometers or more, per cubic meter (8-hour average and 2,500 fibers, of a length of 5 micrometers or more, per cubic meter (30-min. average).

\*\*\* See Polycyclic Aromatic Hydrocarbons

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

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TABLE 29-1, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
VOLUMETRIC UNITS					
Chromic acid and chromates (as Cr)....	—	0.25	1.25	—	—
Chromite ore processing (chromate), as Cr.....	—	0.25	1.25	—	—
Chromium, metal.....	7440-47-3	2.5	12.5	—	—
Coal tar pitch volatiles.....	8007-45-2	1	5	—	—
Coke oven emissions.....	—	—	—	—	—
Cyclophosphamide.....	50-18-0	—	—	—	—
Dibromochloropropane.....	96-12-8	0.05	0.25	—	—
3,3'-Dichlorobenzidine.....	91-94-1	—	—	—	—
1,2-Dichloroethane.....	107-06-2	20	100	5. ppbv	25. ppbv
Diethylstilboestrol.....	39011-86-4	—	—	—	—
Diethyl sulfate.....	64-67-5	—	—	—	—
4-Dimethylaminoazobenzene.....	60-11-7	—	—	—	—
Dimethyl sulfate.....	77-78-1	2.5	12.5	0.5 ppbv	2.5 ppbv
Dioxane, technical grade.....	123-91-1	450	2,250	0.125	0.625
Estrogens.....	—	—	—	—	—
Ethylene dichloride.....	107-06-2	20	100	5. ppbv	25. ppbv
Heptachlor.....	76-44-8	2.5	12.5	—	—
Hexachloroethane.....	67-72-1	50	250	5. ppbv	25. ppbv
Kepone.....	143-50-0	—	—	—	—
Melphalan.....	148-82-3	—	—	—	—
4,4'-Methylene bis (2-chloraniline)...	101-14-4	0.015	0.075	—	—
MOCA.....	101-14-4	0.015	0.075	—	—
Morpholine.....	110-91-8	350	1,750	0.1	0.5
Mustard gas.....	505-60-2	—	—	—	—
Myleran.....	55-98-1	—	—	—	—
beta-Naphthylamine.....	91-59-8	—	—	—	—
Nickel carbonyl, as Ni.....	13463-39-3	1.75	8.75	0.25ppbv	1.25 pp
Nickel (metal).....	7440-02-0	5	25	—	—
Nickel, soluble compounds (as Ni)*....	—	0.075	0.375	—	—

\* Carcinogens

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

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TABLE 29-1, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS	
				8-HOUR	30-MINUTE
Nickel sulfide.....	12035-72-2	—	—	—	—
Nickel sulfide roasting, fume.....	—	—	—	—	—
and dust (as Ni).....	—	5	25	—	—
4-Nitrodiphenyl.....	92-93-3	—	—	—	—
Nitrogen mustard.....	55-86-7	—	—	—	—
n-Nitrosodimethylamine.....	62-75-9	—	—	—	—
Oxymetholone.....	434-07-1	—	—	—	—
Perchloroethylene**.....	127-18-4	1,700	8,500	0.25	1.25
Phenacetin.....	62-44-2	—	—	—	—
Polynuclear aromatic hydrocarbons (PAH).....	50-32-8	0.1*	0.5*	—	—
beta-Propiolactone.....	57-57-8	7.5	37.5	2.5ppbv	12.5 ppbv
1,1,2,2-Tetrachloroethane.....	79-34-5	34.4	172	5. ppbv	25. ppbv
Thorium dioxide.....	1314-20-1	—	—	—	—
o-Toluidine.....	95-53-4	45	225	0.01	0.5
Toxaphene.....	8001-35-2	2.5	12.5	—	—
Tresulfan.....	299-75-2	—	—	—	—
1,1,2-Trichloroethane.....	79-00-5	225	1,125	0.05	0.25
Trichloroethylene.....	79-01-6	1,350	6,750	0.25	1.25
2,4,6-Trichlorophenol.....	88-06-2	—	—	—	—
Vinyl chloride.....	75-01-4	50	250	0.025	0.125

\* Benzene-soluble fraction

\*\* Perchloroethylene has been placed in Group 1 provisionally, pending further research by the Department of Health Services and the "Hazardous Air Pollutant Review Panel". Polycyclic Aromatic Hydrocarbons

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

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TABLE 29-2

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS*	
				8-HOUR	30-MINUTE
Actinomycin D.....	1402-38-6	—	—	—	—
Adriamycin.....	23214-92-8	—	—	—	—
Aldrin.....	309-00-2	1.5	7.5	—	—
Allyl glycidyl ether.....	106-92-3	220	1,100	0.05	0.25
2-Aminoanthraquinone.....	117-79-3	—	—	—	—
1-Amino-2-methylantraquinone.....	82-28-0	—	—	—	—
3-Amino 1,2,4-triazole (amitrale).....	61-82-5	—	—	—	—
o-Anisidine.....	29191-52-4	5	25	1. ppbv	5. ppbv
Antimony trioxide, handling & use (as Sb).....	1309-64-4	5	25	—	—
Antimony trioxide production (as Sb).....	1309-64-4	5	25	—	—
Aramite.....	140-57-8	—	—	—	—
Arsenic trioxide production (as As).....	1327-53-3	0.25	1.25	—	—
Benz(a)anthracene.....	56-55-3	—	—	—	—
Benzo(b)fluoranthene.....	205-99-2	—	—	—	—
Benzo(trichloride).....	98-07-7	—	—	—	—
Brominated biphenyls.....	—	—	—	—	—
Butadiene (1,3-butadiene).....	106-99-0	22,000	110,000	10	50
n-Butyl glycidyl ether (BGE).....	2426-08-6	1,350	6,750	0.25	1.25
Cadmium.....	7440-43-0	0.4	2.0	—	—
Cadmium dust & salts (as Cd).....	7440-43-0	0.4	2.0	—	—
Cadmium oxide fume (as Cd).....	1306-19-0	1.0	5.0	—	—
Cadmium sulfate.....	10124-36-4	—	—	—	—
Carbon tetrachloride.....	50-23-5	300	1,500	0.05	0.25
Chloramphenicol.....	56-75-7	—	—	—	—
1-Chloro,2,3-epoxypropane.....	105-89-8	20	100	0. ppbv	30. ppbv
bis-Chloroethyl nitrosourea (BCNU).....	105-60-1	—	—	—	—
1-(2-Chloroethyl)-3-cyclohexyl- 1-nitrosourea (CCNU).....	13989-09-6	—	—	—	—
Chrysene.....	218-01-9	—	—	—	—
Cisplatin.....	15663-27-1	—	—	—	—
p-Cresidine.....	120-71-8	—	—	—	—

\* Volumetric units are in parts per million by volume, unless shown as parts per billion by volume (ppbv) or parts per trillion by volume (pptv).

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

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TABLE 29-2. Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Cupferron.....	135-20-6	—	—	—	—
Cycasin.....	14901-88-7	—	—	—	—
Dacarbazine.....	4342-03-4	—	—	—	—
DDT (Dichlorodiphenyl-trichloro-ethane).....	50-29-3	5	25	—	—
2,4-Diaminobenzoic acid sulfate.....	39156-41-7	—	—	—	—
Dibenz(a,h) anthracene.....	53-70-3	—	—	—	—
7H-Dibenzo(c,g) carbazole.....	194-59-2	—	—	—	—
Dibenzo(a,h) pyrene.....	189-64-0	—	—	—	—
Dibenzo(a,i) pyrene.....	189-55-9	—	—	—	—
1,2-Dibromoethane.....	106-93-4	1,550	7,750	0.2	1
Diethylstilbestrol.....	84-17-3	—	—	—	—
Diepoxybutane.....	1464-53-5	—	—	—	—
Di-2,3-epoxypropyl ether.....	2238-07-5	10	50	—	—
Di(2-ethylhexyl) phthalate.....	117-81-7	50	250	—	—
3,3'-Dimethoxybenzidine.....	119-90-4	—	—	—	—
4-Dimethylaminobenzene.....	1300-75-8	100	500	0.21	0.1
3,3'-Dimethylbenzidine.....	119-93-7	—	—	—	—
Dimethyl carbamoyl chloride.....	79-44-7	—	—	—	—
1,1-Dimethylhydrazine.....	57-14-7	10	50	5.ppbv	25.ppbv
3,3'-Dimethyloxybenzidine.....	119-90-4	—	—	—	—
Dinitrotoluene.....	121-14-2	15	75	—	—
Direct Black 38.....	1937-37-7	—	—	—	—
Direct Blue 6.....	2610-05-1	—	—	—	—
Direct Brown 95.....	10300-74-0	—	—	—	—
Epichlorohydrin.....	106-89-8	20	100	5.ppbv	30.ppbv
Ethinylestradiol.....	57-63-6	—	—	—	—
Ethylene dibromide.....	106-93-4	1,550	7,750	0.2	1
Ethylene oxide.....	75-21-8	20	100	0.01	0.05
Ethylene thiourea.....	96-45-7	—	—	—	—
Formaldehyde.....	50-00-0	12	60	0.01	0.05
Hexachlorobenzene.....	118-74-1	—	—	—	—
Hexachlorobutadiene.....	87-68-3	2.4	12	—	—
Hexamethyl phosphoramide.....	680-31-9	—	—	—	—
Hydrazine.....	302-01-2	1	5	1.ppbv	5.ppbv

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

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TABLE 29-2, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
VOLUMETRIC UNITS					
Hydrazine sulfate.....	10034-93-2	—	—	—	—
Hydrazobenzene.....	122-66-7	—	—	—	—
Indeno(1,2,3-cd) pyrene.....	193-39-5	—	—	—	—
Iron dextran complex.....	9004-86-4	—	—	—	—
Isopropyl glycidyl ether (IGE).....	4016-14-2	2,400	12,000	0.5	2.5
Lead acetate.....	301-04-2	—	—	—	—
Lead chromate (as Cr).....	18454-12-1	0.5	2.5	—	—
Lead phosphate.....	7446-27-7	—	—	—	—
Lindane.....	58-89-9	5	25	—	—
Mestranol.....	72-33-3	—	—	—	—
4,4-Methylene dianiline.....	101-77-0	8	40	1.ppbv	5.ppbv
4,4'-Methylene bis (n,n-dimethyl) benzenamide.....	101-81-1	—	—	—	—
Methyl hydrazine.....	60-34-4	—	—	—	—
Methyl iodide.....	74-88-4	100	500	0.02	0.1
Metronidazole.....	443-48-1	—	—	—	—
Michler's ketone.....	90-94-8	—	—	—	—
Mirex.....	2385-85-5	—	—	—	—
Monomethyl hydrazine.....	60-34-4	—	—	—	—
Nitrilotriacetic acid.....	139-13-9	—	—	—	—
5-Nitro-o-anisidine.....	99-59-2	—	—	—	—
Nitrofen.....	1836-75-5	—	—	—	—
2-Nitropropane.....	79-46-9	360	1,800	0.1	0.5
Nitrosamines.....	—	—	—	—	—
n-Nitrosodi-n-butylamine.....	924-16-3	—	—	—	—
n-Nitrosodiethanolamine.....	1116-54-7	—	—	—	—
n-Nitrosodiethylamine.....	55-18-5	—	—	—	—
n-Nitrosodiphenylamine.....	86-30-6	—	—	—	—
n-Nitrosodi-n-propylamine.....	621-64-7	—	—	—	—
n-Nitroso-n-ethylurea.....	759-73-9	—	—	—	—
n-Nitroso-n-methylurea.....	684-93-5	—	—	—	—
n-Nitrosomethylvinylamine.....	4548-40-0	—	—	—	—
n-Nitrosomorpholine.....	59-89-2	—	—	—	—
n-Nitrosornicotine.....	16543-55-8	—	—	—	—
n-Nitrosopiperidine.....	100-75-4	—	—	—	—

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*Regulations of Connecticut State Agencies*

TABLE 29-2, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
n-Nitrosopyrrolidine.....	930-55-2	---	---	---	---
n-Nitrosopicosine.....	28661-60-3	---	---	---	---
Norethisterone.....	68-22-4	---	---	---	---
Oestradiol-17-beta.....	2529-64-8	---	---	---	---
Oestrone.....	53-16-7	---	---	---	---
Phenazopyridine.....	94-78-6	---	---	---	---
Phenazopyridine hydrochloride.....	136-40-3	---	---	---	---
Phenantoin (and sodium salt).....	50-12-4	---	---	---	---
Phenoxyacetic acid herbicides.....	---	---	---	---	---
Phenyl glycidyl ether (PGE).....	122-60-1	60	300	0.01	0.05
Phenylhydrazine.....	100-63-0	200	1,000	0.05	0.25
Phenyl-2-naphthylamine.....	135-68-6	---	---	---	---
Phenyltin.....	57-41-8	---	---	---	---
Polybrominated biphenyls.....	---	---	---	---	---
Polychlorinated biphenyls:					
42% Cl.....	53469-21-9	0.01	0.05	---	---
54% Cl.....	11897-69-1	0.01	0.05	---	---
Procarbazine hydrochloride.....	366-70-1	---	---	---	---
Progesterone.....	57-83-8	---	---	---	---
Propene sulfone.....	1120-71-4	---	---	---	---
Propylene imine.....	75-55-6	50	250	0.02	0.1
Propylthiouracil.....	51-52-5	---	---	---	---
Reserpine.....	50-55-5	---	---	---	---
Saccharine.....	81-07-2	---	---	---	---
Safrole.....	94-59-7	---	---	---	---
Selenium sulfide.....	7446-34-6	---	---	---	---
Streptozotocin.....	18883-66-4	---	---	---	---
Sulfaliate.....	95-06-7	---	---	---	---
Tetrachlorinated dibenzo-p-dioxins.....	1746-01-6	---	---	---	---
Thioacetamide.....	62-55-5	---	---	---	---
Thiotepo.....	52-24-4	---	---	---	---
Thiourea.....	62-56-6	---	---	---	---
o-Toluidine.....	119-93-7	---	---	---	---

\* The "HLV" for dioxin is 0.7 picograms per cubic meter (8-hour average). There is no "HLV" in volumetric units. Concentration is expressed in terms of 2,3,7,8 dibenzo-p-dioxin equivalents, as defined in section 22a-174-1. There is an "ambient air quality standard" for this substance contained in section 22a-174-24.

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

TABLE 29-2, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
p-Toluidine.....	106-49-0	90	450	0.02	0.1
o-Toluidine hydrochloride.....	636-21-5	---	---	---	---
Triaziquone.....	68-76-8	---	---	---	---
Tris(1-aziridinyl)phosphine sulfide...	140-56-7	---	---	---	---
Tris (2,3-dibromopropyl)phosphate.....	126-72-7	---	---	---	---
Uracil mustard.....	66-75-1	---	---	---	---
Urethane.....	51-79-6	---	---	---	---
Vinyl bromide.....	593-60-2	44	220	11.ppbv	55.ppbv
Vinyl cyclohexene dioxide.....	106-87-6	600	3,000	0.10.5	---
Xylidine.....	1330-73-8	100	500	0.02	0.1
Zinc chromate (as Cr).....	13530-65-9	0.5	2.5	---	---

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*Regulations of Connecticut State Agencies*

TABLE 29-3

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)		VOLUMETRIC UNITS*	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Acetaldehyde.....	75-07-8	3,600	18,000	2	10
Acetic acid.....	69-19-7	500	2,500	0.2	1
Acetic anhydride.....	188-24-7	400	2,000	0.1	0.5
Acetone.....	67-64-1	11,800	59,000	5	25
Acetone cyanohydrin.....	75-86-5	—	—	—	—
Acetonitrile.....	75-05-8	600	3,400	0.39	1.95
Acetylene.....	74-86-2	—	—	—	—
Acetylene dichloride.....	540-59-0	15,800	79,000	4	20
Acetylene tetrabromide.....	79-27-6	280	1,400	0.02	0.1
Acetylenedicarbonyl acid.....	50-78-2	100	500	—	—
Acrolein.....	107-02-8	5	25	2.ppbv	10.ppbv
Acrylamide.....	79-06-1	6	30	—	—
Acrylic acid.....	79-10-7	600	3,000	0.2	1
Adiponitrile.....	111-69-3	360	1,800	0.08	0.4
Allyl alcohol.....	107-18-6	100	500	0.04	0.2
Allyl chloride.....	107-05-1	60	300	0.02	0.1
Allyl propyl disulfide.....	2179-59-1	240	1,200	0.04	0.2
Aluminum metal and oxide.....	7429-90-5	200	1,000	—	—
Aluminum pyro powder.....	—	100	500	—	—
Aluminum welding fumes.....	—	100	500	—	—
Aluminum soluble salts.....	—	40	200	—	—
Aluminum alkyls (not otherwise classified).....	—	40	200	—	—
2-Aminoethanol.....	141-43-5	120	600	0.04	0.2
2-Aminopyridine.....	504-29-0	40	200	0.01	0.05
Ammonia.....	7664-41-7	360	1,800	0.5	2.5
Ammonium chloride fume.....	12125-02-9	200	1,000	—	—
Ammonium sulfate.....	7773-06-0	200	1,000	—	—
n-Amyl acetate.....	628-63-7	10,500	52,500	2	10
sec-Amyl acetate.....	628-38-0	13,000	65,000	2.5	10
Aniline.....	62-53-3	200	1,000	0.04	0.2
p-Anisidine.....	29191-52-4	10	50	2.ppbv	10.ppbv
Antimony & compounds (as Sb).....	—	10	50	—	—
ANTU (1-Naphthyl thiourea).....	86-88-4	6	30	—	—
Asphalt (petroleum) fumes.....	8852-42-4	100	500	—	—

\* Volumetric units are in parts per million by volume, unless shown as parts per billion by volume (ppbv) or parts per trillion by volume (pptv).

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)				VOLUMETRIC UNITS*	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Atrazine.....	1912-24-9	100	500	—	—	—	—
Azinphos-methyl.....	86-50-0	4	20	—	—	—	—
Barium (soluble compounds), as Ba.....	7440-39-3	10	50	—	—	—	—
Baygon (propoxur).....	114-26-1	10	50	—	—	—	—
Benzoyl.....	17804-35-2	200	1,000	—	—	—	—
Benzal chloride.....	98-87-3	—	—	—	—	—	—
Benzenethiol.....	108-98-5	40	200	0.01	0.05	—	—
Benzo(r,s,t) pentaphene.....	189-55-9	—	—	—	—	—	—
p-Benzoquinone.....	106-51-4	8	40	2. ppbv	10. ppbv	—	—
Benzoyl chloride.....	98-88-4	—	—	—	—	—	—
Benzoyl peroxide.....	94-36-0	100	500	—	—	—	—
Benzyl chloride.....	100-44-7	100	500	0.02	0.1	—	—
Biphenyl.....	92-52-4	30	150	2.6 ppbv	13. ppbv	—	—
Bismuth telluride.....	1304-82-1	200	1,000	—	—	—	—
Bismuth telluride, Se-doped.....	—	100	500	—	—	—	—
Borates, tetra, sodium salts							
- anhydrous.....	1303-96-4	20	100	—	—	—	—
- decahydrate.....	1303-96-4	100	500	—	—	—	—
- pentahydrate.....	1303-96-4	20	100	—	—	—	—
Boron oxide.....	1303-86-2	200	1,000	—	—	—	—
Boron tribromide.....	10294-33-4	200	1,000	0.02	0.1	—	—
Boron trifluoride.....	7637-07-2	—	—	—	—	—	—
Bromacil.....	314-40-9	200	1,000	0.02	0.1	—	—
Bromine.....	7726-95-6	14	70	2. ppbv	10. ppbv	—	—
Bromine pentafluoride.....	7789-30-2	14	70	2. ppbv	10. ppbv	—	—
Bromochloromethane/chlorobromomethane.....	74-97-5	21,000	105,000	4	20	—	—
Bromoform.....	75-25-2	100	500	0.01	0.05	—	—
Butane.....	106-97-8	38,000	190,000	16	80	—	—
1-Butanethiol.....	109-79-5	30	150	0.01	0.05	—	—
2-Butanethiol.....	513-53-1	30	150	0.01	0.05	—	—
2-Butanone.....	78-93-3	11,000	59,000	4	20	—	—
2-Butoxyethanol.....	111-76-2	2,400	12,000	0.5	2.5	—	—
n-Butyl acetate.....	123-86-4	14,200	71,000	3	15	—	—
sec-Butyl acetate.....	105-46-4	19,000	95,000	4	20	—	—
tert-Butyl acetate.....	540-88-5	19,000	95,000	4	20	—	—

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*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)				VOLUMETRIC UNITS	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Butyl acrylate.....	141-32-2	1,100	5,500	0.2	1		
n-Butyl alcohol.....	71-36-3	6,000	30,000	2	10		
sec-Butyl alcohol.....	78-92-2	6,100	30,500	2	10		
tert-Butyl alcohol.....	75-65-1	6,000	30,000	2	10		
Butylamine.....	109-73-9	—	—	—	—		
tert-Butyl chromate (as CrO3).....	1189-85-1	—	—	—	—		
n-Butyl lactate.....	138-22-7	500	2,500	0.1	0.5		
Butyl mercaptan.....	109-79-5	30	150	0.01	0.05		
o-sec-Butylphenol.....	89-72-5	600	3,000	0.1	0.5		
p-tert-Butyltoluene.....	98-51-1	1,200	6,000	0.2	1		
n-Butyronitrile.....	109-74-0	440	2,200	0.16	0.8		
Cadmium oxide production.....	1306-19-0	1	5	—	—		
Calcium arsenate (as As).....	7778-44-1	—	—	—	—		
Calcium cyanamide.....	156-62-7	10	50	—	—		
Calcium hydroxide.....	1305-62-0	100	500	—	—		
Calcium oxide.....	1305-78-8	40	200	—	—		
Camphor, synthetic.....	76-22-2	240	1,200	0.04	0.2		
Caprolactam dust.....	105-60-2	20	100	—	—		
Caprolactam vapor.....	105-60-2	400	2,000	0.1	0.5		
Captafol (difolatan).....	2425-06-1	2	10	—	—		
Captaon.....	113-06-2	100	500	—	—		
Carbaryl (Sevin).....	83-25-2	100	500	—	—		
Carbofuran (Furadan).....	1563-66-2	2	10	—	—		
Carbon black.....	1333-86-4	70	350	—	—		
Carbon disulfide.....	75-15-0	60	300	0.02	0.1		
Carbon tetrabromide.....	558-13-4	28	140	2. ppbv	10. ppbv		
Carbonyl chloride (Phosgene).....	75-44-5	8	40	2. ppbv	10. ppbv		
Carbonyl fluoride.....	353-50-4	100	500	0.04	0.2		
Catechol.....	120-80-8	400	2,000	0.1	0.5		
Cesium hydroxide.....	21351-79-1	40	200	—	—		
2-Chloraniline.....	106-47-8	0.06	0.3	0.01 ppbv	0.05 ppbv		
Chlorinated diphenyl oxide.....	55720-99-5	10	50	—	—		
Chlorine.....	7782-50-5	60	300	0.02	0.1		
Chlorine dioxide.....	10049-04-4	6	30	2. ppbv	10. ppbv		
Chlorine trifluoride.....	7790-01-2	—	—	—	—		

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*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Chloradione acetate.....	302-22-7	—	—	—	—
Chloroacetaldehyde.....	107-20-0	—	—	—	—
alpha - Chloroacetophenone (Phenacyl chloride).....	532-27-4	6	30	1. ppbv	5. ppbv
Chloroacetyl chloride.....	79-04-0	4	20	1. ppbv	5. ppbv
Chlorobenzene.....	108-90-7	7,000	35,000	1.5	7.5
o-Chlorobenzylidene malonitrile.....	2698-41-1	8	40	1. ppbv	5. ppbv
Chlorobromomethane/bromochloromethane.....	74-97-5	21,000	105,000	4	20
2-Chloro-1,3-butadiene.....	126-99-8	900	4,500	0.2	1
Chlorodifluoromethane.....	75-45-6	70,000	350,000	20	100
Chlorodiphenyl (42% Chlorine).....	53469-21-0	20	100	—	—
Chlorodiphenyl (54% Chlorine).....	11097-69-1	10	50	—	—
2-Chloroethanol.....	107-07-3	320	1,600	0.1	0.5
Chloropentafluoroethane.....	76-15-3	126,400	632,000	20	100
1-Chloro-1-nitro-propane.....	600-25-9	200	1,000	0.04	0.2
Chloropierin.....	76-06-2	14	70	2. ppbv	10. ppbv
beta - Chloroprene.....	126-99-8	900	4,500	0.2	1
o-Chlorostyrene.....	1331-28-8	5,700	28,500	1	5
o-Chlorotoluene.....	95-49-8	5,000	25,000	1	5
Chloropyrifos (Dursban).....	2921-88-2	4	20	—	—
Chromium (II) compounds, as Cr.....	—	10	50	—	—
Chromium (III) compounds, as Cr.....	—	10	50	—	—
Chromium (IV) compounds, non- carcinogenic, as Cr.....	—	0.5	2.5	—	—
Chromyl chloride.....	14877-61-8	3	15	0.5ppbv	2.5ppbv
Clofibrate.....	637-07-1	—	—	—	—
Cislimprene.....	911-45-5	—	—	—	—
Clopidol.....	2971-90-6	200	1,000	—	—
Coal dust.....	—	40	200	—	—
Cobalt metal, dust & fume (as Co).....	7440-48-4	2	10	—	—
Cobalt carbonyl, as Co.....	00000-00-0	2	10	—	—
Cobalt hydrocarbonyl, (as Co).....	16842-03-8	2	10	—	—
Copper - dusts & mists (as Cu).....	7440-50-8	20	100	—	—
Copper fume.....	7440-50-8	2	10	—	—
Cotton dust, raw.....	—	4	20	—	—

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*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS	
				8-HOUR	30-MINUTE
Crag herbicide.....	558-22-9	300	1,500	—	—
Cresol.....	1319-77-3	200	1,000	0.048	0.24
Crotonaldehyde.....	123-73-9	120	600	0.04	0.2
Cruformate.....	299-86-5	100	500	—	—
Cumene.....	98-82-8	4,900	24,500	1	5
Cyanamide.....	420-04-2	40	200	—	—
Cyanides, as CN.....	51-50-8	100	500	—	—
	143-33-9	100	500	—	—
Cyanogen.....	460-19-5	400	2,000	0.2	1
Cyanogen chloride.....	506-77-4	—	—	—	—
Cyclamates.....	100-88-9	—	—	—	—
Cyclohexane.....	110-82-7	21,000	105,000	6	30
Cyclohexanethiol.....	1569-69-3	—	—	—	—
Cyclohexanol.....	108-93-0	4,000	20,000	1	5
Cyclohexanone.....	108-94-1	2,000	10,000	0.5	2.5
Cyclohexene.....	110-83-8	20,300	101,500	6	30
Cyclohexylamine.....	100-91-8	800	4,000	0.2	1
Cyclonite.....	121-82-4	30	150	—	—
Cyclopentadiene.....	542-92-7	4,000	20,000	1.5	7.5
Cyclopentane.....	287-92-3	17,000	85,000	6	30
Cyhexatin.....	13121-70-5	—	—	—	—
2,4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	200	1,000	—	—
Dalapon.....	75-99-0	120	600	0.02	0.1
Dapsone.....	80-08-0	—	—	—	—
Decaborane.....	17702-41-0	6	30	1.ppbv	5.ppbv
Decanethiol.....	143-10-2	—	—	—	—
Demeton.....	8065-48-3	2	10	0.2 ppbv	1.ppbv
Diacetone alcohol.....	123-42-2	4,800	24,000	1	5
1,2-Diaminoethane.....	107-15-3	500	2,500	0.2	1
Diazinon.....	333-41-5	2	10	—	—
Diazomethane.....	334-88-3	8	40	4.ppbv	20.ppbv
Diborane.....	19287-45-7	2	10	2.ppbv	10.ppbv
Dibrom.....	300-76-5	60	300	—	—
2-n-Dibutylaminoethanol.....	102-81-8	280	1,400	0.04	0.2

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

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TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Dibutyl phosphate.....	107-66-4	100	500	0.02	0.1
Dibutyl phthalate.....	84-74-2	100	500	—	—
Dichloroacetylene.....	7572-29-4	—	—	—	—
o-Dichlorobenzene.....	95-50-1	—	—	—	—
p-Dichlorobenzene.....	106-46-7	9,000	45,000	1.5	7.5
Dichlorodifluoromethane.....	75-71-8	99,000	495,000	20	100
1,3-Dichloro-5,5-dimethyl hydantoin...	118-52-5	4	20	—	—
1,1-Dichloroethane.....	75-34-3	8,000	40,000	2	10
1,2-Dichloroethylene.....	540-59-0	15,000	70,000	4	20
Dichloroethyl ether.....	111-44-4	600	3,000	0.1	0.5
Dichloromethane.....	75-09-2	7,000	35,000	2	10
Dichloromonofluoromethane.....	75-43-4	800	4,000	0.2	1
1,1-Dichloro-1-nitroethane.....	504-72-0	200	1,000	0.04	0.2
Dichloropropene.....	542-75-6	100	500	0.02	0.1
2,2-Dichloropropionic acid.....	75-99-0	120	600	0.02	0.1
Dichlorotetrafluoroethane.....	76-14-2	140,000	700,000	20	100
Dichlorvos (DDVP).....	62-73-7	20	100	2. ppbv	10. ppbv
Dicofolophos (Bidrin).....	141-66-2	5	25	—	—
Dicyclohexyl methane 4,4'-diisocyanate.....	—	1.1	5.5	—	—
Dicyclopentadiene.....	77-73-6	600	3,000	0.1	0.5
Dicyclopentadienyl Iron.....	102-54-5	200	1,000	—	—
Dieldrin.....	60-57-1	5	25	—	—
Diethanolamine.....	111-42-2	300	1,500	0.05	0.3
Diethylamine.....	109-89-7	600	3,000	0.2	1
Diethylaminoethanol.....	100-37-8	1,000	5,000	0.2	1
Diethyl ether.....	60-29-7	24,000	120,000	8	40
Diethyl ketone.....	96-22-0	14,100	70,500	4	20
Diethyl phthalate.....	84-66-2	100	500	—	—
Diethylene triamine.....	111-40-0	80	400	0.02	0.1
Difluorodibromomethane.....	75-61-6	17,200	86,000	2	10
Diglycidyl ether.....	2238-07-5	10	50	2. ppbv	10. ppbv
Diisobutyl ketone.....	108-83-8	2,800	14,000	0.46	2.3
Diisocyanates, not listed.....	—	—	—	0.1 ppbv	0.5 ppbv
Diisopropylamine.....	108-18-9	400	2,000	0.1	0.5

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*Regulations of Connecticut State Agencies*

TABLE 29-3. Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)		VOLUMETRIC UNITS	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Dimethisterone.....	79-64-1	—	—	—	—
Dimethoxymethane.....	109-67-5	62,000	310,000	20	100
Dimethyl acetamide.....	127-19-5	700	3,500	0.2	1
Dimethylamine.....	124-40-3	360	1,800	0.2	1
Dimethylaniline.....	121-69-7	500	2,500	0.1	0.5
Dimethylformamide.....	68-12-2	500	3,000	0.2	1
Dimethylphthalate.....	131-11-3	100	500	—	—
Dinitolide.....	140-01-6	100	500	—	—
Dinitrobenzene - o isomer.....	528-29-0	20	100	3.ppbv	15.ppbv
Dinitrobenzene - m isomer.....	99-65-0	20	100	3.ppbv	15.ppbv
Dinitrobenzene - p isomer.....	100-25-4	20	100	3.ppbv	15.ppbv
Dinitro-o-cresol.....	534-52-1	4	20	—	—
3,5-Dinitro-o-toluanide (Dinitolide).....	140-01-6	100	500	—	—
Dioxathian (Deinav).....	78-34-2	4	20	—	—
Diphenyl.....	92-52-4	20	100	2.6 ppbv	13.ppbv
Diphenylamine.....	122-39-4	200	1,000	—	—
Diphenylmethane diisocyanate.....	101-68-8	1	5	—	—
Diphenylphthalate.....	—	—	—	—	—
Dipropylene glycol methyl ether.....	34590-94-8	12,000	60,000	2	10
Dipropyl ketone.....	123-18-3	4,700	23,500	1	5
Diquat.....	85-00-7	10	50	—	—
Di-sec octyl phthalate.....	117-81-7	100	500	—	—
Disulfiram.....	97-77-8	40	200	—	—
Disulfoton.....	298-04-4	2	10	—	—
Disyston.....	298-04-4	2	10	—	—
2,6-Ditert butyl-p-cresol.....	128-37-0	200	1,000	—	—
Diuron.....	330-54-1	200	1,000	—	—
Divinyl benzene.....	100-57-6	1,000	5,000	—	—
Dodecanethiol.....	—	—	—	—	—
Dyfonate.....	944-22-9	2	10	—	—
Endosulfan.....	115-29-7	2	10	—	—
Endrin.....	72-20-8	2	10	—	—
EPN.....	2104-84-5	10	50	—	—
Ethane.....	74-84-0	—	—	—	—
Ethanol.....	64-17-5	38,000	190,000	20	100
Ethanolamine.....	141-43-5	120	600	0.04	0.2

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
thion.....	563-12-2	8	40	—	—
γ-Ethoxyethanol.....	110-80-5	300	1,000	0.1	0.5
γ-Ethoxyethyl acetate.....	111-15-9	540	2,700	0.1	0.5
ethyl acetate.....	141-78-6	28,000	140,000	8	40
ethyl acrylate.....	140-88-5	400	2,000	0.1	0.5
ethylamine.....	75-04-7	360	1,800	0.2	1
Ethyl sec-amyl ketone.....	541-85-5	2,600	13,000	0.6	3
Ethyl benzene.....	100-41-4	8,700	43,500	2	10
Ethyl bromide.....	74-96-4	17,800	89,000	4	20
Ethylbutyl ketone.....	106-35-4	4,600	23,000	1	5
Ethyl chloride.....	75-00-3	52,000	260,000	20	100
Ethylene.....	74-85-1	—	—	—	—
Ethylene chlorohydrin.....	107-07-3	320	1,600	0.1	0.5
Ethylenediamine.....	107-15-3	500	2,500	0.2	1
Ethylene glycol dinitrate.....	628-96-6	6	30	1.ppbv	5.ppbv
Ethylene glycol monomethyl ether acetate.....	110-49-6	480	2,400	0.1	0.5
Ethylene glycol, vapor.....	107-21-1	—	—	—	—
Ethylenimine.....	151-56-4	20	100	0.01	0.05
Ethyl ether.....	60-29-7	24,000	120,000	8	40
Ethyl formate.....	109-94-4	6,000	30,000	2	10
Ethylidene norbornene.....	18219-75-3	—	—	—	—
Ethyl mercaptan.....	75-08-1	20	100	0.01	0.05
n-Ethylmorpholine.....	100-74-3	460	2,300	0.1	0.5
Ethyl silicate.....	78-10-4	1,700	8,500	0.2	1
Ethynediol acetate.....	297-70-7	—	—	—	—
Fenamiphos.....	22224-92-6	2	10	—	—
Fensulfothion (Dasanit).....	115-90-2	2	10	—	—
Fenthion.....	55-38-9	4	20	—	—
Ferbam.....	14484-64-1	200	1,000	—	—
Ferrovandium dust.....	12604-58-9	20	100	—	—
Fluorides (as F).....	—	50	250	—	—
Fluorine.....	7782-41-1	4	20	2.ppbv	10.ppbv

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*Regulations of Connecticut State Agencies*

TABLE 29-3. Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
VOLUMETRIC UNITS					
Fluorotrichloromethane.....	75-69-4	112,000	560,000	20	100
5-Fluorouracil.....	51-21-8	—	—	—	—
Fonofos.....	944-22-9	2	10	—	—
Formamide.....	75-12-7	600	3,000	0.4	2
Formic acid.....	64-18-6	100	500	0.1	0.5
Furfural.....	98-01-1	100	500	0.04	0.2
Furfuryl alcohol.....	98-00-0	800	4,000	0.2	1
Gasoline.....	8006-61-9	18,000	90,000	6	30
Germanium tetrahydride.....	7782-65-2	12	60	4.ppbv	20.ppbv
Glass (dust).....	—	100.*	500.*	—	—
Glass (fibrous)**.....	—	—	—	—	—
Glutaraldehyde, activated or unactivated.....	111-30-8	14	70	—	—
Glycerin mist.....	56-81-5	—	—	—	—
Glycidol.....	556-52-5	1,500	7,500	0.5	2.5
Glyconitrile.....	107-16-4	—	—	—	—
Guthion (Azinphos-Methyl).....	86-50-0	4	20	—	—
Hafnium.....	7440-58-6	10	50	—	—
Hematite.....	1317-60-8	—	—	—	—
Heptane (n-Heptane).....	142-82-5	7,000	35,000	1.75	8.75
Heptanethiol.....	1639-09-4	—	—	—	—
Hexachlorocyclohexane.....	319-85-7	—	—	—	—
Hexachlorocyclopentadiene.....	77-47-4	2	10	0.2	1
Hexachloronaphthalene.....	1335-87-1	4	20	—	—
Hexadecanethiol.....	—	—	—	—	—
Hexafluoroacetone.....	684-16-2	14	70	2.ppbv	10.ppbv
Hexamethylene diisocyanate.....	822-06-0	0.7	3.5	—	—
Hexane (n-hexane).....	110-54-3	3,600	18,000	1	5
Hexane, other isomers.....	110-54-3	36,000	180,000	10	50
Hexanethiol.....	111-31-9	—	—	—	—
2-Hexanone.....	591-78-6	400	2,000	0.1	0.5
Hexone.....	108-10-1	4,100	20,500	1	5
sec-Hexyl acetate.....	108-84-0	6,000	30,000	1	5
Hexylene glycol.....	107-41-5	—	—	—	—
Hydralazine.....	86-54-4	—	—	—	—

\* Respirable

\*\* The "HLV" for fibrous glass is 60,000 fibers of a length of 5 microns or greater per cubic meter (8-hour average) or 300,000 fibers of length of 5 microns or greater per cubic meter (30-minute average).

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*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS	
				8-HOUR	30-MINUTE
Hydrazinobenzene.....	100-63-0	400	2,000	0.1	0.5
Hydrochloride o-anisidine.....	—	—	—	—	—
Hydrogenated terphenyls.....	92-94-4	100	500	0.01	0.05
Hydrogen bromide.....	10035-10-6	200	1,000	0.06	0.3
Hydrogen chloride.....	7647-01-0	—	—	—	—
Hydrogen cyanide.....	74-90-8	220	1,100	0.2	1
Hydrogen fluoride.....	7884-39-3	50	250	0.06	0.3
Hydrogen peroxide.....	7722-84-1	28	140	0.02	0.1
Hydrogen selenide.....	7783-07-5	4	20	1.ppbv	5.ppbv
Hydrogen sulfide.....	7783-06-4	280	1,400	0.2	1
Hydroquinone.....	123-31-9	40	200	—	—
17 $\alpha$ -Hydroxyprogesterone caproate.....	—	—	—	—	—
2-Hydroxypropyl acrylate.....	999-61-1	60	300	0.01	0.05
Indene.....	95-13-6	900	4,500	0.2	1
Indium & Compounds (as In).....	7440-74-6	2	10	—	—
Iodine.....	7553-56-2	—	—	—	—
Iodoform.....	75-47-8	200	1,000	0.012	0.06
Iron oxide fume.....	1309-37-1	100	500	—	—
Iron pentacarbonyl.....	13463-40-6	16	80	2.ppbv	10.ppbv
Iron salts, soluble (as Fe).....	—	20	100	—	—
Isamyl acetate.....	123-92-2	10,500	52,500	2	10
Isamyl alcohol.....	123-51-3	7,200	36,000	2	10
Isobutyl acetate.....	110-19-0	14,000	70,000	3	15
Isobutyl alcohol.....	78-83-1	3,000	15,000	1	5
Isobutyronitrile.....	78-82-0	440	2,200	0.16	0.8
Isonicotinic acid hydrazide.....	55-22-1	—	—	—	—
Isooctyl alcohol.....	26052-21-6	5,400	27,000	1	5
Isophorone.....	78-59-1	460	2,300	0.1	0.5
Isophorone diisocyanate.....	4898-71-9	0.9	4.5	0.1ppbv	0.5ppbv
Isopropoxyethanol.....	109-59-1	2,100	10,500	0.5	2.5
Isopropyl acetate.....	108-21-4	19,000	95,000	5	25
Isopropyl alcohol.....	67-63-0	19,600	98,000	8	40
Isopropylamine.....	75-31-0	240	1,200	0.1	0.5
n-Isopropyl aniline.....	643-28-7	200	1,000	0.04	0.2
Isopropyl ether.....	100-20-3	21,000	105,000	5	25

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TABLE 28-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)		VOLUMETRIC UNITS	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Isopropyl oils.....	—	—	—	—	—
Kerosene.....	8008-20-6	2,000	10,000	—	—
Kelene.....	463-51-4	18	90	0.01	0.05
Lead, inorg., fumes & dusts (as Pb).....	7439-92-1	3	15	—	—
Lead arsenate (as Pb).....	10182-48-4	3	15	—	—
Liquified petroleum gas.....	—	36,000	180,000	20	100
Lithium hydride.....	7580-67-8	0.5	2.5	—	—
Lyncestranol.....	52-76-6	—	—	—	—
Magenta.....	632-89-5	—	—	—	—
Magnesite.....	546-93-0	—	—	—	—
Magnesium oxide fume.....	1309-48-8	200	1,000	—	—
Malathion.....	121-75-5	200	1,000	—	—
Maleic anhydride.....	108-31-6	20	100	5.ppbv	25.ppbv
Malonitrile.....	109-77-3	150	800	0.05	0.3
Manganese dust & compounds (as Mn).....	7489-96-5	—	—	—	—
Manganese cyclopentadienyl.....	—	—	—	—	—
tricarbonyl (as Mn).....	12079-65-1	2	10	—	—
Manganese fume (as Mn).....	7439-96-5	20	100	—	—
Manganese tetroxide.....	1317-35-7	20	100	—	—
Medroxyprogesterone acetate.....	71-58-9	—	—	—	—
Megestrol acetate.....	595-33-5	—	—	—	—
6-Mercaptopurine.....	50-44-2	—	—	—	—
Mercury (alkyl compounds) (as Hg).....	—	0.2	1	—	—
Mercury, (all forms except alkyl) (as Hg).....	—	—	—	—	—
vapor.....	—	1	5	—	—
aryl and inorganic compounds.....	—	2	10	—	—
Mesityl oxide.....	141-79-7	800	4,000	0.2	1
Methacrylic acid.....	79-41-4	1,400	7,000	0.4	2
Methanethiol.....	74-83-1	20	100	0.01	0.05
Methanol.....	67-56-1	5,200	26,000	4	20
Methanoyl.....	16752-77-5	50	250	—	—
Methotrexate.....	59-05-2	—	—	—	—
Methoxychlor.....	72-43-5	200	1,000	—	—
2-Methoxyethanol.....	100-86-4	320	1,600	0.1	0.5
2-Methoxyethyl acetate.....	110-49-6	400	2,400	0.1	0.5
4-Methoxyphenol.....	150-76-5	100	500	—	—

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*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

HAZARDOUS AIR POLLUTANT	CAS NUMBER	HAZARD LIMITING VALUE* (HLV*) (ug/m <sup>3</sup> )		VOLUMETRIC UNITS	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Methyl acetate.....	79-20-9	12,200	61,000	4	20
Methyl acetylene.....	74-99-7	33,000	165,000	20	100
Methyl acetylene-propadiene mixture...	—	36,000	180,000	20	100
Methyl acrylate.....	96-33-3	700	3,500	0.2	1
Methacrylonitrile.....	126-98-7	60	300	0.02	0.1
Methylal.....	109-87-5	62,000	310,000	20	100
Methylamine.....	74-89-5	240	1,200	0.2	1
Methyl n-amyl ketone.....	110-43-0	4,700	23,500	1	5
Methyl aniline.....	100-61-8	40	200	0.01	0.05
Methyl bromide.....	74-83-0	1,200	6,000	0.3	1.5
Methyl butyl ketone.....	501-78-6	80	400	20 ppbv	0.14
Methyl cellosolve.....	109-86-4	320	1,600	0.1	0.5
Methyl cellosolve acetate.....	110-49-6	400	1,200	0.1	0.5
Methyl chloride.....	74-87-3	2,100	10,500	1	5
Methyl chloroform.....	71-55-6	38,000	190,000	7	35
Methyl 2-cyanoacrylate.....	137-05-3	160	800	5.04	0.2
Methylcyclohexane.....	108-87-2	32,000	160,000	8	40
Methylcyclohexanol.....	25639-42-3	4,700	23,500	1	5
o-Methylcyclohexanone.....	503-60-6	4,600	23,000	1	5
Methylcyclopentadienyl manganese tricarbonyl (as Mn).....	12108-13-3	4	20	2 ppbv	10 ppbv
Methyl dameton.....	8022-00-2	10	50	—	—
Methylene bis (4-cyclo-hexyl- isocyanate).....	5124-30-1	—	—	—	—
Methylene chloride.....	75-09-2	7,000	35,000	2	10
Methylene diphenyl isocyanate (MDI).....	101-68-0	1	5	—	—
Methyl ethyl ketone (MEK).....	78-03-3	11,800	59,000	4	20
Methyl ethyl ketone peroxide.....	1330-23-4	—	—	—	—
Methyl formate.....	107-31-3	5,000	25,000	2	10
Methyl isooctyl ketone.....	110-12-3	4,600	23,000	0.00	4.8
Methyl isobutyl carbinol.....	100-11-2	2,000	10,000	0.5	2.5
Methyl isobutyl ketone.....	105-10-1	4,000	20,000	1	5
Methyl isocyanate.....	624-83-0	1	5	0.4 ppbv	2 ppbv
Methyl isopropyl ketone.....	503-80-4	14,100	70,500	4	20
Methyl mercaptan.....	74-83-1	20	100	0.01	0.05
Methyl methacrylate.....	80-62-6	8,200	41,000	2	10
Methyl parathion.....	298-00-0	4	20	—	—
Methyl n-propyl ketone.....	107-87-0	10,600	53,000	2.8	14
Methyl silicate.....	681-04-5	120	600	0.02	0.1
Methyl styrene.....	98-83-0	4,000	20,000	1	5
Metribuzin.....	21067-64-0	100	500	—	—

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TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)		VOLUMETRIC UNITS	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Mevinphos.....	7786-34-7	2	10	2.ppbv	10.ppbv
Mica <sup>*</sup> .....	—	—	—	—	—
Mineral wool fiber.....	—	200	1,000	—	—
Molybdenum (as Mo) soluble compounds..	—	100	500	—	—
Molybdenum (insoluble compounds).....	—	200	1,000	—	—
Monocrotophos.....	6923-22-4	5	20	—	—
Monomethyl aniline.....	100-61-8	40	200	0.01	0.05
Naled.....	300-76-5	60	300	—	—
Naphtha <sup>**</sup> .....	—	8,000	40,000	2	10
Naphthalene.....	91-20-3	1,000	5,000	0.2	1
Naphthalene diisocyanate.....	30304-45-1	0.8	4	—	—
1-Naphthylamine.....	134-32-7	—	—	—	—
Nickel (II) oxide.....	1313-99-1	0.3	1.5	—	—
Nickel (III) oxide.....	1314-06-3	0.3	1.5	—	—
Nickel, other soluble compounds (as Ni) <sup>***</sup> .....	—	0.3	1.5	—	—
Nicotine.....	54-11-5	10	50	—	—
Nitropyrin.....	1029-82-4	200	1,000	—	—
Nitric acid.....	7697-37-2	100	500	0.04	0.2
Nitric oxide.....	10102-43-9	600	3,000	0.5	2.5
p-Nitroaniline.....	100-01-6	60	300	0.01	0.05
Nitrobenzene.....	98-95-3	100	500	0.02	0.1
p-Nitrochlorobenzene.....	100-00-5	20	100	—	—
Nitroethane.....	79-24-3	6,200	31,000	2	10
Nitrogen trifluoride.....	7783-54-2	500	2,000	0.2	1
Nitroglycerin.....	55-63-0	10	50	1.ppbv	5.ppbv
Nitromethane.....	75-52-5	5,000	25,000	2	10
1-Nitropropane.....	188-03-2	1,000	9,000	0.5	2.5
Nitrotoluene.....	99-08-1	220	1,100	0.04	0.2
Nitrous oxide.....	10024-97-2	1,340	6,700	0.73	3.65
Nonane.....	111-84-2	21,000	105,000	4	20
Nonanethiol.....	1455-21-6	—	—	—	—
Norethynodrel.....	60-23-4	—	—	—	—
Norgestrel.....	6533-00-2	—	—	—	—
Octachloronaphthalene.....	2234-13-1	2	10	—	—

\* The "HLV" for mica is 0.4 million particles per cubic foot (mppcf), eight-hour average and 2 mppcf, 30-minute average.

\*\* See also VMBP Naphtha

\*\*\* Non-carcinogens

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TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)		VOLUMETRIC UNITS	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Octadecanethiol.....	—	—	—	—	—
Octane.....	111-65-9	7,000	35,000	1.4	7
Octanethiol.....	111-86-6	—	—	—	—
Oil mist, mineral.....	8812-95-1	100	500	—	—
Osmium tetroxide (os Os).....	28816-12-0	0.04	0.2	4.pptv	20.pptv
Oxalic acid.....	144-62-7	20	100	—	—
Oxygen difluoride.....	7783-41-7	2	10	1.ppbv	5.ppbv
Paraffin wax fume.....	8002-74-2	40	200	—	—
Paraquat, respirable sizes.....	1910-42-5	2	10	—	—
Parathion.....	56-38-2	2	10	—	—
Pentaborane.....	19624-22-7	0.2	1	0.1 ppbv	0.5 ppbv
Pentachloronaphthalene.....	1321-64-8	10	50	—	—
Pentachlorophenol.....	87-86-5	10	50	—	—
Penterythritol.....	115-77-5	300	1,500	—	—
Pentane.....	109-66-0	7,000	35,000	2.3	11.7
Pentanethiol.....	110-86-7	—	—	—	—
2-Pentanone.....	107-87-9	10,600	53,000	2.8	14
Pentachloromethyl mercaptan.....	594-42-3	16	80	2.ppbv	10.ppbv
Pentachloro fluoride.....	7610-94-6	270	1,350	0.05	0.3
Perlite.....	—	0.6 mppcf*	3 mppcf*	—	—
Phenelzine.....	51-71-0	—	—	—	—
Phenobarbital.....	50-06-6	—	—	—	—
Phenol.....	108-95-2	380	1,900	0.1	0.5
Phenothiazine.....	92-84-2	100	500	—	—
Phenylbutazone.....	50-33-9	—	—	—	—
p-Phenylenediamine.....	106-50-3	2	10	—	—
Phenyl ether (vapor).....	101-84-6	140	700	0.02	0.1
Phenyl ether-Diphenyl mixture (vapor).....	—	140	700	0.02	0.1
Phenyl mercaptan.....	108-88-5	40	200	0.01	0.05
Phenyl-1-naphthylamine.....	90-30-2	—	—	—	—
Phenylphosphine.....	638-21-1	—	—	—	—
Phorate (Thimet).....	298-02-2	1	5	—	—
Phosdrin (Mevinphos).....	7786-34-7	2	10	2.ppbv	10.ppbv
Phosgene (carbonyl chloride).....	75-44-5	8	40	2.ppbv	10.ppbv
Phosphine.....	7803-61-2	8	40	6.ppbv	30.ppbv

\* mppcf: millions of particles per cubic foot

Note: Dashed lines indicate that no "hazard limiting value" has been established for the "hazardous air pollutant" listed. The "HLV" and/or "AAQS" will be determined at a later date.

*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS	
				8-HOUR	30-MINUTE
Phosphoric acid.....	7664-38-2	20	100	—	—
Phosphorus (yellow).....	7723-14-0	2	10	—	—
Phosphorus oxychloride.....	10025-87-3	12	60	2. ppbv	10. ppbv
Phosphorus pentachloride.....	10026-13-8	20	100	2. ppbv	10. ppbv
Phosphorus pentasulfide.....	1314-80-3	20	100	—	—
Phosphorus trichloride.....	7719-12-2	30	150	4. ppbv	20. ppbv
Phthalic anhydride.....	85-44-9	120	600	0.02	0.1
m-Phthalodinitrile.....	626-17-5	100	500	—	—
Picloram.....	1918-02-1	200	1,000	—	—
Picric acid.....	88-89-1	2	10	—	—
Pindone.....	83-26-1	2	10	—	—
Piperazine dihydrochloride.....	142-64-3	100	500	—	—
Pival (2-Pivalyl)-1,3-indandione.....	83-26-1	2	10	—	—
Platinum (metal).....	7440-06-4	20	100	—	—
Platinum (soluble salts) (as Pt).....	—	0.04	0.2	—	—
Polytetrafluoroethylene decomposition products.....	—	—	—	—	—
Potassium hydroxide.....	1310-58-3	—	—	—	—
Prednisone.....	53-03-2	—	—	—	—
Propane.....	74-98-6	—	—	—	—
Propanethiol.....	75-33-2	36,000	180,000	—	—
Propargyl alcohol.....	107-19-7	40	200	0.02	0.1
Propionic acid.....	79-09-4	600	3,000	0.2	1
Propionitrile.....	107-12-0	280	1,400	0.12	0.6
Propoxur.....	114-26-1	10	50	—	—
n-Propyl acetate.....	109-50-4	16,000	84,000	4	20
Propyl alcohol.....	71-23-8	10,000	50,000	4	20
Propylene.....	115-07-1	—	—	—	—
Propylene dichloride.....	78-87-5	7,000	35,000	1.5	7.5
Propylene glycol dinitrate.....	6423-43-4	6	30	1. ppbv	5. ppbv
Propylene glycol monomethyl ether.....	107-98-2	7,200	36,000	2	10
Propylene oxide.....	75-56-0	1,000	5,000	0.4	2
n-Propyl nitrate.....	627-13-4	2,100	10,500	0.5	2.5
Pyrethrum.....	6003-34-7	100	500	—	—
Pyridine.....	110-86-1	300	1,500	0.1	0.5

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*Regulations of Connecticut State Agencies*

TABLE 29-3. Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)		VOLUMETRIC UNITS	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Quinone.....	186-51-4	8	40	2. ppbv	10. ppbv
RDX.....	121-82-4	30	150	—	—
Resorcinol.....	188-46-3	900	4,500	0.2	1
Rhodium, Metal fume & dusts (as Rh)...	7440-16-6	2	10	—	—
- insoluble compounds.....	—	20	100	—	—
- soluble salts (as Rh).....	—	0.02	0.1	—	—
Ronnel.....	299-84-3	200	1,000	—	—
Resin core solder pyrolysis products (as formaldehyde).....	—	2	10	—	—
Rotenone (commercial).....	83-79-4	100	500	2. ppbv	10. ppbv
Rouge.....	1389-37-1	—	—	—	—
Selenium compounds (as Se).....	—	4	20	—	—
Selenium hexafluoride.....	7783-79-1	4	20	1. ppbv	5. ppbv
Sesone.....	136-78-7	200	1,000	—	—
Silane.....	7803-62-5	140	700	0.1	0.5
Silica, amorphous.....	68676-86-0	—	—	—	—
Silicon carbide.....	409-21-2	—	—	—	—
Silver, metal.....	7440-22-4	0.2	1	—	—
Silver, soluble compounds.....	—	0.2	1	—	—
Soapstone**.....	—	—	—	—	—
Sodium azide.....	28628-22-8	—	—	—	—
Sodium bisulfite.....	7631-90-5	100	500	—	—
Sodium fluoroacetate (100%).....	62-74-6	1	5	—	—
Sodium hydroxide.....	1310-73-2	40	200	—	—
Sodium metabisulfite.....	7681-57-4	100	—	—	—
Sprisonoctone.....	52-01-7	—	—	—	—
Stibine.....	7803-52-3	10	50	2. ppbv	10. ppbv
Stoddard solvent.....	8052-41-3	7,000.**	35,000.**	1.22**	6.1**
Strychnine.....	57-24-9	3	15	—	—
Styrene, monomer.....	100-42-5	4,300	21,500	1	5
Styrene oxide.....	96-09-3	—	—	—	—
Subtilisin (proteolytic enzymes as 100% pure crystalline enzyme).....	1395-21-7	—	—	—	—
Succinonitrile.....	110-51-2	400	2,000	0.12	0.6
Sulfafurazole.....	127-69-5	—	—	—	—

\* The "HLV" for soapstone is 0.4 million particles per cubic foot (mppcf), eight-hour average and 2 mppcf, 30-minute average.

\*\* Petroleum solvents generally, except kerosene

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*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS	
				8-HOUR	30-MINUTE
Sulfamethoxazole.....	723-46-6	—	—	—	—
Sulfotep.....	3689-24-5	4	20	—	—
Sulfur hexafluoride.....	2551-62-4	120,000	500,000	20	100
Sulfuric acid.....	7664-93-9	20	100	—	—
Sulfur monochloride.....	10025-67-9	120	600	0.02	0.1
Sulfur pentafluoride.....	5714-22-7	5	25	0.5 ppbv	2.5 ppbv
Sulfur tetrafluoride.....	7783-60-0	8	40	2 ppbv	10 ppbv
Sulfuryl fluoride.....	2699-79-8	400	2,000	0.1	0.5
Sulprofos.....	35400-43-2	20	100	—	—
2,4,5-T.....	93-76-5	200	1,000	—	—
Tantalum.....	7440-25-7	100	500	—	—
TEDP (Sulfotep).....	3689-24-5	4	20	—	—
Teflon decomposition products.....	—	—	—	—	—
Tellurium & compounds, as Te.....	13494-80-9	2	10	—	—
Tellurium hexafluoride, as Te.....	7783-80-4	4	20	0.4	2
Tenephos.....	3383-96-8	200	1,000	—	—
TEPP.....	107-49-3	1	5	0.08 ppbv	0.4 ppbv
Terphenyls.....	92-94-4	—	—	—	—
2,3,7,8-Tetrachlorodibenzofuran.....	51207-31-0	—	—	—	—
1,1,1,2-Tetrachloro-2,2-difluoroethane	76-11-9	83,400	417,000	10	50
1,1,2,2-Tetrachloro-1,2-difluoroethane	76-12-0	83,400	417,000	10	50
Tetrachloronaphthalene.....	1335-88-2	40	200	—	—
Tetraethyl lead (as Pb).....	78-00-2	1.5	7.5	—	—
Tetrahydrofuran.....	109-69-9	11,800	59,000	4	20
Tetramethyl lead (as Pb).....	75-74-1	1.5	7.5	—	—
Tetramethyl succinonitrile.....	3333-52-6	60	120	0.01	0.05
Tetranitromethane.....	509-14-8	160	800	0.02	0.1
Tetrasodium pyrophosphate.....	7722-88-5	100	500	—	—
Tetryl (2,4,6-trinitrophenyl- methylnitramine).....	470-45-8	30	150	—	—
Thallium, soluble compounds (as Tl)...	—	2	10	—	—
4,4'-Thiobis (5-tert butyl- <i>m</i> -cresol)...	98-69-5	200	1,000	—	—
Thioglycolic acid.....	68-11-1	100	500	0.02	0.1
Thiram.....	137-26-8	100	500	—	—
Tin, metal.....	7440-31-5	40	200	—	—

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*Regulations of Connecticut State Agencies*

TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)		VOLUMETRIC UNITS	
		8-HOUR	30-MINUTE	8-HOUR	30-MINUTE
Tin, inorganic compounds, except SnH4.	—	40	200	—	—
Tin, organic compounds (as Sn).....	—	2	10	—	—
Tin, oxide (as Sn).....	—	40	200	—	—
Titanium dioxide (as Ti).....	13463-67-7	300	1,500	—	—
Toluene.....	108-88-3	7,500	37,500	2	10
Toluene-2,4-diisocyanate (TDI).....	584-84-9	0.72	4	0.1 ppbv	0.5 ppbv
Tributyl phosphate.....	126-73-8	50	250	4 ppbv	20 ppbv
Trichloroacetic acid.....	76-03-9	100	500	0.02	0.1
1,2,4-Trichlorobenzene.....	120-82-1	800	4,000	0.1	0.5
1,1,1-Trichloroethane.....	71-65-6	38,000	190,000	7	35
Trichlorofluoromethane.....	75-69-4	—	—	—	—
Trichloronaphthalene.....	1321-65-9	100	500	—	—
2,4,5-Trichlorophenol.....	95-95-4	—	—	—	—
1,2,3-Trichloropropane.....	96-18-4	6,000	30,000	1	5
1,1,2-Trichloro-1,2,2-trifluoroethane.....	76-13-1	152,000	760,000	20	100
Tricyclohexyltin hydroxide (Cyhexatin)	13121-70-5	100	500	—	—
Triethylamine.....	121-44-8	800	4,000	0.2	1
Trifluoromonobromomethane.....	75-63-8	122,000	610,000	20	100
Trimellitic anhydride.....	552-30-7	0.8	4	0.1 ppbv	0.5 ppbv
Trimethylamine.....	75-50-3	480	2,400	0.2	1
Trimethyl benzene.....	25551-13-7	2,500	12,500	0.5	2.5
Trimethyl phosphite.....	121-45-9	200	1,000	0.04	0.2
2,4,6-Trinitrotoluene (TNT).....	118-96-7	10	50	—	—
Triorthocresyl phosphate.....	73-38-8	2	10	—	—
Triphenyl amine.....	603-34-9	100	500	—	—
Triphenyl phosphate.....	115-86-6	60	300	—	—
Tungsten & compounds, as W - soluble..	—	20	100	—	—
— insoluble.....	—	100	500	—	—
Turpentine.....	8006-64-2	11,200	56,000	2	10
Undecanethiol.....	—	—	—	—	—
Uranium (natural) compounds (as U)	—	—	—	—	—
soluble.....	—	1	5	—	—
insoluble.....	—	4	20	—	—
Valeraldehyde.....	110-62-3	3,500	17,500	1	5
Vanadium, as Pentoxide, - Dust.....	1314-62-1	1	5	—	—
— (Fume).....	1314-62-1	1	5	—	—

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TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3)			
		8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
Vinblastine.....	865-21-4	—	—	—	—
Vincristine.....	57-22-7	—	—	—	—
Vinyl acetate.....	108-05-4	600	3,000	0.2	1
Vinylidene chloride.....	75-35-4	400	2,000	0.1	0.5
Vinyl toluene.....	25013-15-4	9,600	48,000	2	10
VM & P Naphtha.....	8030-30-6	27,000	135,000	6	30
Warfarin.....	81-81-2	2	10	—	—
Welding fumes (not otherwise classified)	—	100	500	—	—
o-Xylene.....	1330-20-7	8,680	43,400	2	10
m-Xylene.....	1330-20-7	8,680	43,400	2	10
p-Xylene.....	1330-20-7	8,680	43,400	2	10
m-Xylene , '—diamine.....	1477-55-0	—	—	—	—
Yttrium.....	7440-65-5	20	100	—	—
Zinc chloride fume.....	7646-85-7	20	100	—	—
Zinc oxide fume.....	1314-13-2	100	500	—	—
Zinc stearate.....	557-05-1	—	—	—	—
Zirconium compounds (as Zr).....	—	100	500	—	—

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(Effective October 21, 1988; Amended April 4, 2006; Amended April 6, 2016)