REV. 1/7

IMPORTANT: Read Instructions on bottom of Certification Page before completing this form. Failure to comply with instructions may cause disapproval of proposed Regulations.

3436

STATE OF CONNECTICUT

REGULATION

OF

NAME OF AGENCY

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Concerning

SUBJECT MATTER OF REGULATION

Abatement of Air Pollution

SECTION 1

The Regulations of Connecticut State Agencies are amended by the addition of section 22a-174-29 as follows:

(NEW)

Section 22a-174-29. "Hazardous Air Pollutants"

(a) "Hazard Limiting Values" and "Ambient Air Quality Standards"

(a)(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.

(a)(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."

(a)(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"

(b)(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" or the "source" is in compliance with the provisions of subdivision (d)(3).

(b)(2) On or after the effective date of these regulations no "person" shall cause or permit the "emission" of any "hazardous air pollutant" from any "stationary source" or "modification" for which the person applies for and obtains a permit under section 22a-174-3 at a concentration at the "discharge point" in excess of the "maximum allowable stack concentration" unless the "source" is in compliance with the provisions of subdivision (d)(3). The "Commissioner" shall not apply the provisions of this subdivision to the owner or "operator" of any "stationary source" who applies for a permit under these regulations prior to March 1, 1986 and receives a notice of a complete application prior to the effective date of these regulations or to any other owner or "operator who receives a permit under these regulations prior to the effective date of these regulations.

(b)(3) If the owner or "operator" of a "stationary source" which 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 (b)(2) which emits or may emit a "hazardous air pollutant" shall comply with the requirements of subdivision (b)(2) if the "Commissioner" determines, through ambient monitoring, that the "HLV" is exceeded as a result of the "emission" from that "stationary source".

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

(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:

$$\frac{0.885\ HLV\ (X + 1.08V_o^{.64})^{1.56}}{V_o} \qquad [1]$$

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_o" 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:

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

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_o" 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:

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

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

(c)(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"

(d)(1) The provisions of this subsection apply to any "stationary source" which emits an "air pollutant for which there is an "ambient air quality standard" ("AAQS") found in section 22a-174-24 except for a "criteria air pollutant".

(d)(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".

(d)(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".

(d)(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".

(d)(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".

(e)(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."

(e)(2) In addition to any testing required by subdivision (e)(2) of section 22a-174-5, 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; or

(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; or

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

(D) the emissions from a "source are suspected of causing a violation of an "AAQS"; or

(E) there is an enforcement action for violation of section 22a-174-20 or 22a-174-23 ; or

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

(e)(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", his 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.

(f) Reporting Requirements

(f)(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.

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

(f)(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 then 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.

(f)(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.

(g)(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

(h)(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.

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-Acetylamino fluorene	53-96-3	---	---	---	---
Acrylonitrile	107-13-1	22	110	0.01	0.05
Aflatoxins	83219-44-7	---	---	---	---
	83219-45-8	---	---	---	---
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	0.25 ppbv	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 shows as parts per billion by volume (ppbv) or parts per trillion by volume (pptv).

** The "HLV" for asbestos (all forms, including amosite, crysotile, 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.

TABLE 29-1, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	(ug/m3) 30-MINUTE	VOLUMETRIC UNITS 8-HOUR	VOLUMETRIC UNITS 30-MINUTE
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
Diethylstilboestriol.....	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	---	---	---	---
-Napthylamine.....	91-59-8	---	---	---	---
Nickel carbonyl, as Ni.....	13463-39-3	1.75	8.75	0.25 ppbv	1.25 ppbv
Nickel (metal).....	7440-02-2	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.

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	---	---	---	---
(PAH)	50-32-8	0.1*	0.5*	---	---
-Propiolactone	57-57-8	7.5	37.5	2.5 ppbv	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	---	---
Treosulfan	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.

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	---	---	---	--
Aldicarb	116-06-3	---	---	---	---
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-methylanthraquinone	82-28-0	---	---	---	---
3-Amino 1,2,4-triazole (amitrole)	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	---	---	---	---
Benzotrichloride	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	7440-43-9	---	---	---	---
Cadmium dust & salts (as Cd)	7440-43-9	0.5	2.5	---	---
Cadmium oxide fume (as Cd)	1306-19-0	0.1	0.5	---	---
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	106-89-8	20	100	6.ppbv	30.ppbv
bis-Chloroethyl nitrosourea (BCNU)	108-60-1	---	---	---	---
1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (CCNU)	13909-09-6	---	---	---	---
Chrysene	218-01-9	---	---	---	---
Cisplatin	15663-27-1	---	---	---	---
p-Cresidine	120-71-8	---	---	---	---

* Volumetric units are in parts per million by volume, unless shows 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.

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
Cupferron	135-20-6	---	---	---	---
Cycasin	14901-08-7	---	---	---	---
Dacarbazene	4342-03-4	---	---	---	---
DDT (Dichlorodiphenyl-trichloro-ethane)	50-29-3	5	25		
2,4-Diaminoanisole 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
Dienestrol	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	1300-73-8	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	---	---	---	---
Epichlorhydrin	106-89-8	20	100	6.ppbv	30.ppbv
Ethinylestridiol	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.

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
Hydrazine sulfide	---	---	---	---	---
Hydrazobenzene	122-66-7	---	---	---	---
Indeno(1,2,3-cd)pyrene	193-39-5	---	---	---	---
Iron dextran complex	9004-66-4	---	---	---	---
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	101-77-9	8	40	1.ppbv	5.ppbv
4,4'-Methylene bis (n,n-dimethyl) benzenamide	101-61-1	---	---	---	---
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	4549-40-0	---	---	---	---
n-Nitrosomorpholine	59-89-2	---	---	---	---
n-Nitrosonornicotine	16543-55-8	---	---	---	---
n-Nitrosopiperidine	100-75-4	---	---	---	---

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
n-Nitrosopyrrolidine	930-55-2	---	---	---	---
n-Nitrososarcosine	20661-60-3	---	---	---	---
Norethisterone	68-22-4	---	---	---	---
Oestradiol-17-beta	2529-64-8	---	---	---	---
Oestrone	53-16-7	---	---	---	---
Phenazopyridine	94-78-0	---	---	---	---
Phenazopyridine chloride	---	---	---	---	---
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	135-88-6	---	---	---	---
Phenytoin	57-41-0	---	---	---	---
Polybrominated biphenyls	---	---	---	---	---
Polychlorinated biphenyls:					
42% Cl	53469-21-9	0.01	0.05	---	---
54% Cl	11097-69-1	0.01	0.05	---	---
Procarbazine	671-16-9	---	---	---	---
Procarbazine hydrochloride	366-70-1	---	---	---	---
Progesterone	57-83-0	---	---	---	---
Propane sultone	1120-71-4	---	---	---	---
Propylene imine	75-55-8	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	---	---	---	---
Sulfallate	95-06-7	---	---	---	---
Tetrachlorinated dibenzo-p-dioxins	1746-01-6	---	---	---	---
Thioacetamide	62-55-5	---	---	---	---
Thiotepa	52-24-4	---	---	---	---
Thiourea	62-56-6	---	---	---	---
o-Tolidine	119-93-7	---	---	---	---

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	0.01	0.05
Zinc chromate (as Cr)	13530-65-9	0.5	2.5	---	----

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 29-3

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS* 8-HOUR	30-MINUTE
Acetaldehyde	75-07-0	3,600	18,000	2	10
Acetic acid	69-19-7	500	2,500	0.2	1
Acetic anhydride	108-24-7	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	680	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
Acetylsalicylic 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 sulfamate	7773-06-0	200	1,000	---	---
n-Amyl acetate	628-63-7	10,500	52,500	2	10
sec-Amyl acetate	626-38-0	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	1.ppbv	5.ppbv
Antimony & compounds (as Sb)	---	10	50	---	---
ANTU (-Naphthyl thiourea)	86-88-4	6	30	---	---
Asphalt (petroleum) fumes	8052-42-4	100	500	---	---

* Volumetric units are in parts per million by volume, unless shows 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.

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
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	---	---
Benomyl	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	0.02	0.1
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	---	---
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	11,800	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

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS 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	0.01	0.05
Captafol (difolatan)	2425-06-1	2	10	---	---
Captan	113-06-2	100	500	---	---
Carbaryl (Sevin)	63-25-2	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	120-80-9	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	7790-91-2	---	---	---	---

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TABLE 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	(ug/m3) 30-MINUTE	VOLUMETRIC UNITS 8-HOUR	VOLUMETRIC UNITS 30-MINUTE
Chlormadione acetate	302-22-7	---	---	---	---
Chloroacetaldehyde	107-20-0	---	---	---	---
- 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)	53469-21-9	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
Chloropicrin	76-06-2	14	70	2.ppbv	10.ppbv
- 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	14977-61-8	3	15	5.ppbv	25.ppbv
Clofibrate	637-07-1	---	---	---	---
Clomiprene	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	---	---

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
Crag herbicide	556-22-9	300	1,500	---	---
Cresol	1319-77-3	200	1,000	0.048	0.24
Crotonaldehyde	123-73-9	120	600	0.04	0.2
Crufomate	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	5	25
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	108-91-8	800	4,000	0.2	1
Cyclonite	121-82-4	30	150	---	---
Cyclohexylmethane 4,4'-diisocyanate	---	1.1	5.5	---	---
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	17702-41-9	6	30	---	---
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

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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
Dibutyl phosphate	107-66-4	100	50	0.02	0.1
Dibutyl phthalate	84-74-2	100	500	---	---
Dichloracetylene	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	15,800	79,000	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	594-72-9	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
Dicrotophos (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	0.06	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
Diglycidal 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

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
Dimethisterone	79-64-1	---	---	---	---
Dimethoxymethane	109-87-5	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	600	3,000	0.2	1
Dimethylphthalate	131-11-3	100	500	---	---
Dinitolmide	148-01-6	100	500	---	---
Dinitrobenzene	528-29-0	20	100	3.ppbv	15.ppbv
	99-65-0	20	100	3.ppbv	15.ppbv
	100-25-4	20	100	3.ppbv	15.ppbv
Dinitro-o-cresol	534-52-1	4	20	---	---
3,5-Dinitro-o-toluamide (Dinitolmide)	148-01-6	100	500	---	---
Dioxathion (Delnav)	78-34-2	4	20	---	---
Diphenyl	92-52-4	20	100	2.6 ppbv	13.ppbv
Diphenylamine	122-39-4	200	1,000	---	---
Diphenylmethane isocyanate	101-68-8	1	5	---	---
Diphenylphthalate	---	---	---	---	---
Dipropylene glycol methyl ether	34590-94-8	12,000	60,000	2	10
Dipropyl ketone	123-19-3	4,700	23,500	1	5
Diquat	85-00-7	10	50	0.2	1
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	108-57-6	1,000	5,000	---	---
Dodecanethiol	---	---	---	---	---
Dyfonate	944-22-9	2	10	---	---
Endosulfan	115-29-7	2	10	---	---
Endrin	72-20-8	2	10	---	---
EPN	2104-64-5	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.

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
Ethion	563-12-2	8	40	---	---
2-Ethoxyethanol	110-80-5	380	1,900	0.1	0.5
2-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 dichloride	107-06-2	80	400	---	---
Ethylene glycol (vapor)	107-21-1	2,500	12,500	---	---
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	---	---
Ethylidene norbornene	16219-75-3	---	---	---	---
Ethyl mercaptan	75-08-1	20	100	---	---
n-Ethylmorpholine	100-74-3	460	2,300	---	---
Ethyl silicate	78-10-4	1,700	8,500	---	---
Ethynodiol acetate	297-76-7	---	---	---	---
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	---	---
Ferrovanadium dust	12604-58-9	20	100	---	---
Fluorides (as F)	---	50	250	---	---
Fluorine	7782-41-1	4	20	2.ppbv	10.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.

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
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	180	900	0.1	0.5
Furfural	98-01-1	160	800	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	---	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	108-84-9	6,000	30,000	1	5
Hexylene glycol	107-41-5	2,500	12,500	---	---
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).

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 29-3, 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	7664-39-3	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	---	---
17x-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	---	---
Isoamyl acetate	123-92-2	10,500	52,500	2	10
Isoamyl 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	26952-21-6	5,400	27,000	1	5
Isophorone	78-59-1	460	2,300	0.1	0.5
Isophorone diisocyanate	4098-71-9	0.9	4.5	0.2 ppbv	1.ppbv
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	108-20-3	21,000	105,000	5	25

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
Isopropyl oils	---	---	---	---	---
Kerosene	8008-20-6	2,000	10,000	---	---
Ketene	463-51-4	18	90	0.01	0.05
Lead, inorg., fumes & dusts (as Pb)	---	3	15	---	---
Lead arsenate (as Pb)	10102-48-4	3	15	---	---
Liquified petroleum gas	---	36,000	180,000	20	100
Lithium hydride	7580-67-8	0.5	2.5	---	---
Lynoestrenol	52-76-6	---	---	---	---
Magenta	632-90-5	---	---	---	---
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	160	800	0.06	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	74-93-1	20	100	0.01	0.05
Methanol	67-56-1	5,200	26,000	4	20
Methomyl	16752-77-5	50	250	---	---
Methotrexate	59-05-2	---	---	---	---
Methoxychlor	72-43-5	200	1,000	---	---
2-Methoxyethanol	109-86-4	320	1,600	0.1	0.5
2-Methoxyethyl acetate	110-49-6	480	2,400	0.1	0.5
4-Methoxyphenol	150-76-5	100	500	---	---

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS 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
Methylacrylonitrile	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
n-Methyl aniline	100-61-8	40	200	0.01	0.05
Methyl bromide	74-83-9	1,200	6,000	0.3	1.5
Methyl butyl ketone	591-78-6	80	400	28.ppbv	0.14
Methyl cellosolve	109-86-4	320	1,600	0.1	0.5
Methyl cellosolve acetate	110-49-6	480	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	0.04	0.2
Methylcyclohexane	108-87-2	32,000	160,000	8	40
Methylcyclohexanol	25639-42-3	4,700	23,500	1	5
o-Methylcyclohexanone	583-60-8	4,600	23,000	1	5
Methylcyclopentadienyl manganese tricarbonyl (as Mn)	12108-13-3	4	20	2.ppbv	10.ppbv
Methyl demeton	8022-00-2	10	50	0.1 ppbv	0.5 ppbv
Methylene bis (4-cyclo-hexyl-isocyanate)	5124-30-1	---	---	---	---
Methylene chloride	75-09-2	7,000	35,000	2	10
Methylene diphenyl isocyanate (MDI)	101-68-8	1	5	---	---
Methyl ethyl ketone (MEK)	78-93-3	11,800	59,000	4	20
Methyl ethyl ketone peroxide	1338-23-4	---	---	---	---
Methyl formate	107-31-3	5,000	25,000	2	10
Methyl isoamyl ketone	110-12-3	4,600	23,000	0.96	4.8
Methyl isobutyl carbinol	108-11-2	2,000	10,000	0.5	2.5
Methyl isobutyl ketone	108-10-1	4,000	20,000	1	5
Methyl isocyanate	624-83-9	1	5	0.4 ppbv	2.ppbv
Methyl isopropyl ketone	563-80-4	14,100	70,500	4	20
Methyl mercaptan	74-93-1	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	107-87-9	10,600	53,000	2.8	14
Methyl silicate	681-84-5	120	600	0.02	0.1
Methyl styrene	98-83-9	4,800	24,000	1	5
Metribuzin	21087-64-9	100	500	---	---

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
Mevinphos	7786-34-7	2	10	2.ppbv	10.ppbv
Mica	---	0.4	2	---	---
		mppcf*	mppcf*		
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**	---	8,000	40,000	2	10
Naphthalene	91-20-3	1,000	5,000	0.2	1
Naphthalene diisocyanate	39394-45-1	0.8	4	---	---
1-Napthylamine	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)***	---	2	10	---	---
Nicotine	54-11-5	10	50	---	---
Nitrapyrin	1929-82-4	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	580	2,900	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	108-03-2	1,800	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	68-23-4	---	---	---	---
Norgestrel	6533-00-2	---	---	---	---
Octachloronaphthalene	2234-13-1	2	10	---	---

* mppcf: millions of particles per cubic foot

** See also VM&P Naphtha

*** Non-carcinogens

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
Octadecanethiol	---	---	---	---	---
Octane	111-65-9	7,000	35,000	1.4	7
Octanethiol	111-86-6	---	---	---	---
Oil mist, mineral	8012-95-1	100	500	---	---
Osmium tetroxide (as Os)	20816-12-0	0.4	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	---	---
Pentaerythritol	115-77-5	300	1,500	---	---
Pentane	109-66-0	7,000	35,000	4	20
Pentanethiol	110-66-7	---	---	---	---
2-Pentanone	107-87-9	10,600	53,000	2.8	14
Perchloromethyl mercaptan	594-42-3	16	80	2.ppbv	10.ppbv
Perchloryl fluoride	7616-94-6	270	1,350	0.06	0.3
Perlite	---	0.6 mppcf*	3 mppcf*	---	---
Phenelzine	51-71-8	---	---	---	---
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-Phenylene diamine	106-50-3	2	10	---	---
Phenyl ether (vapor)	101-84-8	140	700	0.02	0.1
Phenyl ether-Diphenyl mixture (vapor)	---	140	700	0.02	0.1
Phenyl mercaptan	108-98-5	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	7803-51-2	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.

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	---	---
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	109-60-4	16,800	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	75-56-9	1,000	5,000	0.4	2
n-Propyl nitrate	627-13-4	2,100	10,500	0.5	2.5
Pyrethrum	8003-34-7	100	500	---	---
Pyridine	110-86-1	300	1,500	0.1	0.5

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
Quinone	106-51-4	8	40	2.ppbv	10.ppbv
RDX	121-82-4	30	150	---	---
Resorcinol	108-46-3	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	---	---
Rosin/core solder pyrolysis products (as formaldehyde)	---	2	10	---	---
Rotenone (commercial)	83-79-4	100	500	2.ppbv	10.ppbv
Rouge	1309-37-1	---	---	---	---
Selenium compounds (as Se)	---	4	20	---	---
Selenium hexafluoride	7783-79-1	8	40	2.ppbv	10.ppbv
Sesone	136-78-7	200	1,000	---	---
Silane	7803-62-5	140	700	0.1	0.5
Silica, amorphous	60676-86-0	---	---	---	---
Silicon carbide	409-21-2	---	---	---	---
Silver, metal	7440-22-4	0.2	1	---	---
Silver, soluble compounds	---	0.2	1	---	---
Soapstone	---	0.4 mppcf*	2 mppcf*	---	---
Sodium azide	26628-22-8	---	---	---	---
Sodium bisulfite	7631-90-5	100	500	---	---
Sodium fluoroacetate (1080)	62-74-8	1	5	---	---
Sodium hydroxide	1310-73-2	40	200	---	---
Sodium metabisulfite	7681-57-4	100	---	---	---
Sprionolactone	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	---	---	---	---
Subtilisins (proteolytic enzymes as 100% pure crystalline enzyme)	1395-21-7	---	---	---	---
Succinonitrile	110-61-2	400	2,000	0.12	0.6
Sulfafurazole	127-69-5	---	---	---	---

* mppcf: millions of particles per cubic foot

** Petroleum solvents generally, except kerosene

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	(ug/m3) 30-MINUTE	VOLUMETRIC UNITS 8-HOUR	VOLUMETRIC UNITS 30-MINUTE
Sulfamethoxazole	723-46-6	---	---	---	---
Sulfotep	3689-24-5	4	20	---	---
Sulfur hexafluoride	2551-62-4	120,000	600,000	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	---	---	---	---	---
Tellerium & compounds, as Te	13494-80-9	2	10	---	---
Tellerium hexafluoride, as Te	7783-80-4	4	20	0.4	2
Temephos	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	109-99-9	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)	479-45-8	30	150	---	---
Thallium, soluble compounds (as Tl)	---	2	10	---	---
4,4'-Thiobis (6-tert butyl-m-cresol)	96-69-5	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	---	---

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 29-3, Continued

"HAZARDOUS AIR POLLUTANT"	"CAS NUMBER"	"HAZARD LIMITING VALUE" ("HLV") (ug/m3) 8-HOUR	30-MINUTE	VOLUMETRIC UNITS 8-HOUR	30-MINUTE
Tin, inorganic compounds, except SnH4.	---	40	200	---	---
Tin, organic compounds (as Sn).....	---	2	10	---	---
Tin, oxide (as Sn).....	---	---	---	---	---
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	---	---	---	---
1,1,1-Trichloroethane.....	71-55-6	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
Trifluoromonobomomethane.....	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.....	73-30-8	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	---	---

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 29-3, 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	---	---	---	---
Xylidine	1330-73-8	200	1,000	0.04	0.2
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	---	---

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.

ION

.. that the foregoing:

.egulations [ ] Emergency Regulations

Are:

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

e 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 August 27, 1985, of the notice of the proposal to:

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

(If applicable): [X] And the holding of an advertised public hearing on 9/30, 10/1, 10/2, 10/3 &10/7 85 ~~xxxx~~ 19____

WHEREFORE, the foregoing regulations are hereby:

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

Effective:

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

(OR)

[ ] The _____ day of _____ 19____.

	DATE	SIGNED *(Head of Board, Agency or Commission)*	OFFICIAL TITLE, DULY AUTHORIZED
In Witness Whereof:	4/4/86	Stanley J. Pac	Commissioner

	SIGNED	OFFICIAL TITLE, DULY AUTHORIZED
Approved by the Attorney General as to legal sufficiency in accordance with Sec. 4-169, as amended, C.G.S.:	Ole Rudle MAY 1 1986	Dep. Att Gen

[X] Approved

[ ] Disapproved

isapproved in part, *(Indicate Section Numbers disapproved only)*

[ ] Rejected without prejudice.

	DATE	SIGNED *(Clerk of the Legislative Regulation Review Committee)*
By the Legislative Regulation Review Committee in accordance with Sec. 4-170, as amended, of the General Statutes.	6/17/86	Ruth A. Goodrich

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	SIGNED *(Secretary of the State.)*	BY
July 1, 1986	Julia H. Tashjian	Agnes L. Kerr

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.

RECEIVED

JUL 01 1986

ADMIN. DIV. SEC'Y. OF STATE