

Environmental Protection Agency

Pt. 266, App. III

[56 FR 7228, Feb. 21, 1991; 56 FR 32690, July 17, 1991]

APPENDIX II TO PART 266—TIER I FEED RATE SCREENING LIMITS FOR TOTAL CHLORINE

Terrain-adjusted effective stack height (m)	Noncomplex Terrain		Complex Terrain
	Urban (g/hr)	Rural (g/hr)	(g/hr)
4	8.2E+01	4.2E+01	1.9E+01
6	9.1E+01	4.8E+01	2.8E+01
8	1.0E+02	5.3E+01	4.1E+01
10	1.2E+02	6.2E+01	5.8E+01
12	1.3E+02	7.7E+01	7.2E+01
14	1.5E+02	9.1E+01	9.1E+01
16	1.7E+02	1.2E+02	1.1E+02
18	1.9E+02	1.4E+02	1.2E+02
20	2.1E+02	1.8E+02	1.3E+02
22	2.4E+02	2.3E+02	1.4E+02
24	2.7E+02	2.9E+02	1.6E+02
26	3.1E+02	3.7E+02	1.7E+02
28	3.5E+02	4.7E+02	1.9E+02
30	3.9E+02	5.8E+02	2.1E+02
35	5.3E+02	9.6E+02	2.6E+02
40	6.2E+02	1.4E+03	3.3E+02
45	8.2E+02	2.0E+03	4.0E+02
50	1.1E+03	2.6E+03	4.8E+02
55	1.3E+03	3.5E+03	6.2E+02
60	1.6E+03	4.6E+03	7.7E+02
65	2.0E+03	6.2E+03	9.1E+02
70	2.3E+03	7.2E+03	1.1E+03
75	2.5E+03	8.6E+03	1.2E+03
80	2.9E+03	1.0E+04	1.3E+03
85	3.3E+03	1.2E+04	1.4E+03
90	3.7E+03	1.4E+04	1.6E+03
95	4.2E+03	1.7E+04	1.8E+03
100	4.8E+03	2.1E+04	2.0E+03
105	5.3E+03	2.4E+04	2.3E+03
110	6.2E+03	2.9E+04	2.5E+03
115	7.2E+03	3.5E+04	2.8E+03
120	8.2E+03	4.1E+04	3.2E+03

[56 FR 32690, July 17, 1991]

APPENDIX III TO PART 266—TIER II EMISSION RATE SCREENING LIMITS FOR FREE CHLORINE AND HYDROGEN CHLORIDE

Terrain-adjusted effective stack height (m)	Noncomplex terrain				Complex terrain	
	Values for urban areas		Values for rural areas		Values for use in urban and rural areas	
	Cl ₂ (g/hr)	HCl (g/hr)	Cl ₂ (g/hr)	HCl (g/hr)	Cl ₂ (g/hr)	HCl (g/hr)
4	8.2E+01	1.4E+03	4.2E+01	7.3E+02	1.9E+01	3.3E+02
6	9.1E+01	1.6E+03	4.8E+01	8.3E+02	2.8E+01	4.9E+02
8	1.0E+02	1.8E+03	5.3E+01	9.2E+02	4.1E+01	7.1E+02
10	1.2E+02	2.0E+03	6.2E+01	1.1E+03	5.8E+01	1.0E+03
12	1.3E+02	2.3E+03	7.7E+01	1.3E+03	7.2E+01	1.3E+03
14	1.5E+02	2.6E+03	9.1E+01	1.6E+03	9.1E+01	1.6E+03
16	1.7E+02	2.9E+03	1.2E+02	2.0E+03	1.1E+02	1.8E+03
18	1.9E+02	3.3E+03	1.4E+02	2.5E+03	1.2E+02	2.0E+03
20	2.1E+02	3.7E+03	1.8E+02	3.1E+03	1.3E+02	2.3E+03
22	2.4E+02	4.2E+03	2.3E+02	3.9E+03	1.4E+02	2.4E+03
24	2.7E+02	4.8E+03	2.9E+02	5.0E+03	1.6E+02	2.8E+03
26	3.1E+02	5.4E+03	3.7E+02	6.5E+03	1.7E+02	3.0E+03
28	3.5E+02	6.0E+03	4.7E+02	8.1E+03	1.9E+02	3.4E+03
30	3.9E+02	6.9E+03	5.8E+02	1.0E+04	2.1E+02	3.7E+03
35	5.3E+02	9.2E+03	9.6E+02	1.7E+04	2.6E+02	4.6E+03
40	6.2E+02	1.1E+04	1.4E+03	2.5E+04	3.3E+02	5.7E+03
45	8.2E+02	1.4E+04	2.0E+03	3.5E+04	4.0E+02	7.0E+03
50	1.1E+03	1.8E+04	2.6E+03	4.6E+04	4.8E+02	8.4E+03
55	1.3E+03	2.3E+04	3.5E+03	6.1E+04	6.2E+02	1.1E+04
60	1.6E+03	2.9E+04	4.6E+03	8.1E+04	7.7E+02	1.3E+04

Terrain-adjusted effective stack height (m)	Noncomplex terrain				Complex terrain	
	Values for urban areas		Values for rural areas		Values for use in urban and rural areas	
	Cl ₂ (g/hr)	HCl (g/hr)	Cl ₂ (g/hr)	HCl (g/hr)	Cl ₂ (g/hr)	HCl (g/hr)
65	2.0E+03	3.4E+04	6.2E+03	1.1E+05	9.1E+02	1.6E+04
70	2.3E+03	3.9E+04	7.2E+03	1.3E+05	1.1E+03	1.8E+04
75	2.5E+03	4.5E+04	8.6E+03	1.5E+05	1.2E+03	2.0E+04
80	2.9E+03	5.0E+04	1.0E+04	1.8E+05	1.3E+03	2.3E+04
85	3.3E+03	5.8E+04	1.2E+04	2.2E+05	1.4E+03	2.5E+04
90	3.7E+03	6.6E+04	1.4E+04	2.5E+05	1.6E+03	2.9E+04
95	4.2E+03	7.4E+04	1.7E+04	3.0E+05	1.8E+03	3.2E+04
100	4.8E+03	8.4E+04	2.1E+04	3.6E+05	2.0E+03	3.5E+04
105	5.3E+03	9.2E+04	2.4E+04	4.3E+05	2.3E+03	3.9E+04
110	6.2E+03	1.1E+05	2.9E+04	5.1E+05	2.5E+03	4.5E+04
115	7.2E+03	1.3E+05	3.5E+04	6.1E+05	2.8E+03	5.0E+04
120	8.2E+03	1.4E+05	4.1E+04	7.2E+05	3.2E+03	5.6E+04

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APPENDIX IV TO PART 266—REFERENCE AIR CONCENTRATIONS*

Constituent	CAS No.	RAC (ug/m ³)	Constituent	CAS No.	RAC (ug/m ³)
Acetaldehyde	75-07-0	10	Mercury	7439-97-6	0.3
Acetonitrile	75-05-8	10	Methacrylonitrile	126-98-7	0.1
Acetophenone	98-86-2	100	Methomyl	16752-77-5	20
Acrolein	107-02-8	20	Methoxychlor	72-43-5	50
Aldicarb	116-06-3	1	Methyl Chlorocarbonate	79-22-1	1000
Aluminum Phosphide	20859-73-8	0.3	Methyl Ethyl Ketone	78-93-3	80
Allyl Alcohol	107-18-6	5	Methyl Parathion	298-00-0	0.3
Antimony	7440-36-0	0.3	Nickel Cyanide	557-19-7	20
Barium	7440-39-3	50	Nitric Oxide	10102-43-9	100
Barium Cyanide	542-62-1	50	Nitrobenzene	98-95-3	0.8
Bromomethane	74-83-9	0.8	Pentachlorobenzene	608-93-5	0.8
Calcium Cyanide	592-01-8	30	Pentachlorophenol	87-86-5	30
Carbon Disulfide	75-15-0	200	Phenol	108-95-2	30
Chloral	75-87-6	2	M-Phenylenediamine	108-45-2	5
Chlorine (free)		0.4	Phenylmercuric Acetate	62-38-4	0.075
2-Chloro-1,3-butadiene	126-99-8	3	Phosphine	7803-51-2	0.3
Chromium III	16065-83-1	1000	Phthalic Anhydride	85-44-9	2000
Copper Cyanide	544-92-3	5	Potassium Cyanide	151-50-8	50
Cresols	1319-77-3	50	Potassium Silver Cyanide	506-61-6	200
Cumene	98-82-8	1	Pyridine	110-86-1	1
Cyanide (free)	57-12-15	20	Selenious Acid	7783-60-8	3
Cyanogen	460-19-5	30	Selenourea	630-10-4	5
Cyanogen Bromide	506-68-3	80	Silver	7440-22-4	3
Di-n-butyl Phthalate	84-74-2	100	Silver Cyanide	506-64-9	100
o-Dichlorobenzene	95-50-1	10	Sodium Cyanide	143-33-9	30
p-Dichlorobenzene	106-46-7	10	Strychnine	57-24-9	0.3
Dichlorodifluoromethane	75-71-8	200	1,2,4,5-Tetrachlorobenzene	95-94-3	0.3
2,4-Dichlorophenol	120-83-2	3	2,3,4,6-Tetrachlorophenol	58-90-2	30
Diethyl Phthalate	84-66-2	800	Tetraethyl Lead	78-00-2	0.0001
Dimethoate	60-51-5	0.8	Tetrahydrofuran	109-99-9	10
2,4-Dinitrophenol	51-28-5	2	Thallic Oxide	1314-32-5	0.3
Dinoseb	88-85-7	0.9	Thallium	7440-28-0	0.5
Diphenylamine	122-39-4	20	Thallium (I) Acetate	563-68-8	0.5
Endosulfan	115-29-1	0.05	Thallium (I) Carbonate	6533-73-9	0.3
Endrin	72-20-8	0.3	Thallium (I) Chloride	7791-12-0	0.3
Fluorine	7782-41-4	50	Thallium (I) Nitrate	10102-45-1	0.5
Formic Acid	64-18-6	2000	Thallium Selenite	12039-52-0	0.5
Glycidyaldehyde	765-34-4	0.3	Thallium (I) Sulfate	7446-18-6	0.075
Hexachlorocyclopentadiene	77-47-4	5	Thiram	137-26-8	5
Hexachlorophene	70-30-4	0.3	Toluene	108-88-3	300
Hydrocyanic Acid	74-90-8	20	1,2,4-Trichlorobenzene	120-82-1	20
Hydrogen Chloride	7647-01-1	7	Trichloromonofluoromethane	75-69-4	300
Hydrogen Sulfide	7783-06-4	3	2,4,5-Trichlorophenol	95-95-4	100
Isobutyl Alcohol	78-83-1	300	Vanadium Pentoxide	1314-62-1	20
Lead	7439-92-1	0.09	Warfarin	81-81-2	0.3
Maleic Anhydride	108-31-6	100	Xylenes	1330-20-7	80
			Zinc Cyanide	557-21-1	50