

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 <sub>2</sub> (g/hr)	HCl (g/hr)	Cl <sub>2</sub> (g/hr)	HCl (g/hr)	Cl <sub>2</sub> (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
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	8.8E + 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

[56 FR 32691, July 17, 1991, as amended at 71 FR 40277, July 14, 2006]

APPENDIX IV TO PART 266—REFERENCE AIR CONCENTRATIONS\*

Constituent	CAS No.	RAC (ug/m <sup>3</sup> )	Constituent	CAS No.	RAC (ug/m <sup>3</sup> )
Acetaldehyde	75-07-0	10	Di-n-butyl Phthalate	84-74-2	100
Acetonitrile	75-05-8	10	o-Dichlorobenzene	95-50-1	10
Acetophenone	98-86-2	100	p-Dichlorobenzene	106-46-7	10
Acrolein	107-02-8	20	Dichlorodifluoromethane	75-71-8	200
Aldicarb	116-06-3	1	2,4-Dichlorophenol	120-83-2	3
Aluminum Phosphide	20859-73-8	0.3	Diethyl Phthalate	84-66-2	800
Allyl Alcohol	107-18-6	5	Dimethoate	60-51-5	0.8
Antimony	7440-36-0	0.3	2,4-Dinitrophenol	51-28-5	2
Barium	7440-39-3	50	Dinoseb	88-85-7	0.9
Barium Cyanide	542-62-1	50	Diphenylamine	122-39-4	20
Bromomethane	74-83-9	0.8	Endosulfan	115-29-1	0.05
Calcium Cyanide	592-01-8	30	Endrin	72-20-8	0.3
Carbon Disulfide	75-15-0	200	Fluorine	7782-41-4	50
Chloral	75-87-6	2	Formic Acid	64-18-6	2000
Chlorine (free)		0.4	Glycidyaldehyde	765-34-4	0.3
2-Chloro-1,3-butadiene	126-99-8	3	Hexachlorocyclopentadiene	77-47-4	5
Chromium III	16065-83-1	1000	Hexachlorophene	70-30-4	0.3
Copper Cyanide	544-92-3	5	Hydrocyanic Acid	74-90-8	20
Cresols	1319-77-3	50	Hydrogen Chloride	7647-01-1	7
Cumene	98-82-8	1	Hydrogen Sulfide	7783-06-4	3
Cyanide (free)	57-12-15	20	Isobutyl Alcohol	78-83-1	300
Cyanogen	460-19-5	30	Lead	7439-92-1	0.09
Cyanogen Bromide	506-68-3	80	Maleic Anhydride	108-31-6	100
			Mercury	7439-97-6	0.3
			Methacrylonitrile	126-98-7	0.1
			Methomyl	16752-77-5	20

## Pt. 266, App. V

## 40 CFR Ch. I (7-1-17 Edition)

Constituent	CAS No.	RAC (ug/ m <sup>3</sup> )	Constituent	CAS No.	RAC (ug/ m <sup>3</sup> )
Methoxychlor .....	72-43-5	50	2,3,4,6-Tetrachlorophenol .....	58-90-2	30
Methyl Chlorocarbonate .....	79-22-1	1000	Tetraethyl Lead .....	78-00-2	0.0001
Methyl Ethyl Ketone .....	78-93-3	80	Tetrahydrofuran .....	109-99-9	10
Methyl Parathion .....	298-00-0	0.3	Thallic Oxide .....	1314-32-5	0.3
Nickel Cyanide .....	557-19-7	20	Thallium .....	7440-28-0	0.5
Nitric Oxide .....	10102-43-9	100	Thallium (I) Acetate .....	563-68-8	0.5
Nitrobenzene .....	98-95-3	0.8	Thallium (I) Carbonate .....	6533-73-9	0.3
Pentachlorobenzene .....	608-93-5	0.8	Thallium (I) Chloride .....	7791-12-0	0.3
Pentachlorophenol .....	87-86-5	30	Thallium (I) Nitrate .....	10102-45-1	0.5
Phenol .....	108-95-2	30	Thallium Selenite .....	12039-52-0	0.5
M-Phenylenediamine .....	108-45-2	5	Thallium (I) Sulfate .....	7446-18-6	0.075
Phenylmercuric Acetate .....	62-38-4	0.075	Thiram .....	137-26-8	5
Phosphine .....	7803-51-2	0.3	Toluene .....	108-88-3	300
Phthalic Anhydride .....	85-44-9	2000	1,2,4-Trichlorobenzene .....	120-82-1	20
Potassium Cyanide .....	151-50-8	50	Trichloromonofluoromethane .....	75-69-4	300
Potassium Silver Cyanide .....	506-61-6	200	2,4,5-Trichlorophenol .....	95-95-4	100
Pyridine .....	110-86-1	1	Vanadium Pentoxide .....	1314-62-1	20
Selenious Acid .....	7783-60-8	3	Warfarin .....	81-81-2	0.3
Selenourea .....	630-10-4	5	Xylenes .....	1330-20-7	80
Silver .....	7440-22-4	3	Zinc Cyanide .....	557-21-1	50
Silver Cyanide .....	506-64-9	100	Zinc Phosphide .....	1314-84-7	0.3
Sodium Cyanide .....	143-33-9	30			
Strychnine .....	57-24-9	0.3			
1,2,4,5-Tetrachlorobenzene .....	95-94-3	0.3			

\*The RAC for other appendix VIII part 261 constituents not listed herein or in appendix V of this part is 0.1 ug/m.<sup>3</sup>

[56 FR 7232, Feb. 21, 1991; 56 FR 32691, July 17, 1991, as amended at 71 FR 40277, July 14, 2006]

APPENDIX V TO PART 266—RISK SPECIFIC DOSES (10<sup>-5</sup>)

Constituent	CAS No.	Unit risk (m <sup>3</sup> / μg)	RsD (μg/m <sup>3</sup> )
Acrylamide .....	79-06-1	1.3E-03	7.7E-03
Acrylonitrile .....	107-13-1	6.8E-05	1.5E-01
Aldrin .....	309-00-2	4.9E-03	2.0E-03
Aniline .....	62-53-3	7.4E-06	1.4E+00
Arsenic .....	7440-38-2	4.3E-03	2.3E-03
Benz(a)anthracene .....	56-55-3	8.9E-04	1.1E-02
Benzene .....	71-43-2	8.3E-06	1.2E+00
Benzidine .....	92-87-5	6.7E-02	1.5E-04
Benzo(a)pyrene .....	50-32-8	3.3E-03	3.0E-03
Beryllium .....	7440-41-7	2.4E-03	4.2E-03
Bis(2-chloroethyl)ether .....	111-44-4	3.3E-04	3.0E-02
Bis(chloromethyl)ether .....	542-88-1	6.2E-02	1.6E-04
Bis(2-ethylhexyl)-phthalate .....	117-81-7	2.4E-07	4.2E+01
1,3-Butadiene .....	106-99-0	2.8E-04	3.6E-02
Cadmium .....	7440-43-9	1.8E-03	5.6E-03
Carbon Tetrachloride .....	56-23-5	1.5E-05	6.7E-01
Chlordane .....	57-74-9	3.7E-04	2.7E-02
Chloroform .....	67-66-3	2.3E-05	4.3E-01
Chloromethane .....	74-87-3	3.6E-06	2.8E+00
Chromium VI .....	7440-47-3	1.2E-02	8.3E-04
DDT .....	50-29-3	9.7E-05	1.0E-01
Dibenz(a,h)anthracene .....	53-70-3	1.4E-02	7.1E-04
1,2-Dibromo-3-chloropropane .....	96-12-8	6.3E-03	1.6E-03
1,2-Dibromoethane .....	106-93-4	2.2E-04	4.5E-02
1,1-Dichloroethane .....	75-34-3	2.6E-05	3.8E-01
1,2-Dichloroethane .....	107-06-2	2.6E-05	3.8E-01
1,1-Dichloroethylene .....	75-35-4	5.0E-05	2.0E-01
1,3-Dichloropropene .....	542-75-6	3.5E-01	2.9E-05
Dieldrin .....	60-57-1	4.6E-03	2.2E-03
Diethylstilbestrol .....	56-53-1	1.4E-01	7.1E-05
Dimethylnitrosamine .....	62-75-9	1.4E-02	7.1E-04
2,4-Dinitrotoluene .....	121-14-2	8.8E-05	1.1E-01
1,2-Diphenylhydrazine .....	122-66-7	2.2E-04	4.5E-02
1,4-Dioxane .....	123-91-1	1.4E-06	7.1E+00
Epichlorohydrin .....	106-89-8	1.2E-06	8.3E+00
Ethylene Oxide .....	75-21-8	1.0E-04	1.0E-01
Ethylene Dibromide .....	106-93-4	2.2E-04	4.5E-02
Formaldehyde .....	50-00-0	1.3E-05	7.7E-01
Heptachlor .....	76-44-8	1.3E-03	7.7E-03
Heptachlor Epoxide .....	1024-57-3	2.6E-03	3.8E-03