

National Dioxin Emission Inventory

(g-TEQ/year)

Sources	Emissions							Reduction target	
	1997	1998	1999	2000	2001	2002	2003		
1. To the air									
Municipal waste incinerators	5,000	1,550	1,350	1,019	812	370	71	310	
Industrial waste incinerators	1,500	1,100	690	555	533	265	74	200	
Small scale waste incinerators	700-1,153	700-1,153	517-848	544-675	342-454	112-135	73-98	66-112	
Cremation*	2.1-4.6	2.2-4.8	2.2-4.9	2.2-4.8	2.2-4.9	2.3-5.1	2.3-5.1		
Industrial sources	Electric steel-making furnaces	228.5	139.9	141.5	131.1	95.3	94.8	80.3	130.3
	Sintering process for steel industry	135	113.8	101.3	69.8	65.0	51.1	35.7	93.2
	Secondary production of zinc	47.4	25.4	21.8	26.5	9.2	14.7	5.5	13.8
	Aluminum scrap melting process	30.7	28.8	23.0	22.2	19.6	16.2	17.4	11.8
	Others	21.8	20.9	13.3	14.2	14.7	13.6	13.3	15
Cigarettes smoke*	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2		
Automobile exhaust*	1.4	1.4	1.4	1.4	1.4	1.4	1.4		
2. To the water									
Municipal waste incinerators	0.044	0.044	0.035	0.035	0.019	0.008	0.004		
Industrial waste incinerators	5.27	5.27	5.29	2.47	1.47	0.856	0.599		
Industrial sources	6.14	5.67	5.77	4.80	1.99	0.99	0.73		
Sewage treatment plants*	1.09	1.09	1.09	1.09	0.99	0.505	0.540		
Joint industrial wastewater treatment plants*	0.126	0.126	0.126	0.126	0.107	0.208	0.203		
Solid waste final disposal sites*	0.093	0.093	0.093	0.056	0.027	0.021	0.020		
(Total emission of sources with an asterisk)	3.7-6.3	3.8-6.5	3.8-6.6	3.8-6.5	3.7-6.5	3.8-6.7	3.8-6.7	3-5	
Total	7,680-8,135	3,695-4,151	2,874-3,208	2,394-2,528	1,899-2,014	944-970	376-404	843-891	
(To the water)	12.77	12.30	12.40	8.57	4.60	2.58	2.10		
Reduction from 1997 level (%)	-	49.0-51.9	60.6-62.6	68.8-68.9	75.2-75.3	87.7-88.1	95.0-95.1		

Note: Reduction target includes the amount discharged to water.