

## National Dioxin Emissions Inventory

(g-TEQ/year)

Sources	Emissions							Reduction target	
	1997	1998	1999	2000	2001	2002	2003 (Estimated)		
1. To the air									
Municipal waste incinerators	5,000	1,550	1,350	1,019	812	370	277	310	
Industrial waste incinerators	1,500	1,100	690	555	533	265	161-202	200	
Small scale waste incinerators	700-1,153	700-1,153	517-848	544-675	342-454	112-135	68-90	66-112	
Cremation*	2.1-4.6	2.2-4.8	2.2-4.9	2.2-4.8	2.2-4.9	2.2-4.9	2.2-4.9		
Industrial source	Electric steel-making furnaces	228.5	139.9	141.5	131.1	95.3	94.8	92.4	130.3
	Sintering process for steel industry	135	113.8	101.3	69.8	65.0	51.1	50.8	93.2
	Secondary production of zinc	47.4	25.4	21.8	26.5	9.2	14.7	8.3	13.8
	Aluminum scrap melting process	30.7	28.8	23.0	22.2	19.6	16.2	13.2	11.8
	Others	21.8	20.9	13.3	14.2	14.7	13.6	13.6	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	0.009		
Industrial waste incinerators	5.27	5.27	5.29	2.47	1.47	0.859	0.611		
Industrial sources	6.14	5.67	5.77	4.80	1.99	0.99	0.98		
Sewage treatment plants*	1.09	1.09	1.09	1.09	0.99	0.505	0.529		
Joint industrial waste water treatment plants*	0.126	0.126	0.126	0.126	0.107	0.208	0.189		
Solid waste final disposal sites*	0.093	0.093	0.093	0.056	0.027	0.021	0.021		
(Total emission of sources with *)	4.9-7.5	5.0-7.7	5.0-7.8	5.0-7.7	4.8-7.6	4.4-7.2	4.4-7.2	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	690-756	843-891	
(To the Water)	12.77	12.30	12.40	8.57	4.60	2.58	2.34		
Reduction from 1997 level (%)	nil	49.0-51.9	60.6-62.6	68.8-68.9	75.2-75.3	87.7-88.1	90.7-91.0		

Note: Reduction target includes the amount discharged to water.