Table 3-2: Emissions from Industrial Processes (Gg)

Gas/Source	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
CO_2	**54,577**	**53,319**	**53,656**	**55,282**	**58,219**	**61,917**	**63,293**	**66,063**	**66,984**	**67,401**
Cement Manufacture	33,278	32,535	32,792	34,624	36,087	36,847	37,079	38,323	39,218	39,896
Lime Manufacture	11,238	11,013	11,389	11,642	12,054	12,805	13,495	13,685	13,914	13,426
Limestone and Dolomite Use	5,117	4,896	4,502	4,058	5,170	6,987	7,305	8,327	8,114	8,290
Soda Ash Manufacture and Consumption	4,144	4,035	4,091	4,048	4,012	4,309	4,273	4,434	4,325	4,217
Carbon Dioxide Consumption	800	840	882	912	898	968	1,140	1,294	1,413	1,572
Iron and Steel Production[a]	87,600	70,560	75,840	77,120	79,040	81,440	79,040	79,360	77,120	71,840
Ammonia Manufacture[a]	23,138	23,364	24,391	23,399	24,316	23,682	24,390	24,346	25,141	25,799
Ferroalloy Production[a]	1,809	1,580	1,579	1,516	1,607	1,625	1,695	1,789	1,793	1,771
Aluminum Production[a]	5,951	6,058	5,942	5,432	4,850	4,961	5,258	5,296	5,458	5,555
CH_4	**57**	**58**	**61**	**67**	**71**	**72**	**76**	**77**	**78**	**80**
Petrochemical Production	56	57	60	66	70	72	75	77	77	79
Silicon Carbide Production	1	1	1	1	1	1	1	1	1	1
N_2O	**117**	**119**	**116**	**121**	**129**	**130**	**134**	**124**	**91**	**94**
Nitric Acid Production	58	58	59	60	63	64	67	68	67	65
Adipic Acid Production	59	62	57	61	65	66	67	55	23	29
HFCs, PFCs, and SF_6	**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**	**M**
HCFC-22 Production[b]	3	3	3	3	3	2	3	3	3	3
Electrical Transmission and Distribution[c]	1	1	1	1	1	1	1	1	1	1
Substitution of Ozone Depleting Substances	M	M	M	M	M	M	M	M	M	M
Aluminum Production	M	M	M	M	M	M	M	M	M	M
Semiconductor Manufacture	M	M	M	M	M	M	M	M	M	M
Magnesium Production and Processing[c]	+	+	+	+	+	+	+	+	+	+

+ Does not exceed 0.5 Gg

M (Mixture of gases)

[a] Emissions from these sources are accounted for in the Energy chapter and are not included in the Industrial Processes totals.

[b] HFC-23 emitted

[c] SF_6 emitted

Note: Totals may not sum due to independent rounding.