

Appendix A-3: Nitrous Oxide Emissions by Country (MtCO₂eq)

Country	MtCO ₂ eq						
	1990	1995	2000	2005	2010	2015	2020
Albania	0.12	0.10	0.71	1.33	1.94	2.56	3.18
Algeria	9.70	9.56	11.02	12.40	13.99	15.82	18.01
Argentina	56.61	58.18	63.96	75.64	90.52	109.51	134.39
Armenia	0.33	0.24	0.24	0.25	0.25	0.25	0.25
Australia	20.50	22.65	30.36	32.05	33.05	35.03	37.02
Austria	5.74	6.14	5.77	5.76	5.78	5.79	5.80
Azerbaijan	1.35	0.88	0.78	0.78	0.77	0.77	0.78
Bangladesh	32.69	41.98	45.84	49.64	53.49	59.54	65.64
Belarus	10.82	5.10	6.53	6.91	7.24	7.60	7.99
Belgium	13.06	13.10	12.88	12.14	12.42	12.60	12.78
Bolivia	5.87	5.74	16.83	16.89	16.95	17.01	17.07
Brazil	183.07	194.28	241.42	264.46	291.18	321.69	357.36
Bulgaria	12.98	8.28	6.77	8.67	9.58	10.76	11.88
Cambodia	4.07	5.42	4.53	5.51	6.48	8.39	10.30
Canada	52.33	62.75	52.05	57.70	62.37	68.03	73.76
Chile	5.51	6.62	7.05	7.86	8.77	9.77	10.90
China	521.04	626.40	645.36	684.05	725.29	767.51	811.94
Colombia	27.85	31.04	43.62	48.18	53.30	59.01	65.41
Croatia	4.00	3.18	3.30	3.80	3.95	4.38	4.54
Czech Republic	11.30	8.79	8.21	8.06	8.10	8.01	7.99
Democratic Republic of Congo (Kinshasa)	13.56	13.73	32.84	32.99	33.17	33.36	33.58
Denmark	10.78	9.69	8.65	7.81	7.86	7.94	8.02
Ecuador	2.96	2.78	0.89	0.95	1.01	1.06	1.12
Egypt	11.46	13.81	15.96	17.67	19.59	21.76	24.24
Estonia	1.06	0.44	0.44	0.53	0.53	0.56	0.56
Ethiopia	7.13	8.18	12.11	13.61	15.32	17.25	19.44
Finland	7.65	7.25	6.55	6.64	6.46	6.62	6.79
France	93.55	92.62	80.95	79.93	86.11	82.99	89.43
Georgia	2.03	0.89	1.13	1.15	1.18	1.20	1.23
Germany	86.58	80.94	62.26	63.57	61.09	61.24	61.39
Greece	14.29	13.16	13.45	12.99	13.29	13.78	13.98
Hungary	19.13	12.62	12.80	12.98	12.60	12.44	12.27
Iceland	0.37	0.34	0.35	0.35	0.35	0.35	0.35
India	51.11	54.36	67.06	71.29	75.97	81.01	86.64
Indonesia	36.53	36.72	40.84	42.43	44.26	46.12	48.25
Iran	14.06	15.57	18.31	22.82	27.40	33.06	40.02
Iraq	6.37	6.03	6.46	7.36	8.39	9.56	10.89
Ireland	10.03	10.55	11.31	11.14	10.97	10.91	10.85
Israel	1.39	1.50	1.67	1.90	2.17	2.45	2.77
Italy	40.22	41.09	43.07	44.67	46.11	48.75	51.38
Japan	40.15	40.57	37.41	35.57	40.71	38.81	40.51
Jordan	0.12	0.20	0.23	0.24	0.26	0.27	0.29
Kazakhstan	22.37	15.23	7.91	8.08	8.29	8.53	8.78
Kuwait	0.07	0.12	0.16	0.18	0.20	0.22	0.24
Kyrgyzstan	0.17	0.11	0.11	0.11	0.12	0.13	0.14
Laos	1.94	2.15	3.13	3.16	3.20	3.27	3.31
Latvia	3.06	1.10	0.99	1.03	1.16	1.21	1.32
Liechtenstein	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Lithuania	4.15	3.11	3.44	1.40	1.40	1.39	1.39
Luxembourg	0.18	0.20	0.22	0.22	0.22	0.22	0.22
Macedonia	0.13	0.15	0.15	0.15	0.16	0.16	0.17
Mexico	19.89	17.42	24.47	26.78	28.82	31.06	33.54
Moldova	3.89	2.66	1.58	1.59	1.62	1.65	1.69
Monaco	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mongolia	8.83	10.12	12.06	13.07	14.09	15.24	16.39
Myanmar	9.43	10.85	16.38	18.03	19.69	21.79	23.92
Nepal	9.15	9.98	10.29	11.61	13.12	14.80	16.72
Netherlands	21.34	22.43	19.91	19.96	19.86	19.99	19.92
New Zealand	10.41	11.38	12.29	13.95	15.58	17.69	19.77

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Country	MtCO ₂ eq						
	1990	1995	2000	2005	2010	2015	2020
Nigeria	34.09	35.85	41.21	48.13	56.31	65.94	77.36
North Korea	10.88	4.36	6.55	7.03	7.59	8.21	8.91
Norway	5.06	4.80	5.22	5.21	5.21	5.21	5.21
Pakistan	10.59	13.50	14.59	14.74	15.42	16.14	16.93
Peru	12.25	16.36	21.30	23.57	26.10	28.92	32.08
Philippines	12.34	15.31	14.33	15.30	16.26	17.20	18.20
Poland	28.50	25.00	24.03	25.01	26.29	27.68	28.92
Portugal	6.12	6.11	6.05	6.40	6.67	7.16	7.88
Romania	20.07	11.18	8.26	9.20	9.68	10.61	11.55
Russian Federation	119.99	60.39	54.50	57.51	59.59	61.14	62.53
Saudi Arabia	8.51	8.33	9.87	11.22	12.76	14.51	16.49
Senegal	4.78	5.73	6.39	6.48	6.59	6.75	7.02
Singapore	0.16	0.77	0.90	1.00	1.12	1.20	1.29
Slovak Republic	6.07	4.20	3.83	5.01	5.70	5.73	5.64
Slovenia	1.51	1.45	1.54	1.57	1.60	1.63	1.67
South Africa	23.84	20.79	21.93	23.05	24.24	25.50	26.87
South Korea	13.20	14.45	15.41	16.86	18.47	19.73	21.11
Spain	24.33	22.94	27.77	28.85	28.92	29.04	29.16
Sweden	8.90	8.70	8.26	8.19	8.38	8.52	8.65
Switzerland	3.36	3.25	3.19	3.00	2.94	2.85	2.75
Tajikistan	0.49	0.42	0.40	0.41	0.41	0.43	0.44
Thailand	18.10	20.13	23.20	24.30	25.60	26.42	27.27
Turkey	45.97	41.78	40.62	46.31	53.02	60.84	70.05
Turkmenistan	0.66	0.58	0.58	0.60	0.63	0.66	0.69
Uganda	10.16	9.80	12.82	14.85	17.27	20.13	23.62
Ukraine	45.34	30.85	22.66	27.01	30.30	35.77	41.24
United Arab Emirates	0.10	0.12	0.14	0.15	0.17	0.20	0.23
United Kingdom	67.93	57.12	44.89	45.70	45.87	41.84	37.81
United States	376.40	385.07	395.60	375.84	379.57	388.36	399.39
Uruguay	10.62	8.13	14.38	16.10	18.03	20.18	22.59
Uzbekistan	11.32	10.66	13.48	14.19	14.97	15.86	16.91
Venezuela	27.72	23.56	22.54	24.48	26.65	29.06	31.76
Viet Nam	10.09	11.26	11.85	12.55	13.25	15.10	16.96
Rest of Africa	215.41	234.89	308.78	338.49	372.88	411.40	454.93
Rest of China/CPA	3.21	3.96	3.91	4.86	5.31	5.78	6.40
Rest of Latin America	40.72	41.37	42.51	44.86	49.27	54.31	59.92
Rest of Middle East	13.13	14.39	16.32	17.70	19.88	22.35	25.13
Rest of Non-EU Eastern Europe	9.53	9.48	8.39	7.87	8.57	9.34	10.11
Rest of Non-EU FSU	5.83	3.90	3.14	2.66	2.86	3.03	3.14
Rest of OECD90 & EU	0.57	0.43	0.44	0.44	0.49	0.55	0.62
Rest of SE Asia	38.95	43.02	36.89	38.92	42.28	45.86	49.90
Africa	330.12	352.34	463.08	507.68	559.36	617.91	685.05
China/CPA	560.06	663.66	687.40	730.23	775.21	823.49	874.22
Latin America	393.08	405.46	498.97	549.77	610.60	681.59	766.14
Middle East	43.75	46.27	53.15	61.58	71.23	82.61	96.05
Non-EU Eastern Europe	13.79	12.91	12.56	13.14	14.62	16.45	18.00
Non-EU FSU	224.60	131.93	113.03	121.26	128.23	137.01	145.81
OECD90 & EU	1,073.63	1,041.23	999.86	997.86	1,029.95	1,055.14	1,096.70
SE Asia	232.26	261.05	285.72	304.11	325.69	349.82	375.86
World Totals	2,871.28	2,914.86	3,113.76	3,285.63	3,514.88	3,764.03	4,057.84

Regional country groupings are defined in Table 1-4 and Appendix H.