

# Appendix 2

## Greenhouse Gas Inventories for England, Scotland, Wales, N Ireland: Emission Tables

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**Notes on Summary Tables**

- 1) Within this appendix, National Communication (NC) format sector tables are included for each country for the base year, 1990, 1995 and 2003 to latest year (2009). IPCC sectors within each NC sector are included.
- 2) The following terms are used in inventory reporting: IE - Included Elsewhere; NE - Not Estimated; NA - Not Applicable; NO - Not Occurring
- 3) Emissions from the offshore oil & gas exploration and production sector are “unallocated”, i.e. not reported within the inventory tables for England, Scotland, Wales and Northern Ireland, but are included within the UK inventory totals.
- 4) Carbon dioxide emissions from many sources can be of biogenic or non-biogenic origin; the UK and DA GHG inventories only report emissions of non-biogenic origin.

**Table A2.1.1 Sectoral Report for Energy Supply (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY (%)
		(kt CO <sub>2</sub> e)										
<b>IPCC</b>	<b>Energy Supply</b>	<b>211,416</b>	<b>211,416</b>	<b>167,633</b>	<b>167,104</b>	<b>164,380</b>	<b>165,866</b>	<b>165,941</b>	<b>167,008</b>	<b>159,663</b>	<b>141,141</b>	<b>-33.2%</b>
1A1a	Power Stations (including FGD)	173,271	173,271	133,896	141,333	140,363	141,843	144,435	147,097	139,758	122,917	-29.1%
1A1b	Refineries	11,369	11,369	12,885	12,790	11,755	12,840	11,058	10,610	10,633	9,549	-16.0%
1A1c	Natural Gas Production (combustion)	437	437	591	2,063	1,839	1,833	1,449	1,288	1,363	1,106	153.1%
1A1c	Oil Production (combustion)	301	301	418	552	574	536	358	421	367	381	26.4%
1A1c	Coal Production (combustion)	455	455	164	197	182	167	161	156	130	133	-70.6%
1A1c	Other fuel production (combustion)	1,257	1,257	1,066	855	763	735	870	977	991	854	-32.0%
1B1a	Coal mining and supply (process and fugitive)	16,089	16,089	11,121	4,494	3,913	2,963	2,891	1,838	1,971	1,796	-88.8%
1B1b	Other fuel production and supply (process and fugitive)	695	695	195	111	165	110	133	190	229	150	-78.4%
1B2a	Oil production and supply (process and fugitive)	96	96	168	50	42	38	39	44	34	26	-73.1%
1B2b	Natural Gas production, transmission and distribution (process and fugitive)	7,159	7,159	6,873	4,485	4,514	4,481	4,254	4,132	3,930	3,785	-47.1%
1B2c	Natural Gas Production (flaring and venting)	54	54	44	67	161	150	179	144	140	331	507.7%
1B2c	Oil Production (flaring and venting)	233	233	212	108	110	168	114	110	116	112	-51.8%

**Table A2.1.2 Sectoral Report for Business (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY (%)
		(kt CO <sub>2</sub> e)										
IPCC	Business	87,194	86,088	83,406	83,707	81,730	82,547	79,967	78,721	77,875	69,311	-20.5%
1A2A	Iron and steel - combustion	12,026	12,026	12,361	10,609	10,433	10,340	10,933	11,042	10,615	9,034	-24.9%
1A2f	Other industrial combustion	63,127	63,127	57,443	56,468	54,489	54,783	52,500	51,382	50,630	44,683	-29.2%
1A4a	Commercial and institutional	10,109	10,109	11,671	10,885	10,537	10,691	9,598	9,091	9,233	8,036	-20.5%
2B5	Energy recovery from waste fuels	254	254	254	257	257	257	251	254	251	276	8.6%
2F1	Refrigeration and air conditioning	759	-	759	4,387	4,808	5,231	5,554	5,842	6,076	6,280	727.6%
2F2	Foams	-	-	-	201	247	206	215	222	229	241	-
2F3	Firefighting	3	-	3	215	190	164	165	166	168	169	5749.3%
2F5	Solvents	-	-	-	18	28	38	49	59	69	80	-
2F9	One Component Foams	158	19	158	177	261	361	239	200	143	51	-67.8%
2F9	Electronics, electrical insulation and sporting goods	758	553	758	490	479	476	463	462	462	461	-39.2%

**Table A2.1.3 Sectoral Report for Transport (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Transport	101,542	101,542	101,886	106,924	107,937	108,266	108,324	109,018	104,956	100,433	-1.1%
1A3a	Civil aviation (Domestic, Landing and take off)	292	292	286	431	463	506	465	409	379	326	11.5%
1A3a	Civil aviation (Domestic, Cruise)	506	506	495	827	870	974	940	884	845	759	49.9%
1A3b	Passenger cars	60,976	60,976	61,450	64,089	64,270	63,518	62,940	62,357	60,379	58,592	-3.9%
1A3b	Light duty vehicles	7,987	7,987	8,976	11,843	12,400	12,672	13,072	13,564	13,180	12,788	60.1%
1A3b	Buses	3,140	3,140	3,360	4,263	4,352	4,499	4,462	4,458	4,409	4,339	38.2%
1A3b	HGVs	20,253	20,253	20,241	18,517	18,663	19,329	19,654	20,479	19,142	17,386	-14.2%
1A3b	Mopeds & motorcycles	558	558	375	606	560	591	561	601	545	553	-0.8%
1A3b	LPG emissions (all vehicles)	-	-	-	252	271	291	304	287	299	257	-
1A3b	Other (road vehicle engines)	221	221	220	182	185	152	144	136	103	103	-53.5%
1A3c	Railways	1,271	1,271	1,235	1,573	1,638	1,673	1,675	1,705	1,711	1,730	36.1%
1A4a	Railways - stationary combustion	479	479	492	44	33	37	34	34	14	33	-93.1%
1A3d	National navigation	1,106	1,106	1,178	1,176	1,177	1,217	1,176	1,149	1,108	1,040	-6.0%
1A4c	Fishing vessels	11	11	13	9	10	10	9	10	9	9	-23.3%
1A5b	Military Aircraft and shipping	4,534	4,534	3,323	2,736	2,640	2,369	2,445	2,494	2,391	2,102	-53.6%
1A3e	Aircraft - support vehicles	208	208	241	376	405	429	442	452	442	417	100.5%

**Table A2.1.4 Sectoral Report for Public (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Public	11,403	11,403	11,410	8,700	9,430	9,291	8,401	7,812	7,823	6,845	-40.0%
1A4a	Public sector (combustion)	11,403	11,403	11,410	8,700	9,430	9,291	8,401	7,812	7,823	6,845	-40.0%

**Table A2.1.5 Sectoral Report for Residential (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Residential	63,303	62,979	65,077	72,845	74,255	71,098	68,686	65,778	67,113	63,063	-0.4%
1A4b	Residential combustion	61,948	61,948	63,594	69,397	70,772	67,293	64,879	62,130	63,396	59,426	-4.1%
2B5	Use of non aerosol consumer products	1,020	1,020	1,147	1,229	1,234	1,270	1,281	1,281	1,306	1,302	27.6%
6C	Accidental vehicle fires	1	1	1	1	1	1	1	1	1	1	-29.5%
2F4	Aerosols and metered dose inhalers	334	10	334	2,218	2,248	2,534	2,525	2,366	2,411	2,334	598.8%

**Table A2.1.6 Sectoral Report for Agriculture (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Agriculture</b>	<b>39,946</b>	<b>39,946</b>	<b>38,111</b>	<b>32,892</b>	<b>33,048</b>	<b>32,903</b>	<b>31,615</b>	<b>31,276</b>	<b>31,421</b>	<b>30,997</b>	<b>-22.4%</b>
1A4c	Stationary and mobile combustion	3,449	3,449	3,528	3,188	3,050	3,030	2,840	2,735	2,759	2,726	-21.0%
4A1	Cattle	8,236	8,236	7,949	6,626	6,684	6,860	6,635	6,770	6,607	6,565	-20.3%
4A3	Sheep	1,990	1,990	1,922	1,554	1,577	1,494	1,537	1,481	1,494	1,427	-28.3%
4A4	Goats	8	8	6	8	8	9	9	8	9	9	19.9%
4A6	Horses	58	58	76	85	97	100	112	111	107	108	85.3%
4A8	Pigs	199	199	200	128	133	119	128	124	121	122	-38.6%
4A10	Deer	7	7	5	4	4	4	5	4	4	4	-35.2%
4B1	Cattle	1,378	1,378	1,309	1,078	1,075	1,136	1,088	1,082	1,050	1,037	-24.8%
4B3	Sheep	47	47	46	37	37	35	37	35	35	34	-28.3%
4B4	Goats	0	0	0	0	0	0	0	0	0	0	19.9%
4B6	Horses	5	5	6	7	8	8	9	9	8	8	85.3%
4B8	Pigs	935	935	940	604	628	562	601	585	571	574	-38.6%
4B9	Poultry	170	170	169	216	215	214	213	205	203	193	13.7%
4B10	Deer	0	0	0	0	0	0	0	0	0	0	-35.2%
4B12	Manure liquid systems	50	50	48	39	39	37	37	36	35	34	-32.0%
4B13	Manure solid storage and dry lot	1,176	1,176	1,149	876	890	847	852	868	846	840	-28.6%
4B14	Other manure management (N <sub>2</sub> O)	587	587	462	531	506	492	481	434	439	407	-30.7%
4D	Direct Soil Emission	21,302	21,302	20,265	17,878	18,063	17,921	16,998	16,755	17,098	16,876	-20.8%
4F	Field burning	316	316	-	-	-	-	-	-	-	-	-100.0%
2B5	Breakdown of pesticides	33	33	31	33	33	33	33	33	33	33	-0.4%

**Table A2.1.7 Sectoral Report for Industrial Processes (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Industrial Processes</b>	<b>50,614</b>	<b>48,773</b>	<b>40,427</b>	<b>16,013</b>	<b>15,428</b>	<b>14,596</b>	<b>13,063</b>	<b>14,190</b>	<b>12,944</b>	<b>8,411</b>	<b>-83.4%</b>
1A2a	Sinter production	1,353	1,353	1,577	1,338	1,392	1,442	1,311	1,501	1,317	990	-26.8%
2A1	Cement production	5,792	5,792	5,085	4,697	4,781	4,737	4,497	4,660	3,934	2,930	-49.4%
2A2	Lime production	1,192	1,192	1,215	901	815	793	688	736	627	627	-47.4%
2A3	Limestone and dolomite use	788	788	821	790	829	802	871	815	765	584	-25.9%
2A4	Soda ash production and use	140	140	128	114	137	156	159	167	175	149	6.3%
2A7	Fletton bricks	203	203	139	151	148	147	206	200	248	79	-61.0%
2B1	Ammonia production	1,322	1,322	1,353	1,163	1,262	1,120	849	1,209	1,108	801	-39.4%
2C1	Iron and steel production	1,031	1,031	911	912	981	1,257	1,036	1,380	1,707	562	-45.5%
2C3	Aluminium production	293	1,118	203	303	372	356	384	344	356	246	-15.8%
2B2	Nitric acid production	3,165	3,165	2,408	2,328	2,642	2,020	1,759	1,763	1,465	1,107	-65.0%
2B3	Adipic acid production	20,737	20,737	12,017	581	1,103	926	607	990	947	71	-99.7%
2B5	Other - Chemical industry	151	151	122	75	69	49	49	55	51	65	-57.2%
2E	Halocarbon production	14,051	11,385	14,051	2,037	535	553	478	230	138	116	-99.2%
2C4	Magnesium cover gas	396	396	396	625	362	238	169	140	107	85	-78.6%



**Table A2.1.8 Sectoral Report for LULUCF (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Land Use Change	5,919	5,919	5,402	3,213	2,747	2,398	2,218	2,000	1,755	1,691	-71.4%
5A1	Forest land remaining forest land	- 2,047	- 2,047	- 2,330	- 2,513	- 2,678	- 2,547	- 2,377	- 2,004	- 1,742	- 1,467	-28.3%
5A2	Forest land biomass burning	18	18	115	22	23	1	71	76	73	47	156.0%
5A2	Land converted to forest land	- 697	- 697	- 553	- 757	- 784	- 807	- 878	- 914	- 941	- 948	36.0%
5A2	Direct N <sub>2</sub> O emission from N fertilisation of forest land	0	0	1	1	1	1	1	0	0	0	5.5%
5B1	Liming of cropland	625	625	652	442	391	314	360	407	336	380	-39.3%
5B1	Cropland remaining cropland	1,125	1,125	941	692	670	648	626	604	582	560	-50.2%
5B2	Cropland biomass burning	1	1	1	2	2	0	2	2	2	2	306.0%
5B2	Land converted to cropland	5,480	5,480	5,430	4,899	4,805	4,714	4,631	4,552	4,478	4,406	-19.6%
5B2	Nitrous oxide from disturbance of cropland	306	306	303	277	271	266	261	257	252	248	-19.0%
5C	Grassland biomass burning	25	25	26	116	101	75	84	89	113	119	371.4%
5C1	Liming of grassland	348	348	373	183	185	189	180	145	167	214	-38.5%
5C2	Land converted to grassland	- 2,900	- 2,900	- 3,205	- 3,693	- 3,804	- 3,932	- 3,994	- 4,064	- 4,099	- 4,163	43.5%
5D1	Wetlands remaining wetland	232	232	326	254	188	193	178	137	96	96	-58.6%
5D2	Methane and nitrous oxide emissions from drainage of wetlands	-	-	-	-	-	-	-	-	-	-	-
5E	Settlements biomass burning	88	88	58	75	71	64	46	41	33	27	-68.8%
5E2	Land converted to settlements	3,839	3,839	3,586	3,283	3,239	3,196	3,129	3,086	3,035	2,994	-22.0%
5G	Harvested wood products	- 525	- 525	- 321	- 70	67	23	- 101	- 414	- 630	- 826	57.4%

**Table A2.1.9 Sectoral Report for Waste Management (England)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Waste Management</b>	<b>47,321</b>	<b>47,321</b>	<b>36,951</b>	<b>17,954</b>	<b>16,487</b>	<b>15,869</b>	<b>15,417</b>	<b>15,021</b>	<b>14,429</b>	<b>14,103</b>	<b>-70.2%</b>
6A1	Landfill	44,773	44,773	34,746	16,061	14,616	14,017	13,617	13,211	12,695	12,373	-72.4%
6B2	Waste-water handling	1,270	1,270	1,311	1,442	1,444	1,468	1,472	1,461	1,436	1,433	12.8%
6C	Waste Incineration	1,278	1,278	894	451	427	384	329	349	299	297	-76.7%

**Table A2.2.1 Sectoral Report for Energy Supply (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Energy Supply	22,239	22,239	26,373	23,434	21,637	20,514	24,352	21,071	19,640	18,211	-18.1%
1A1a	Power Stations (including FGD)	14,783	14,783	16,755	17,643	15,810	14,019	18,851	15,610	14,315	13,384	-9.5%
1A1b	Refineries	2,793	2,793	3,165	1,714	2,147	2,478	2,101	2,007	2,189	2,059	-26.3%
1A1c	Natural Gas Production (combustion)	683	683	1,176	1,818	1,581	1,692	1,434	1,423	1,318	960	40.6%
1A1c	Oil Production (combustion)	838	838	1,604	696	649	682	608	679	675	667	-20.4%
1A1c	Coal Production (combustion)	15	15	9	-	-	-	-	-	-	-	-100.0%
1A1c	Other fuel production (combustion)	262	262	0	-	-0	0	-	-	-	0	-100.0%
1B1a	Coal mining and supply (process and fugitive)	656	656	649	217	259	295	236	231	237	308	-53.0%
1B1b	Other fuel production and supply (process and fugitive)	18	18	-	-	-	-	-	-	-	-	-100.0%
1B2a	Oil production and supply (process and fugitive)	134	134	425	51	52	40	15	15	11	11	-91.5%
1B2b	Natural Gas production, transmission and distribution (process and fugitive)	883	883	1,830	978	827	950	812	705	548	458	-48.1%
1B2c	Natural Gas Production (flaring and venting)	138	138	102	53	51	66	68	76	66	51	-62.8%
1B2c	Oil Production (flaring and venting)	1,037	1,037	658	263	260	293	228	324	282	311	-70.0%

**Table A2.2.2 Sectoral Report for Business (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Business</b>	<b>10,594</b>	<b>10,459</b>	<b>7,458</b>	<b>7,639</b>	<b>7,486</b>	<b>7,908</b>	<b>7,683</b>	<b>7,355</b>	<b>7,173</b>	<b>6,359</b>	<b>-40.0%</b>
1A2A	Iron and steel - combustion	2,821	2,821	184	55	59	57	64	66	74	38	-98.7%
1A2f	Other industrial combustion	6,567	6,567	6,137	5,980	5,834	6,238	6,080	5,763	5,540	4,844	-26.2%
1A4a	Commercial and institutional	1,006	1,006	936	978	922	905	813	775	786	687	-31.7%
2B5	Energy recovery from waste fuels	26	26	27	24	24	24	24	24	24	27	2.2%
2F1	Refrigeration and air conditioning	77	-	77	424	466	503	533	563	592	615	693.5%
2F2	Foams	-	-	-	20	25	21	22	22	23	24	-
2F3	Firefighting	0	-	0	22	19	17	17	17	17	17	5448.4%
2F5	Solvents	-	-	-	2	3	4	5	6	7	8	-
2F9	One Component Foams	17	2	17	18	26	36	24	20	14	5	-69.4%
2F9	Electronics, electrical insulation and sporting goods	80	37	80	116	107	103	101	99	96	94	17.5%

**Table A2.2.3 Sectoral Report for Transport (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY (%)
		(kt CO <sub>2</sub> e)										
<b>IPCC</b>	<b>Transport</b>	<b>10,563</b>	<b>10,563</b>	<b>10,568</b>	<b>11,160</b>	<b>11,236</b>	<b>11,331</b>	<b>11,462</b>	<b>11,599</b>	<b>11,222</b>	<b>10,742</b>	<b>1.7%</b>
1A3a	Civil aviation (Domestic, Landing and take off)	88	88	94	144	149	163	154	147	136	118	34.3%
1A3a	Civil aviation (Domestic, Cruise)	220	220	241	425	435	477	464	447	417	368	67.3%
1A3b	Passenger cars	5,812	5,812	5,823	6,010	6,025	5,928	5,972	5,913	5,742	5,587	-3.9%
1A3b	Light duty vehicles	794	794	892	1,203	1,246	1,277	1,334	1,404	1,378	1,342	69.1%
1A3b	Buses	432	432	445	586	564	583	577	599	613	610	41.2%
1A3b	HGVs	2,086	2,086	2,046	1,837	1,867	1,976	2,069	2,191	2,077	1,896	-9.1%
1A3b	Mopeds & motorcycles	31	31	22	39	37	37	36	39	37	38	23.6%
1A3b	LPG emissions (all vehicles)	-	-	-	33	35	38	40	37	39	33	-
1A3b	Other (road vehicle engines)	21	21	20	17	17	14	13	12	9	9	-55.2%
1A3c	Railways	160	160	155	188	196	202	201	204	196	206	29.3%
1A4a	Railways - stationary combustion	5	5	5	4	4	3	3	3	1	3	-37.3%
1A3d	National navigation	408	408	434	351	343	338	298	294	276	261	-36.0%
1A4c	Fishing vessels	4	4	5	3	3	3	2	2	2	2	-47.8%
1A5b	Military Aircraft and shipping	466	466	347	261	252	224	230	235	230	204	-56.3%
1A3e	Aircraft - support vehicles	36	36	39	59	63	67	70	71	68	64	76.3%

**Table A2.2.4 Sectoral Report for Public (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Public	1,330	1,330	1,170	909	1,031	1,071	965	890	898	790	-40.6%
1A4a	Public	1,330	1,330	1,170	909	1,031	1,071	965	890	898	790	-40.6%

**Table A2.2.5 Sectoral Report for Residential (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Residential	8,180	8,146	8,135	8,061	8,161	7,985	7,767	7,549	7,786	7,341	-10.3%
1A4b	Residential combustion	8,036	8,036	7,979	7,711	7,808	7,601	7,383	7,182	7,412	6,977	-13.2%
2B5	Use of non aerosol consumer products	109	109	121	125	125	128	129	129	131	131	20.1%
6C	Accidental vehicle fires	0	0	0	0	0	0	0	0	0	0	-33.7%
2F4	Aerosols and metered dose inhalers	35	1	35	225	228	256	255	238	242	234	562.8%

**Table A2.2.6 Sectoral Report for Agriculture (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Agriculture</b>	<b>10,102</b>	<b>10,102</b>	<b>9,724</b>	<b>8,758</b>	<b>8,606</b>	<b>8,512</b>	<b>8,326</b>	<b>8,068</b>	<b>7,863</b>	<b>7,860</b>	<b>-22.2%</b>
1A4c	Stationary and mobile combustion	1,005	1,005	1,032	923	878	886	830	799	794	794	-21.0%
4A1	Cattle	2,118	2,118	2,117	1,992	2,007	2,072	2,033	2,011	1,960	1,918	-9.5%
4A3	Sheep	991	991	953	816	819	797	770	750	712	691	-30.2%
4A4	Goats	2	2	1	1	1	0	0	0	0	1	-76.3%
4A6	Horses	5	5	8	10	10	11	12	12	12	13	142.4%
4A8	Pigs	14	14	18	15	15	15	15	14	14	12	-12.3%
4A10	Deer	2	2	1	1	1	1	1	1	1	1	-21.8%
4B1	Cattle	267	267	262	244	245	262	256	255	248	243	-8.9%
4B3	Sheep	24	24	23	19	19	19	18	18	17	16	-30.2%
4B4	Goats	0	0	0	0	0	0	0	0	0	0	-76.3%
4B6	Horses	0	0	1	1	1	1	1	1	1	1	142.4%
4B8	Pigs	67	67	83	73	70	70	69	68	65	59	-12.3%
4B9	Poultry	24	24	25	24	26	24	22	23	23	22	-10.3%
4B10	Deer	0	0	0	0	0	0	0	0	0	0	-21.8%
4B12	Manure liquid systems	7	7	7	7	7	7	7	7	7	6	-10.4%
4B13	Manure solid storage and dry lot	272	272	282	266	265	266	262	255	249	240	-11.5%
4B14	Other manure management (N <sub>2</sub> O)	87	87	58	50	55	52	46	49	44	41	-53.1%
4D	Direct Soil Emission	5,189	5,189	4,853	4,314	4,184	4,028	3,981	3,801	3,714	3,798	-26.8%
4F	Field burning	24	24	-	-	-	-	-	-	-	-	-100.0%
2B5	Breakdown of pesticides	3	3	3	3	3	3	3	3	3	3	-6.2%

**Table A2.2.7 Sectoral Report for Industrial Processes (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Industrial Processes</b>	<b>1,824</b>	<b>1,882</b>	<b>560</b>	<b>612</b>	<b>623</b>	<b>537</b>	<b>547</b>	<b>531</b>	<b>513</b>	<b>398</b>	<b>-78.2%</b>
1A2a	Sinter production	349	349	-	-	-	-	-	-	-	-	-100.0%
2A1	Cement production	511	511	397	476	485	395	419	401	397	286	-44.1%
2A2	Lime production	-	-	-	-	-	-	-	-	-	-	-
2A3	Limestone and dolomite use	180	180	26	27	29	29	26	27	26	26	-85.3%
2A4	Soda ash production and use	24	24	21	19	21	23	22	23	23	21	-11.5%
2A7	Fletton bricks	-	-	-	-	-	-	-	-	-	-	-
2B1	Ammonia production	-	-	-	-	-	-	-	-	-	-	-
2C1	Iron and steel production	247	247	0	0	0	0	0	0	0	0	-99.9%
2C3	Aluminium production	111	169	104	72	73	67	62	59	53	53	-52.1%
2B2	Nitric acid production	394	394	-	-	-	-	-	-	-	-	-100.0%
2B3	Adipic acid production	-	-	-	-	-	-	-	-	-	-	-
2B5	Other - Chemical industry	9	9	12	18	14	24	18	20	14	11	23.3%
2E	Halocarbon production	-	-	-	-	-	-	-	-	-	-	-
2C4	Magnesium cover gas	-	-	-	-	-	-	-	-	-	-	-



**Table A2.2.8 Sectoral Report for LULUCF (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Land Use Change</b>	<b>-2,082</b>	<b>-2,082</b>	<b>-2,985</b>	<b>-4,422</b>	<b>-5,006</b>	<b>-5,198</b>	<b>-5,209</b>	<b>-5,352</b>	<b>-5,570</b>	<b>-5,658</b>	<b>171.8%</b>
5A1	Forest land remaining forest land	-3,109	-3,109	-4,933	-6,987	-7,442	-7,232	-6,995	-6,727	-6,766	-6,552	110.7%
5A2	Forest land biomass burning	14	14	97	22	23	1	72	79	77	50	261.8%
5A2	Land converted to forest land	-4,416	-4,416	-3,946	-3,025	-2,974	-2,857	-2,741	-2,584	-2,391	-2,161	-51.1%
5A2	Direct N <sub>2</sub> O emission from N fertilisation of forest land	5	5	2	2	2	1	1	1	1	1	-86.9%
5B1	Liming of cropland	138	138	139	95	83	88	95	123	93	112	-19.0%
5B1	Cropland remaining cropland	-79	-79	-79	-79	-79	-79	-79	-79	-79	-79	0.0%
5B2	Cropland biomass burning	0	0	1	2	2	0	2	2	2	2	473.7%
5B2	Land converted to cropland	6,054	6,054	6,360	5,960	5,832	5,710	5,594	5,483	5,378	5,279	-12.8%
5B2	Nitrous oxide from disturbance of cropland	344	344	361	339	332	325	318	312	306	301	-12.6%
5C	Grassland biomass burning	8	8	9	38	33	24	27	29	37	39	364.2%
5C1	Liming of grassland	137	137	161	88	51	25	41	77	42	61	-55.4%
5C2	Land converted to grassland	-2,262	-2,262	-2,444	-2,726	-2,782	-2,843	-2,882	-2,925	-2,956	-2,997	32.5%
5D1	Wetlands remaining wetland	63	63	137	154	71	116	147	47	52	51	-18.4%
5D2	Methane and nitrous oxide emissions from drainage of wetlands	1	1	0	0	0	0	0	0	0	0	-53.3%
5E	Settlements biomass burning	27	27	18	23	22	20	14	13	10	9	-68.8%
5E2	Land converted to settlements	1,759	1,759	1,731	1,651	1,633	1,616	1,591	1,575	1,555	1,540	-12.5%
5G	Harvested wood products	-766	-766	-599	20	187	-113	-417	-779	-931	-1,313	71.5%

**Table A2.2.9 Sectoral Report for Waste Management (Scotland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Waste Management</b>	<b>6,476</b>	<b>6,476</b>	<b>5,055</b>	<b>2,339</b>	<b>2,236</b>	<b>2,177</b>	<b>2,239</b>	<b>2,203</b>	<b>2,236</b>	<b>2,074</b>	<b>-68.0%</b>
6A1	Landfill	6,291	6,291	4,882	2,172	2,072	2,014	2,078	2,042	2,078	1,917	-69.5%
6B2	Waste-water handling	135	135	139	146	146	148	148	147	144	144	6.2%
6C	Waste Incineration	50	50	35	20	18	15	12	13	13	13	-74.1%

**Table A2.3.1 Sectoral Report for Energy Supply (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY (%)
		(kt CO <sub>2</sub> e)										
<b>IPCC</b>	<b>Energy Supply</b>	<b>17,467</b>	<b>17,467</b>	<b>12,765</b>	<b>15,090</b>	<b>17,803</b>	<b>17,498</b>	<b>18,382</b>	<b>15,938</b>	<b>19,011</b>	<b>16,082</b>	<b>-7.9%</b>
1A1a	Power Stations (including FGD)	11,264	11,264	6,971	10,795	13,295	12,683	13,923	11,322	14,663	11,266	0.0%
1A1b	Refineries	3,478	3,478	3,942	3,000	3,209	3,446	3,156	3,284	3,104	3,337	-4.1%
1A1c	Natural Gas Production (combustion)	2	2	1	94	84	86	74	63	52	145	6679.8%
1A1c	Oil Production (combustion)	-	-	-	-	-	-	-	-	-	-	-
1A1c	Coal Production (combustion)	32	32	6	8	7	10	9	5	2	2	-94.4%
1A1c	Other fuel production (combustion)	662	662	674	231	180	191	312	377	373	306	-53.8%
1B1a	Coal mining and supply (process and fugitive)	1,526	1,526	809	735	749	821	651	571	575	756	-50.4%
1B1b	Other fuel production and supply (process and fugitive)	165	165	45	12	16	12	17	18	18	7	-95.7%
1B2a	Oil production and supply (process and fugitive)	0	0	0	-	-	-	-	-	-	-	-100.0%
1B2b	Natural Gas production, transmission and distribution (process and fugitive)	339	339	318	213	261	248	238	298	222	262	-22.9%
1B2c	Natural Gas Production (flaring and venting)	-	-	-	1	2	0	1	1	1	1	-
1B2c	Oil Production (flaring and venting)	-	-	-	-	-	-	-	-	-	-	-

**Table A2.3.2 Sectoral Report for Business (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY (%)
		(kt CO <sub>2</sub> e)										
<b>IPCC</b>	<b>Business</b>	<b>13,279</b>	<b>13,224</b>	<b>14,377</b>	<b>10,408</b>	<b>11,051</b>	<b>10,309</b>	<b>10,848</b>	<b>10,568</b>	<b>10,060</b>	<b>8,081</b>	<b>-39.1%</b>
1A2A	Iron and steel - combustion	7,107	7,107	9,627	5,683	5,960	5,604	6,188	6,094	5,740	4,195	-41.0%
1A2f	Other industrial combustion	5,488	5,488	4,023	3,959	4,331	3,903	3,904	3,733	3,563	3,173	-42.2%
1A4a	Commercial and institutional	568	568	611	477	458	464	414	393	401	352	-38.1%
2B5	Energy recovery from waste fuels	13	13	12	12	12	12	11	11	11	12	-8.0%
2F1	Refrigeration and air conditioning	37	-	37	202	209	243	256	263	273	282	659.3%
2F2	Foams	-	-	-	12	15	12	13	13	13	14	-
2F3	Firefighting	0	-	0	13	11	10	10	10	10	10	5566.9%
2F5	Solvents	-	-	-	1	2	2	3	3	4	5	-
2F9	One Component Foams	9	1	9	10	15	21	14	12	8	3	-68.8%
2F9	Electronics, electrical insulation and sporting goods	56	46	56	40	38	38	37	37	37	36	-34.5%

**Table A2.3.3 Sectoral Report for Transport (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Transport</b>	<b>6,150</b>	<b>6,150</b>	<b>6,138</b>	<b>6,416</b>	<b>6,541</b>	<b>6,532</b>	<b>6,570</b>	<b>6,638</b>	<b>6,446</b>	<b>6,164</b>	<b>0.2%</b>
1A3a	Civil aviation (Domestic, Landing and take off)	5	5	4	8	8	10	10	10	9	7	52.8%
1A3a	Civil aviation (Domestic, Cruise)	1	1	3	12	10	9	11	12	13	12	786.0%
1A3b	Passenger cars	3,729	3,729	3,743	3,943	3,998	3,923	3,939	3,918	3,798	3,654	-2.0%
1A3b	Light duty vehicles	515	515	579	785	822	841	868	897	886	864	67.7%
1A3b	Buses	199	199	199	253	252	261	265	264	267	264	32.6%
1A3b	HGVs	1,112	1,112	1,089	896	908	953	960	1,023	968	880	-20.9%
1A3b	Mopeds & motorcycles	26	26	18	30	28	30	29	31	29	30	15.1%
1A3b	LPG emissions (all vehicles)	-	-	-	25	26	28	30	28	29	25	-
1A3b	Other (road vehicle engines)	13	13	13	11	11	9	8	8	6	6	-55.6%
1A3c	Railways	133	133	122	152	161	168	167	169	171	162	21.9%
1A4a	Railways - stationary combustion	4	4	4	4	3	3	3	3	1	3	-16.7%
1A3d	National navigation	184	184	196	167	187	184	166	163	160	164	-10.9%
1A4c	Fishing vessels	2	2	2	1	2	2	1	1	1	1	-27.2%
1A5b	Military Aircraft and shipping	225	225	163	124	120	106	108	106	101	88	-60.7%
1A3e	Aircraft - support vehicles	3	3	3	5	6	5	5	5	5	5	57.1%

**Table A2.3.4 Sectoral Report for Public (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Public	813	813	738	448	499	515	457	420	422	371	-54.3%
1A4a	Public	813	813	738	448	499	515	457	420	422	371	-54.3%

**Table A2.3.5 Sectoral Report for Residential (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Residential	4,981	4,962	5,120	5,096	5,185	4,855	4,795	4,525	4,694	4,427	-11.1%
1A4b	Residential combustion	4,900	4,900	5,031	4,893	4,980	4,631	4,573	4,312	4,478	4,216	-14.0%
2B5	Use of non aerosol consumer products	61	61	69	72	73	75	75	75	76	75	23.2%
6C	Accidental vehicle fires	0	0	0	0	0	0	0	0	0	0	-32.0%
2F4	Aerosols and metered dose inhalers	20	1	20	131	132	149	148	138	140	135	577.0%

**Table A2.3.6 Sectoral Report for Agriculture (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Agriculture</b>	<b>6,965</b>	<b>6,965</b>	<b>6,983</b>	<b>6,303</b>	<b>6,198</b>	<b>6,325</b>	<b>5,966</b>	<b>5,680</b>	<b>5,376</b>	<b>5,322</b>	<b>-23.6%</b>
1A4c	Stationary and mobile combustion	695	695	712	638	608	607	570	550	549	545	-21.6%
4A1	Cattle	1,538	1,538	1,519	1,453	1,475	1,521	1,465	1,382	1,352	1,332	-13.4%
4A3	Sheep	1,092	1,092	1,133	1,020	1,006	967	959	922	860	824	-24.5%
4A4	Goats	1	1	1	1	1	1	1	1	1	1	-44.4%
4A6	Horses	10	10	13	15	14	16	19	17	16	17	70.3%
4A8	Pigs	3	3	3	2	1	1	1	1	1	1	-77.9%
4A10	Deer	0	0	0	0	0	0	0	0	0	0	-60.1%
4B1	Cattle	241	241	233	220	225	240	230	212	207	203	-15.7%
4B3	Sheep	26	26	27	24	24	23	23	22	20	20	-24.5%
4B4	Goats	0	0	0	0	0	0	0	0	0	0	-44.4%
4B6	Horses	1	1	1	1	1	1	1	1	1	1	70.3%
4B8	Pigs	15	15	13	7	5	4	4	4	3	3	-77.9%
4B9	Poultry	12	12	11	17	14	12	10	12	12	12	-2.0%
4B10	Deer	0	0	0	0	0	0	0	0	0	0	-60.1%
4B12	Manure liquid systems	7	7	6	6	6	6	6	6	6	6	-16.1%
4B13	Manure solid storage and dry lot	160	160	159	154	153	149	146	140	137	134	-16.3%
4B14	Other manure management (N <sub>2</sub> O)	46	46	32	41	31	27	22	43	22	21	-54.9%
4D	Direct Soil Emission	3,113	3,113	3,117	2,702	2,631	2,749	2,509	2,366	2,189	2,201	-29.3%
4F	Field burning	3	3	-	-	-	-	-	-	-	-	-100.0%
2B5	Breakdown of pesticides	2	2	2	2	2	1	1	1	1	1	-15.6%

**Table A2.3.7 Sectoral Report for Industrial Processes (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Industrial Processes</b>	<b>2,708</b>	<b>2,871</b>	<b>3,046</b>	<b>2,491</b>	<b>2,566</b>	<b>2,442</b>	<b>2,476</b>	<b>2,657</b>	<b>2,509</b>	<b>1,399</b>	<b>-48.4%</b>
1A2a	Sinter production	797	797	1,051	926	888	835	741	723	601	416	-47.8%
2A1	Cement production	576	576	464	491	501	414	567	591	495	348	-39.6%
2A2	Lime production	-	-	-	-	-	-	-	-	-	-	-
2A3	Limestone and dolomite use	350	350	457	321	331	306	355	341	305	218	-37.7%
2A4	Soda ash production and use	3	3	3	11	12	5	5	4	4	5	65.8%
2A7	Fletton bricks	-	-	-	-	-	-	-	-	-	-	-
2B1	Ammonia production	-	-	-	-	-	-	-	-	-	-	-
2C1	Iron and steel production	609	609	683	427	541	657	557	744	883	252	-58.6%
2C3	Aluminium production	333	496	349	264	263	206	238	242	212	152	-54.4%
2B2	Nitric acid production	-	-	-	-	-	-	-	-	-	-	-
2B3	Adipic acid production	-	-	-	-	-	-	-	-	-	-	-
2B5	Other - Chemical industry	10	10	9	3	3	1	1	1	1	1	-91.3%
2E	Halocarbon production	-	-	-	-	-	-	-	-	-	-	-
2C4	Magnesium cover gas	30	30	30	47	27	18	13	11	8	6	-78.6%



**Table A2.3.8 Sectoral Report for LULUCF (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Land Use Change</b>	<b>-41</b>	<b>-41</b>	<b>17</b>	<b>-139</b>	<b>-177</b>	<b>-194</b>	<b>-203</b>	<b>-236</b>	<b>-253</b>	<b>-258</b>	<b>523.2%</b>
5A1	Forest land remaining forest land	-725	-725	-1,140	-1,385	-1,420	-1,359	-1,350	-1,295	-1,192	-1,094	50.9%
5A2	Forest land biomass burning	4	4	28	6	6	0	20	22	21	13	208.8%
5A2	Land converted to forest land	-454	-454	-299	-171	-160	-143	-145	-141	-135	-121	-73.3%
5A2	Direct N <sub>2</sub> O emission from N fertilisation of forest land	0	0	0	0	0	0	0	0	0	0	-49.3%
5B1	Liming of cropland	11	11	11	8	7	5	6	7	6	7	-32.0%
5B1	Cropland remaining cropland	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	0.0%
5B2	Cropland biomass burning	0	0	0	1	0	0	0	0	1	1	389.6%
5B2	Land converted to cropland	1,097	1,097	1,153	1,089	1,070	1,051	1,034	1,017	1,001	986	-10.1%
5B2	Nitrous oxide from disturbance of cropland	61	61	64	61	60	59	58	57	56	55	-9.1%
5C	Grassland biomass burning	2	2	2	8	7	5	6	6	8	8	364.2%
5C1	Liming of grassland	90	90	101	53	51	54	51	36	44	55	-38.9%
5C2	Land converted to grassland	-546	-546	-622	-682	-689	-697	-701	-705	-706	-710	30.0%
5D1	Wetlands remaining wetland	0	0	0	0	0	0	0	0	0	0	0.0%
5D2	Methane and nitrous oxide emissions from drainage of wetlands	-	-	-	-	-	-	-	-	-	-	-
5E	Settlements biomass burning	6	6	4	5	5	4	3	3	2	2	-68.8%
5E2	Land converted to settlements	771	771	773	737	727	717	706	697	688	680	-11.8%
5G	Harvested wood products	-347	-347	-49	142	170	120	120	70	-36	-130	-62.6%

**Table A2.3.9 Sectoral Report for Waste Management (Wales)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Waste Management</b>	<b>3,249</b>	<b>3,249</b>	<b>2,549</b>	<b>1,254</b>	<b>1,217</b>	<b>1,187</b>	<b>1,110</b>	<b>1,087</b>	<b>1,046</b>	<b>1,014</b>	<b>-68.8%</b>
6A1	Landfill	3,122	3,122	2,423	1,148	1,113	1,089	1,015	992	953	922	-70.5%
6B2	Waste-water handling	76	76	78	85	85	86	86	85	84	83	8.9%
6C	Waste Incineration	51	51	47	21	19	11	9	10	9	9	-82.2%

**Table A2.4.1 Sectoral Report for Energy Supply (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Energy Supply</b>	<b>5,315</b>	<b>5,315</b>	<b>6,541</b>	<b>4,964</b>	<b>4,846</b>	<b>5,356</b>	<b>5,749</b>	<b>4,662</b>	<b>4,844</b>	<b>3,671</b>	<b>-30.9%</b>
1A1a	Power Stations (including FGD)	5,315	5,315	6,541	4,964	4,846	5,356	5,749	4,661	4,844	3,671	-30.9%
1A1b	Refineries	-	-	-	-	-	-	-	-	-	-	-
1A1c	Natural Gas Production (combustion)	-	-	-	-	-	-	-	-	-	-	-
1A1c	Oil Production (combustion)	-	-	-	-	-	-	-	-	-	-	-
1A1c	Coal Production (combustion)	-	-	-	-	-	-	-	-	-	-	-
1A1c	Other fuel production (combustion)	-	-	-	-	-	-	-	-	-	-	-
1B1a	Coal mining and supply (process and fugitive)	-	-	-	-	-	-	-	-	-	-	-
1B1b	Other fuel production and supply (process and fugitive)	-	-	-	-	-	-	-	-	-	-	-
1B2a	Oil production and supply (process and fugitive)	-	-	-	-	-	-	-	-	-	-	-
1B2b	Natural Gas production, transmission and distribution (process and fugitive)	-	-	-	0	0	0	0	0	0	0	-
1B2c	Natural Gas Production (flaring and venting)	-	-	-	-	-	-	-	-	-	-	-
1B2c	Oil Production (flaring and venting)	-	-	-	-	-	-	-	-	-	-	-

**Table A2.4.2 Sectoral Report for Business (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY (%)
		(kt CO <sub>2</sub> e)										
IPCC	Business	2,429	2,403	2,179	1,689	1,803	2,078	2,065	2,096	1,981	1,783	-26.6%
1A2A	Iron and steel - combustion	-	-	-	-	-	-	-	-	-	-	-
1A2f	Other industrial combustion	2,238	2,238	2,041	1,437	1,493	1,730	1,715	1,732	1,594	1,335	-40.4%
1A4a	Commercial and institutional	155	155	102	97	122	160	152	156	176	231	49.6%
2B5	Energy recovery from waste fuels	6	6	7	7	7	7	7	7	7	7	17.2%
2F1	Refrigeration and air conditioning	22	-	22	125	153	152	165	175	180	187	741.4%
2F2	Foams	-	-	-	7	8	7	7	8	8	8	-
2F3	Firefighting	0	-	0	7	7	6	6	6	6	6	5814.0%
2F5	Solvents	-	-	-	1	1	1	2	2	2	3	-
2F9	One Component Foams	5	1	5	6	9	12	8	7	5	2	-67.4%
2F9	Electronics, electrical insulation and sporting goods	2	3	2	3	3	4	4	4	4	4	108.8%

**Table A2.4.3 Sectoral Report for Transport (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Transport</b>	<b>3,330</b>	<b>3,330</b>	<b>3,552</b>	<b>4,319</b>	<b>4,319</b>	<b>4,379</b>	<b>4,391</b>	<b>4,495</b>	<b>4,340</b>	<b>4,258</b>	<b>27.9%</b>
1A3a	Civil aviation (Domestic, Landing and take off)	29	29	31	50	54	60	59	59	59	54	82.3%
1A3a	Civil aviation (Domestic, Cruise)	75	75	78	123	125	138	135	141	144	129	73.2%
1A3b	Passenger cars	2,325	2,325	2,491	2,801	2,906	2,902	2,874	2,927	2,784	2,838	22.1%
1A3b	Light duty vehicles	117	117	136	249	233	230	265	258	300	240	105.9%
1A3b	Buses	34	34	39	49	51	53	43	51	54	71	105.6%
1A3b	HGVs	516	516	561	831	732	780	801	836	783	728	41.1%
1A3b	Mopeds & motorcycles	11	11	7	18	16	18	15	17	15	15	36.2%
1A3b	LPG emissions (all vehicles)	-	-	-	4	4	4	5	4	5	4	-
1A3b	Other (road vehicle engines)	8	8	7	6	6	5	4	4	3	3	-56.2%
1A3c	Railways	27	27	31	33	35	37	37	47	49	44	58.7%
1A4a	Railways - stationary combustion	3	3	3	3	2	2	2	2	1	2	-32.4%
1A3d	National navigation	65	65	70	70	73	75	72	69	67	63	-3.1%
1A4c	Fishing vessels	1	1	1	1	1	1	1	1	1	1	-20.9%
1A5b	Military Aircraft and shipping	112	112	90	73	71	64	67	68	63	56	-50.0%
1A3e	Aircraft - support vehicles	7	7	7	9	10	11	11	12	12	10	51.2%

**Table A2.4.4 Sectoral Report for Public (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Public	523	523	347	126	141	165	170	171	206	198	-62.1%
1A4a	Public	523	523	347	126	141	165	170	171	206	198	-62.1%

**Table A2.4.5 Sectoral Report for Residential (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Residential	4,372	4,361	3,609	3,845	3,783	3,538	3,629	3,269	3,464	3,411	-22.0%
1A4b	Residential combustion	4,326	4,326	3,559	3,728	3,664	3,408	3,499	3,143	3,335	3,285	-24.1%
2B5	Use of non aerosol consumer products	34	34	39	42	42	43	44	44	45	45	31.8%
6C	Accidental vehicle fires	0	0	0	0	0	0	0	0	0	0	-27.2%
2F4	Aerosols and metered dose inhalers	11	0	11	76	77	87	87	81	83	81	606.5%

**Table A2.4.6 Sectoral Report for Agriculture (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Agriculture	5,807	5,807	5,873	5,714	5,581	5,540	5,455	5,336	5,238	5,195	-10.5%
1A4c	Stationary and mobile combustion	610	610	621	543	515	529	497	477	474	477	-21.8%
4A1	Cattle	1,731	1,731	1,824	1,844	1,847	1,915	1,879	1,896	1,869	1,842	6.5%
4A3	Sheep	281	281	273	226	225	212	205	199	194	186	-33.9%
4A4	Goats	1	1	0	0	0	0	0	0	0	0	-63.7%
4A6	Horses	3	3	4	4	3	4	4	4	4	5	58.6%
4A8	Pigs	22	22	20	14	13	13	12	13	13	14	-36.9%
4A10	Deer	0	0	0	1	-	1	0	0	0	1	305.5%
4B1	Cattle	247	247	255	265	266	288	282	283	280	277	12.2%
4B3	Sheep	7	7	6	5	5	5	5	5	5	4	-33.9%
4B4	Goats	0	0	0	0	0	0	0	0	0	0	-63.7%
4B6	Horses	0	0	0	0	0	0	0	0	0	0	58.6%
4B8	Pigs	102	102	94	64	63	60	57	61	60	64	-36.9%
4B9	Poultry	18	18	26	30	29	29	30	28	28	27	48.6%
4B10	Deer	0	0	0	0	-	0	0	0	0	0	305.5%
4B12	Manure liquid systems	7	7	8	8	8	8	8	8	8	8	6.1%
4B13	Manure solid storage and dry lot	227	227	233	217	215	208	204	207	204	202	-11.1%
4B14	Other manure management (N <sub>2</sub> O)	62	62	63	80	52	68	69	63	60	56	-9.4%
4D	Direct Soil Emission	2,487	2,487	2,442	2,412	2,337	2,199	2,201	2,090	2,038	2,031	-18.3%
4F	Field burning	2	2	-	-	-	-	-	-	-	-	-100.0%
2B5	Breakdown of pesticides	1	1	1	1	1	1	1	1	1	1	7.5%

**Table A2.4.7 Sectoral Report for Industrial Processes (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Industrial Processes</b>	<b>761</b>	<b>761</b>	<b>779</b>	<b>216</b>	<b>221</b>	<b>418</b>	<b>430</b>	<b>488</b>	<b>398</b>	<b>179</b>	<b>-76.5%</b>
1A2a	Sinter production	-	-	-	-	-	-	-	-	-	-	-
2A1	Cement production	416	416	338	205	209	396	409	465	377	157	-62.3%
2A2	Lime production	-	-	-	-	-	-	-	-	-	-	-
2A3	Limestone and dolomite use	0	0	0	7	7	13	12	12	11	12	
2A4	Soda ash production and use	0	0	0	5	5	10	10	10	10	10	
2A7	Fletton bricks	-	-	-	-	-	-	-	-	-	-	-
2B1	Ammonia production	-	-	-	-	-	-	-	-	-	-	-
2C1	Iron and steel production	-	-	-	-	-	-	-	-	-	-	-
2C3	Aluminium production	-	-	-	-	-	-	-	-	-	-	-
2B2	Nitric acid production	345	345	441	-	-	-	-	-	-	-	-100.0%
2B3	Adipic acid production	-	-	-	-	-	-	-	-	-	-	-
2B5	Other - Chemical industry	-	-	-	-	-	-	-	-	-	-	-
2E	Halocarbon production	-	-	-	-	-	-	-	-	-	-	-
2C4	Magnesium cover gas	-	-	-	-	-	-	-	-	-	-	-



**Table A2.4.8 Sectoral Report for LULUCF (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Land Use Change</b>	<b>80</b>	<b>80</b>	<b>-22</b>	<b>-57</b>	<b>-49</b>	<b>-32</b>	<b>-7</b>	<b>21</b>	<b>62</b>	<b>102</b>	<b>28.1%</b>
5A1	Forest land remaining forest land	-479	-479	-529	-508	-514	-457	-437	-368	-320	-310	-35.3%
5A2	Forest land biomass burning	15	15	2	0	15	12	1	9	6	3	-79.4%
5A2	Land converted to forest land	-276	-276	-187	-184	-196	-198	-179	-182	-178	-174	-36.8%
5A2	Direct N <sub>2</sub> O emission from N fertilisation of forest land	0	0	0	0	0	0	0	0	0	0	-74.1%
5B1	Liming of cropland	9	9	10	6	5	4	5	5	5	5	-43.8%
5B1	Cropland remaining cropland	-25	-25	-25	-25	-25	-25	-25	-25	-25	-25	0.0%
5B2	Cropland biomass burning	0	0	0	0	1	3	0	0	0	0	-67.4%
5B2	Land converted to cropland	1,269	1,269	1,219	1,131	1,119	1,108	1,097	1,086	1,077	1,067	-15.9%
5B2	Nitrous oxide from disturbance of cropland	71	71	56	38	37	35	33	32	31	29	-58.9%
5C	Grassland biomass burning	-	-	-	-	-	-	-	-	-	-	-
5C1	Liming of grassland	73	73	84	42	42	41	37	29	32	41	-43.2%
5C2	Land converted to grassland	-1,231	-1,231	-1,282	-1,307	-1,306	-1,306	-1,305	-1,304	-1,303	-1,302	5.7%
5D1	Wetlands remaining wetland	126	126	129	133	133	134	134	134	134	134	5.9%
5D2	Methane and nitrous oxide emissions from drainage of wetlands	3	3	3	1	1	1	1	0	0	0	-91.3%
5E	Settlements biomass burning	-	-	-	-	-	-	-	-	-	-	-
5E2	Land converted to settlements	568	568	569	679	704	727	749	770	790	810	42.6%
5G	Harvested wood products	-45	-45	-72	-64	-64	-111	-117	-166	-187	-177	293.1%

**Table A2.4.9 Sectoral Report for Waste Management (Northern Ireland)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Waste Management</b>	<b>1,868</b>	<b>1,868</b>	<b>1,461</b>	<b>715</b>	<b>689</b>	<b>693</b>	<b>689</b>	<b>693</b>	<b>694</b>	<b>711</b>	<b>-61.9%</b>
6A1	Landfill	1,816	1,816	1,410	659	634	638	634	638	640	657	-63.8%
6B2	Waste-water handling	42	42	45	49	49	50	50	50	50	49	16.4%
6C	Waste Incineration	9	9	7	7	6	5	4	4	4	4	-49.2%

**Table A2.5.1 Sectoral Report for Energy Supply (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY (%)
		(kt CO <sub>2</sub> e)										
IPCC	Energy Supply	271,606	271,606	233,251	229,810	227,783	227,666	230,839	225,754	218,840	194,669	-28.3%
1A1a	Power Stations (including FGD)	204,632	204,632	164,163	174,734	174,313	173,900	182,957	178,690	173,581	151,237	-26.1%
1A1b	Refineries	17,639	17,639	19,991	17,503	17,111	18,763	16,315	15,901	15,926	14,946	-15.3%
1A1c	Natural Gas Production (combustion)	4,028	4,028	5,774	7,084	6,779	6,604	4,961	5,356	5,259	4,766	18.3%
1A1c	Oil Production (combustion)	7,333	7,333	10,371	12,538	12,158	11,496	10,938	10,666	9,977	9,504	29.6%
1A1c	Coal Production (combustion)	502	502	179	205	189	178	170	161	132	135	-73.0%
1A1c	Other fuel production (combustion)	2,180	2,180	1,740	1,086	943	926	1,183	1,354	1,364	1,160	-46.8%
1B1a	Coal mining and supply (process and fugitive)	18,271	18,271	12,579	5,447	4,922	4,079	3,779	2,640	2,783	2,860	-84.3%
1B1b	Other fuel production and supply (process and fugitive)	877	877	240	123	181	123	150	208	247	157	-82.1%
1B2a	Oil production and supply (process and fugitive)	1,270	1,270	1,299	439	439	451	389	469	403	585	-53.9%
1B2b	Natural Gas production, transmission and distribution (process and fugitive)	9,507	9,507	10,080	5,808	5,736	5,774	5,368	5,203	4,759	4,608	-51.5%
1B2c	Natural Gas Production (flaring and venting)	710	710	664	411	447	477	458	553	539	731	3.0%
1B2c	Oil Production (flaring and venting)	4,657	4,657	6,172	4,431	4,566	4,895	4,172	4,552	3,872	3,978	-14.6%

**Table A2.5.2 Sectoral Report for Business (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Business</b>	<b>113,496</b>	<b>112,174</b>	<b>107,421</b>	<b>103,444</b>	<b>102,070</b>	<b>102,841</b>	<b>100,564</b>	<b>98,740</b>	<b>97,088</b>	<b>85,533</b>	<b>-24.6%</b>
1A2A	Iron and steel - combustion	21,955	21,955	22,173	16,347	16,452	16,001	17,185	17,203	16,428	13,267	-39.6%
1A2f	Other industrial combustion	77,421	77,421	69,645	67,845	66,147	66,653	64,200	62,609	61,327	54,036	-30.2%
1A4a	Commercial and institutional	11,837	11,837	13,320	12,436	12,039	12,219	10,977	10,415	10,596	9,306	-21.4%
2B5	Energy recovery from waste fuels	300	300	300	300	300	300	292	295	292	322	7.5%
2F1	Refrigeration and air conditioning	896	-	896	5,137	5,636	6,129	6,508	6,843	7,121	7,363	722.2%
2F2	Foams	-	-	-	240	295	246	256	265	273	288	-
2F3	Firefighting	3	-	3	257	227	196	197	198	200	202	5715.5%
2F5	Solvents	-	-	-	21	34	46	58	70	83	95	-
2F9	One Component Foams	190	23	190	211	312	431	286	239	171	61	-68.0%
2F9	Electronics, electrical insulation and sporting goods	895	639	895	649	628	620	605	602	598	595	-33.5%

**Table A2.5.3 Sectoral Report for Transport (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Transport</b>	<b>121,586</b>	<b>121,586</b>	<b>122,143</b>	<b>128,818</b>	<b>130,034</b>	<b>130,508</b>	<b>130,747</b>	<b>131,750</b>	<b>126,964</b>	<b>121,597</b>	<b>0.0%</b>
1A3a	Civil aviation (Domestic, Landing and take off)	414	414	415	634	674	740	688	624	583	504	21.8%
1A3a	Civil aviation (Domestic, Cruise)	802	802	817	1,386	1,440	1,598	1,550	1,484	1,419	1,268	58.1%
1A3b	Passenger cars	72,841	72,841	73,507	76,843	77,200	76,271	75,724	75,114	72,703	70,670	-3.0%
1A3b	Light duty vehicles	9,412	9,412	10,583	14,080	14,701	15,021	15,539	16,124	15,744	15,233	61.8%
1A3b	Buses	3,805	3,805	4,043	5,151	5,219	5,397	5,347	5,373	5,342	5,283	38.8%
1A3b	HGVs	23,967	23,967	23,937	22,081	22,170	23,039	23,484	24,529	22,971	20,891	-12.8%
1A3b	Mopeds & motorcycles	625	625	423	693	642	676	642	688	626	636	1.7%
1A3b	LPG emissions (all vehicles)	-	-	-	314	337	361	377	356	372	320	-
1A3b	Other (road vehicle engines)	263	263	260	215	219	179	170	161	122	121	-53.9%
1A3c	Railways	1,592	1,592	1,542	1,946	2,030	2,079	2,080	2,124	2,128	2,142	34.6%
1A4a	Railways - stationary combustion	490	490	504	55	43	45	42	42	17	41	-91.6%
1A3d	National navigation	1,764	1,764	1,878	1,764	1,779	1,813	1,713	1,674	1,611	1,528	-13.4%
1A4c	Fishing vessels	18	18	20	14	15	15	13	14	14	13	-29.3%
1A5b	Military Aircraft and shipping	5,337	5,337	3,924	3,193	3,083	2,763	2,849	2,903	2,785	2,450	-54.1%
1A3e	Aircraft - support vehicles	254	254	290	448	484	512	527	540	528	496	95.2%

**Table A2.5.4 Sectoral Report for Public (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Public	14,070	14,070	13,665	10,184	11,101	11,042	9,993	9,293	9,350	8,204	-41.7%
1A4a	Public	14,070	14,070	13,665	10,184	11,101	11,042	9,993	9,293	9,350	8,204	-41.7%

**Table A2.5.5 Sectoral Report for Residential (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Residential	80,837	80,448	81,941	89,847	91,384	87,477	84,877	81,120	83,057	78,242	-3.2%
1A4b	Residential combustion	79,210	79,210	80,163	85,729	87,223	82,934	80,333	76,767	78,621	73,904	-6.7%
2B5	Use of non aerosol consumer products	1,224	1,224	1,376	1,468	1,474	1,517	1,529	1,528	1,558	1,553	26.9%
6C	Accidental vehicle fires	1	1	2	2	1	1	1	1	1	1	-29.9%
2F4	Aerosols and metered dose inhalers	401	12	401	2,649	2,685	3,025	3,014	2,824	2,876	2,784	594.8%

**Table A2.5.6 Sectoral Report for Agriculture (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Agriculture</b>	<b>62,820</b>	<b>62,820</b>	<b>60,691</b>	<b>53,668</b>	<b>53,433</b>	<b>53,280</b>	<b>51,362</b>	<b>50,359</b>	<b>49,898</b>	<b>49,374</b>	<b>-21.4%</b>
1A4c	Stationary and mobile combustion	5,758	5,758	5,892	5,292	5,051	5,052	4,736	4,561	4,576	4,541	-21.1%
4A1	Cattle	13,623	13,623	13,409	11,915	12,013	12,368	12,013	12,059	11,787	11,657	-14.4%
4A3	Sheep	4,354	4,354	4,281	3,616	3,627	3,469	3,471	3,351	3,259	3,128	-28.1%
4A4	Goats	12	12	9	9	10	10	10	10	10	11	-10.6%
4A6	Horses	76	76	101	113	124	130	147	145	140	142	86.3%
4A8	Pigs	238	238	240	159	163	148	155	152	148	149	-37.4%
4A10	Deer	9	9	7	6	5	6	7	6	6	6	-26.8%
4B1	Cattle	2,133	2,133	2,059	1,807	1,812	1,926	1,856	1,833	1,786	1,760	-17.5%
4B3	Sheep	103	103	102	86	86	82	82	80	77	74	-28.1%
4B4	Goats	0	0	0	0	0	0	0	0	0	0	-10.6%
4B6	Horses	6	6	8	9	10	10	11	11	11	11	86.3%
4B8	Pigs	1,119	1,119	1,131	748	765	696	731	717	699	700	-37.4%
4B9	Poultry	224	224	231	287	284	279	275	268	265	253	13.1%
4B10	Deer	0	0	0	0	0	0	0	0	0	0	-26.8%
4B12	Manure liquid systems	72	72	70	60	60	58	58	56	55	54	-24.4%
4B13	Manure solid storage and dry lot	1,835	1,835	1,823	1,514	1,524	1,470	1,464	1,470	1,435	1,417	-22.8%
4B14	Other manure management (N <sub>2</sub> O)	782	782	615	701	645	639	617	589	566	525	-32.9%
4D	Direct Soil Emission	32,091	32,091	30,678	27,305	27,214	26,897	25,689	25,012	25,038	24,905	-22.4%
4F	Field burning	344	344	-	-	-	-	-	-	-	-	-100.0%
2B5	Breakdown of pesticides	39	39	37	39	39	39	39	39	39	39	-1.4%

**Table A2.5.7 Sectoral Report for Industrial Processes (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Industrial Processes</b>	<b>55,906</b>	<b>54,286</b>	<b>44,812</b>	<b>19,332</b>	<b>18,838</b>	<b>17,994</b>	<b>16,517</b>	<b>17,866</b>	<b>16,364</b>	<b>10,386</b>	<b>-81.4%</b>
1A2a	Sinter production	2,498	2,498	2,628	2,264	2,280	2,277	2,052	2,224	1,918	1,407	-43.7%
2A1	Cement production	7,295	7,295	6,285	5,868	5,977	5,941	5,893	6,117	5,203	3,720	-49.0%
2A2	Lime production	1,192	1,192	1,215	901	815	793	688	736	627	627	-47.4%
2A3	Limestone and dolomite use	1,317	1,317	1,304	1,144	1,196	1,150	1,264	1,194	1,108	840	-36.2%
2A4	Soda ash production and use	167	167	152	149	175	193	196	205	212	185	10.5%
2A7	Fletton bricks	203	203	139	151	148	147	206	200	248	79	-61.0%
2B1	Ammonia production	1,322	1,322	1,353	1,163	1,262	1,120	849	1,209	1,108	801	-39.4%
2C1	Iron and steel production	1,886	1,886	1,594	1,339	1,522	1,915	1,593	2,125	2,590	814	-56.8%
2C3	Aluminium production	737	1,783	655	639	707	629	683	645	621	451	-38.8%
2B2	Nitric acid production	3,904	3,904	2,849	2,328	2,642	2,020	1,759	1,763	1,465	1,107	-71.7%
2B3	Adipic acid production	20,737	20,737	12,017	581	1,103	926	607	990	947	71	-99.7%
2B5	Other - Chemical industry	169	169	144	96	86	74	67	76	66	76	-55.0%
2E	Halocarbon production	14,051	11,385	14,051	2,037	535	553	478	230	138	116	-99.2%
2C4	Magnesium cover gas	426	426	426	672	389	256	182	151	115	91	-78.6%



**Table A2.5.8 Sectoral Report for LULUCF (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
<b>IPCC</b>	<b>Land Use Change</b>	<b>3,876</b>	<b>3,876</b>	<b>2,412</b>	<b>-1,406</b>	<b>-2,486</b>	<b>-3,027</b>	<b>-3,201</b>	<b>-3,567</b>	<b>-4,005</b>	<b>-4,122</b>	<b>-206.3%</b>
5A1	Forest land remaining forest land	-6,360	-6,360	-8,931	-11,393	-12,054	-11,595	-11,159	-10,394	-10,020	-9,422	48.1%
5A2	Forest land biomass burning	52	52	243	50	67	14	163	186	177	114	120.4%
5A2	Land converted to forest land	-5,842	-5,842	-4,985	-4,137	-4,114	-4,005	-3,943	-3,821	-3,645	-3,404	-41.7%
5A2	Direct N <sub>2</sub> O emission from N fertilisation of forest land	5	5	3	3	2	2	2	2	1	1	-80.8%
5B1	Liming of cropland	783	783	811	550	485	411	465	542	439	504	-35.7%
5B1	Cropland remaining cropland	1,010	1,010	826	577	555	533	511	489	467	445	-55.9%
5B2	Cropland biomass burning	2	2	2	5	5	3	4	4	5	6	249.6%
5B2	Land converted to cropland	13,900	13,900	14,163	13,079	12,825	12,583	12,356	12,139	11,934	11,738	-15.6%
5B2	Nitrous oxide from disturbance of cropland	782	782	784	715	700	685	671	658	645	633	-19.0%
5C	Grassland biomass burning	35	35	37	162	141	105	117	124	157	166	369.3%
5C1	Liming of grassland	647	647	718	367	329	308	308	287	286	371	-42.7%
5C2	Land converted to grassland	-6,939	-6,939	-7,552	-8,408	-8,581	-8,777	-8,881	-8,997	-9,064	-9,171	32.2%
5D1	Wetlands remaining wetland	422	422	593	541	393	443	460	318	282	282	-33.2%
5D2	Methane and nitrous oxide emissions from drainage of wetlands	4	4	3	1	1	1	1	1	1	1	-86.5%
5E	Settlements biomass burning	121	121	80	104	97	87	63	56	45	38	-68.8%
5E2	Land converted to settlements	6,937	6,937	6,659	6,350	6,303	6,256	6,175	6,128	6,069	6,023	-13.2%
5G	Harvested wood products	-1,683	-1,683	-1,042	27	360	-82	-515	-1,289	-1,784	-2,446	45.4%

**Table A2.5.9 Sectoral Report for Waste Management (United Kingdom)**

GREENHOUSE GAS SOURCE AND SINK CATEGORIES		Base Year	1990	1995	2003	2004	2005	2006	2007	2008	2009	Change from BY
		(kt CO <sub>2</sub> e)										(%)
IPCC	Waste Management	58,914	58,914	46,016	22,263	20,629	19,927	19,455	19,003	18,404	17,902	-69.6%
6A1	Landfill	56,002	56,002	43,460	20,041	18,434	17,758	17,344	16,883	16,366	15,870	-71.7%
6B2	Waste-water handling	1,524	1,524	1,573	1,723	1,724	1,753	1,756	1,743	1,713	1,709	12.1%
6C	Waste Incineration	1,388	1,388	983	498	470	415	355	376	325	324	-76.7%