

Appendix 6

National Communication to IPCC Source Category Mapping for UK and DA GHGI Emission Sources

Table A6.1 National Communication to IPCC Source Category Mapping for UK and DA GHGI Emission Sources

(Page 1 of 6 - Business and Residential)

National Communication	IPCC category	GHGI Source Name
Business	1A2a_Manufacturing_Industry&Construction:I&S	Blast furnaces Iron and steel - combustion plant
	1A2f_Manufacturing_Industry&Construction: Other	Ammonia production - combustion Autogenerators Cement production - combustion Lime production - non decarbonising Other industrial combustion
	1A2fii_Manufacturing_Industry&Construction:Off-road	Industrial engines Industrial off-road mobile machinery
	1A4a_Commercial/Institutional	Miscellaneous industrial/commercial combustion
	2B5_Carbon from Non Energy Use of products	Other industrial combustion
	2F1_Refrigeration_and_Air_Conditioning_Equipment	Commercial Refrigeration Domestic Refrigeration Industrial Refrigeration Mobile Air Conditioning Refrigerated Transport Stationary Air Conditioning
	2F2_Foam_Blowing	Foams
	2F3_Fire_Extinguishers	Fire-fighting
	2F5_Solvents	Other PFC use Precision cleaning - HFC
	2F9_Other_(one_component_foams)	One Component Foams
	2F9_Other_(semiconductors_electrical_sporting_goods)	Electrical insulation Electronics - PFC Electronics - SF6 Sporting goods
Residential	1A4b_Residential	Domestic combustion
	1A4bii_Residential:Off-road	House and garden machinery
	2B5_Chemical_Industry_Other	Non-aerosol products - household products
	2F4_Aerosols	Aerosols - halocarbons Metered dose inhalers
	6C_Waste_Incineration	Accidental fires - vehicles

Table A6.1 National Communication to IPCC Source Category Mapping for UK and DA GHGI Emission Sources

(Page 2 of 6 - Transport)

National Communication	IPCC category	GHGI Source Name
Transport	1A3aii_Civil_Aviation_Domestic	Aircraft - domestic cruise Aircraft - domestic take off and landing Aircraft between UK and CDs - Cruise Aircraft between UK and CDs - TOL
	1A3b_Road_Transportation	Road transport - all vehicles LPG use Road transport - buses and coaches - motorway driving Road transport - buses and coaches - rural driving Road transport - buses and coaches - urban driving Road transport - cars - cold start Road transport - cars - motorway driving Road transport - cars - rural driving Road transport - cars - urban driving Road transport - cars non catalyst - cold start Road transport - cars non catalyst - motorway driving Road transport - cars non catalyst - rural driving Road transport - cars non catalyst - urban driving Road transport - cars with catalysts - cold start Road transport - cars with catalysts - motorway driving Road transport - cars with catalysts - rural driving Road transport - cars with catalysts - urban driving Road transport - HGV articulated - motorway driving Road transport - HGV articulated - rural driving Road transport - HGV articulated - urban driving Road transport - HGV rigid - motorway driving Road transport - HGV rigid - rural driving Road transport - HGV rigid - urban driving Road transport - LGVs - cold start Road transport - LGVs - motorway driving Road transport - LGVs - rural driving Road transport - LGVs - urban driving Road transport - LGVs non catalyst - cold start Road transport - LGVs non catalyst - motorway driving Road transport - LGVs non catalyst - rural driving Road transport - LGVs non catalyst - urban driving Road transport - LGVs with catalysts - cold start Road transport - LGVs with catalysts - motorway driving Road transport - LGVs with catalysts - rural driving Road transport - LGVs with catalysts - urban driving Road transport - mopeds (<50cc 2st) - urban driving Road transport - motorcycle (>50cc 2st) - rural driving Road transport - motorcycle (>50cc 2st) - urban driving Road transport - motorcycle (>50cc 4st) - motorway driving Road transport - motorcycle (>50cc 4st) - rural driving Road transport - motorcycle (>50cc 4st) - urban driving Road vehicle engines
	1A3c_Railways	Rail - coal Railways - freight Railways - intercity Railways - regional
	1A3dii_National_Navigation	Marine engines Shipping - coastal
	1A3e_Other_Transportation	Aircraft - support vehicles
	1A4a_Commercial/Institutional	Railways - stationary combustion
	1A4ciii_Fishing	Fishing vessels
	1A5b_Other:Mobile	Aircraft - military Shipping - naval

Table A6.1 National Communication to IPCC Source Category Mapping for UK and DA GHGI Emission Sources

(Page 3 of 6 - Agriculture)

National Communication	IPCC category	GHGI Source Name
Agriculture	1A4ci_Agriculture/Forestry/Fishing: Stationary	Agriculture - stationary combustion Miscellaneous industrial/commercial combustion
	1A4cii_Agriculture/Forestry/Fishing:Off-road	Agricultural engines Agriculture - mobile machinery
	2B5_Chemical_Industry_Other	Agriculture - agrochemicals use
	4A10_Enteric_Fermentation_Deer	Agriculture livestock - deer enteric
	4A1a_Enteric_Fermentation_Dairy	Agriculture livestock - dairy cattle enteric
	4A1b_Enteric_Fermentation_Non-Dairy	Agriculture livestock - other cattle enteric
	4A3_Enteric_Fermentation_Sheep	Agriculture livestock - sheep enteric
	4A4_Enteric_Fermentation_Goats	Agriculture livestock - goats enteric
	4A6_Enteric_Fermentation_Horses	Agriculture livestock - horses enteric
	4A8_Enteric_Fermentation_Swine	Agriculture livestock - pigs enteric
	4B10_Manure_Management_Deer	Agriculture livestock - deer wastes
	4B12_Liquid_Systems	Agriculture livestock - manure liquid systems
	4B13_Solid_Storage_and_Drylot	Agriculture livestock - manure solid storage and dry lot
	4B14_Other	Agriculture livestock - manure other
	4B1a_Manure_Management_Dairy	Agriculture livestock - dairy cattle wastes
	4B1b_Manure_Management_Non-Dairy	Agriculture livestock - other cattle wastes
	4B3_Manure_Management_Sheep	Agriculture livestock - sheep goats and deer wastes
	4B4_Manure_Management_Goats	Agriculture livestock - goats wastes
	4B6_Manure_Management_Horses	Agriculture livestock - horses wastes
	4B8_Manure_Management_Swine	Agriculture livestock - pigs wastes
	4B9_Manure_Management_Poultry	Agriculture livestock - broilers wastes Agriculture livestock - laying hens wastes Agriculture livestock - other poultry wastes
	4D_Agricultural_Soils	Agricultural soils
	4F1_Field_Burning_of_Agricultural_Residues	Field burning
	4F5_Field_Burning_of_Agricultural_Residues	Field burning

Table A6.1 National Communication to IPCC Source Category Mapping for UK and DA GHGI Emission Sources

(Page 4 of 6- Land Use Change)

National Communication	IPCC category	GHGI Source Name
Land Use Change	5A_Forest Land (Biomass Burning - wildfires)	Forest Land - Biomass burning
	5A_Forest Land (Drainage of soils)	Forest Land - Drainage of Organic Soils
	5A1_Forest Land Remaining Forest Land	Forest Land remaining Forest Land
	5A2_Forest Land (N fertilisation)	Direct N2O emission from N fertilisation of forest land
	5A2_Land Converted to Forest Land	Land converted to Forest Land
	5B_Cropland (Biomass Burning - controlled)	Cropland - Biomass Burning
	5B_Liming	Cropland - Liming
	5B1_Cropland Remaining Cropland	Cropland remaining Cropland
	5B2_Land Converted to Cropland	Land converted to Cropland
	5B2_N2O emissions from disturbance associated with land-use conversion to cropland	N2O emissions from disturbance associated with land-use conversion to cropland
	5C_Grassland (Biomass burning - controlled)	Grassland - Biomass Burning
	5C_Liming	Grassland - Liming
	5C1_Grassland Remaining Grassland	Grassland remaining Grassland
	5C2_Land converted to grassland	Land converted to Grassland
	5D_Wetlands (Biomass burning - controlled)	Wetlands - Biomass Burning
	5D1_Wetlands remaining wetlands	Wetlands remaining Wetland
	5D2_Land converted to wetlands	Land converted to Wetland
	5D2_Non-CO2 emissions from drainage of soils and wetlands	Non-CO2 emissions from drainage of soils and wetlands
	5E_Settlements (Biomass burning - controlled)	Settlements - Biomass Burning
	5E1_Settlements remaining settlements	Settlements remaining Settlements
	5E2_Land converted to settlements	Land converted to Settlements
	5F_Other land (Biomass burning - controlled)	Other Land - Biomass Burning
	5F1_Other land remaining other land	Other Land remaining Other Land
	5F2_Land converted to other land	Land converted to Other Land
	5G_Other (Harvested wood)	Harvested Wood Products

Table A6.1 National Communication to IPCC Source Category Mapping for UK and DA GHGI Emission Sources

(Page 5 of 6 - Energy Supply)

National Communication	IPCC category	GHGI Source Name
Energy Supply	1A1a_Public_Electricity&Heat_Production	Power stations
	1A1b_Petroleum_Refining	Refineries - combustion
	1A1ci_Manufacture_of_Solid_Fuels-coke	Coke production Solid smokeless fuel production
	1A1cii_Other_Energy_Industries	Collieries - combustion
		Gas production
		Gas Production - combustion at gas separation plant
		Gas Production - gas combustion Nuclear fuel production Oil Production - gas combustion Town gas manufacture
	1B1ai_Post-Mining_Activities	Coal storage and transport
	1B1ai_Underground_Mines	Closed Coal Mines
		Deep-mined coal
	1B1aai_Surface_Mines	Open-cast coal
	1B1b_Solid_Fuel_Transformation	Coke production
		Iron and steel - flaring
		Solid smokeless fuel production
	1B2ai_Oil_Exploration	Oil Production - Offshore Well Testing
	1B2aai_Oil_Production	Oil Production - process emissions
	1B2aiii_Oil_Transport	Oil Production - Offshore Oil Loading
		Oil Production - Onshore Oil Loading
	1B2aiv_Refining/Storage	Oil Production - Oil terminal storage
		Petroleum processes
	1B2bi_Gas_Production	Gas Production - Gas terminal storage
		Gas Production - Offshore Well Testing
		Gas Production - process emissions
	1B2bii_Transmission/Distribution	Gas leakage
	1B2ci_Flaring_Oil	Oil Production - gas flaring
	1B2ci_Venting_Oil	Oil Production - gas venting
	1B2cii_Flaring_Gas	Gas Production - gas flaring
	1B2cii_Venting_Gas	Gas Production - gas venting
	2A3_Limestone_&_Dolomite_Use	Power stations - FGD

Table A6.1 National Communication to IPCC Source Category Mapping for UK and DA GHGI Emission Sources

(Page 6 of 6 – Industrial Process, Public and Waste Management)

National Communication	IPCC category	GHGI Source Name
Industrial Process	1A2a_Manufacturing_Industry&Construction:I&S	Sinter production
	2A1_Cement_Production	Cement - decarbonising
	2A2_Lime_Production	Lime production - decarbonising
	2A3_Limestone_&_Dolomite_Use	Basic oxygen furnaces Glass - general Sinter production
	2A4_Soda_Ash_Production_&_Use	Glass - general
	2A7_(Fletton_Bricks)	Brick manufacture - Fletton
	2B1_Ammonia_Production	Ammonia production - feedstock use of gas
	2B2_Nitric_Acid_Production	Nitric acid production
	2B3_Adipic_Acid_Production	Adipic acid production
	2B5_Chemical_Industry_Other	Chemical industry - ethylene Chemical industry - general Chemical industry - methanol
	2C1_Iron&Steel	Electric arc furnaces Iron and steel - flaring Ladle arc furnaces
	2C3_Aluminium_Production	Primary aluminium production - general Primary aluminium production - PFC emissions
	2C4_Cover_gas_used_in_Al_and_Mg_foundries	Magnesium cover gas
	2E1_Production_of_Halocarbons_and_Sulphur_Hexafluoride	Halocarbons production - by-product
	2E2_Production_of_Halocarbons_and_Sulphur_Hexafluoride	Halocarbons production - fugitive
	3_Solvent_and_Other_Product_Use	Solvent use
Public	1A4a_Commercial/Institutional	Public sector combustion
Waste Management	6A1_Managed_Waste_Disposal_on_Land	Landfill
	6B2_Wastewater_Handling	Sewage sludge decomposition
	6C_Waste_Incineration	Incineration Incineration - chemical waste Incineration - clinical waste Incineration - sewage sludge