Appendix 2.1 - Reporting of PM emissions

Table A2.1: Inclusion/exclusion of the condensable component from PM,,10,, and PM,,2.5,, emission factors (NOTE: NFR categories with no reported activity or PM emissions (notation keys 'NO' or 'NA' in the NFR tables) are excluded here!)

NFR code	Source / sector name		nsable onent	EF reference and/or comments
		included	excluded	
NFR 1 - Er	nergy	=		
1.A.1.a	Public electricity and heat production		Х	
1.A.1.b	Petroleum refining		Х	
1.A.1.c	Manufacture of solid fuels and other energy industries		Х	
1.A.2.a	Stationary combustion in manufacturing industries and construction: Iron and steel		х	
1.A.2.b	Stationary combustion in manufacturing industries & construction: Non-ferrous metals		?	no indication
1.A.2.c	Stationary combustion in manufacturing industries & construction: Chemicals			
1.A.2.d	Stationary combustion in manufacturing industries & construction: Pulp, Paper & Print			
1.A.2.e	Stationary combustion in manufacturing industries & construction: Food processing, beverages & tobacco		х	
1.A.2.f	Stationary combustion in manufacturing industries & construction: Non-metallic minerals			
1.A.2.g vii	Mobile combustion in manufacturing industries & construction	X ¹		country-specific EF likely to include condensables
1.A.2.g viii	Stationary combustion in manufacturing industries & construction		х	
1.A.3.a i(i)	International aviation LTO (civil)	?		country-specific EF without clear indication
1.A.3.a ii(i)	Domestic aviation LTO (civil)	?		country-specific EF without clear indication
1.A.3.b i	Road transport: Passenger cars	X ¹		country-specific EF likely to include condensables
1.A.3.b ii	Road transport: Light duty vehicles	X ¹		country-specific EF likely to include condensables
1.A.3.b iii	Road transport: Heavy duty vehicles and buses	X ¹		country-specific EF likely to include condensables
1.A.3.b iv	Road transport: Mopeds & motorcycles	X ¹		country-specific EF likely to include condensables
1.A.3.b v	Road transport: Gasoline evaporation	NA		no PM emissions from this source category
1.A.3.b vi	Road transport: Automobile tyre and brake wear		х	
1.A.3.b vii	Road transport: Automobile road abrasion		Х	
1.A.3.c	Railways	X ¹		country-specific EF likely to include condensables
1.A.3.d i(ii)	International inland waterways		E	included in NFR 1.A.3.d ii
1.A.3.d ii	National navigation (shipping)	X ¹		country-specific EF likely to include condensables
1.A.3.e i	Pipeline transport		Х	
1.A.4.a i	Commercial/Institutional: Stationary		Х	
1.A.4.a ii	Commercial/Institutional: Mobile	x ¹		country-specific EF likely to include condensables
1.A.4.b i	Residential: Stationary	х		
1.A.4.b ii	Residential: Household and gardening (mobile)	?		country-specific EF without clear indication
1.A.4.c i	Agriculture/Forestry/Fishing: Stationary		х	
1.A.4.c ii	Agriculture/Forestry/Fishing: Off-road vehicles and other machinery	x¹		country-specific EF likely to include condensables

NFR code	Source / sector name				condensable component			EF reference and/or comments	
1.A.4.c iii	,	Agriculture/Forestry/Fishing: N	ational fishi	ing	?			country-specific EF without clear indication	
1.A.5.a		Other stationary (including			X				
1.A.5.b	Otl	her, Mobile (including military recreational boats		d an	nd x1			country-specific EF likely to include condensables	
1.B.1	.a	Fugitive emission from solid fuels: Coal mining and handling			x				
1.B.1	.b	Fugitive emission from solid fuels: Solid fuel transformation			x				
1.B.2		Venting and flaring (oil, gas, oil and gas)	combined		?		EMEP GB 2016 EF without any indication		
NFR 2 - IP	PU								
2.A.:	1	Cement production	า		?		country-specific EF without any indication		
2.A.2	2	Lime production			?		country-specific EF without any indication		
2.A.3	3	Glass production			?		country-specific EF without any indication		
2.A.5	.a	Quarrying and mining of min than coal	erals other		?		EMEP GB 2016 EF without any indication		
2.A.5	.b	Construction and demo	lition		?		EM	IEP GB 2016 EF without any indication	
2.A.5	.C	Storage, handling and tran mineral products	nsport of	ΙE	incl	uded in NFF	₹ 2.L		
2.A.6	5	Other mineral products (plea in the IIR)	ase specify		?			cou	intry-specific EF without any indication
2.B.3		Adipic acid producti	on	NE	no EF in EMEP GB 2019				
2.B.5	5	Carbide production	า		?		cou	intry-specific EF without any indication	
2.B.7	7	Soda ash productio	n		?			cou	intry-specific EF without any indication
2.B.10).a	Chemical industry: Other specify in the IIR)	(please		?		carb	oon black: country-specific EF without any indication	
2.B.10).a	Chemical industry: Other specify in the IIR)	(please		?				zer production: country-specific EF without any indication
2.B.10).b	Storage, handling and trar chemical products (please sp IIR)		IE	incl	uded in NFF	R 2.L		
2.C.:	.C.1 Iron and steel production		tion		?		country-specific EF without any indication		
2.C.2	2	Ferroalloys producti	on		?		cou	intry-specific EF without any indication	
2.C.3	3	Aluminium production	on		?			cou	Intry-specific EF without any indication
2.C.4	4	Magnesium producti	on	NE	no primary magnesium production; emission for secondary magnesium production allocated in 1.A.2.b				
2.C.5	5	Lead production			?		country-specific EF without any indication		
2.C.6	6	Zinc production			?		country-specific EF without any indication		
2.C.7	.a	Copper production	1		?			cou	ıntry-specific EF without any indication

2.C.7.c	Other metal production (please specify		2	no indication
2.C.7.C	in the IIR)		•	TIO III GICALIOII
2.C.7.d	Storage, handling and transport of metal products (please specify in the IIR)	IE	included in NFR 2.L	
2.D.3.b	Road paving with asphalt		?	country-specific EF without any indication
2.G	Other product use: Tobacco		?	country-specific EF without any indication
2.G	Other product use: Fireworks		?	EMEP GB 2019 EF without any indication
2.G	Other product use: Charcoal		?	EF from 1.A.4 EMEP GB 2019 EF without any indication
2.H.1	Pulp and paper industry		?	country-specific EF without any indication
2.H.2	Food and beverages industry		?	EMEP GB 2016 EF without any indication
2.1	Wood processing		?	country-specific EF without any indication
2.J	Production of POPs	NE		
2.L	Other production, consumption, storage, transportation or handling of bulk products (please specify in the IIR)	?	country-specific EF without any indication	
NFR 3 - Agriculture				
3.B.1.a	Manure management - Dairy cattle		?	EMEP GB 2016 EF without any indication
3.B.1.b	Manure management - Non-dairy cattle		?	EMEP GB 2016 EF without any indication
3.B.2	Manure management - Sheep		?	EMEP GB 2016 EF without any indication
3.B.3	Manure management - Swine		?	EMEP GB 2016 EF without any indication
3.B.4.a	Manure management - Buffalo	IE	EMEP GB 2016 EF without any indication	
3.B.4.d	Manure management - Goats		?	EMEP GB 2016 EF without any indication
3.B.4.e	Manure management - Horses		?	EMEP GB 2016 EF without any indication
3.B.4.f	Manure management - Mules and asses	IE	EMEP GB 2016 EF without any indication	
3.B.4.g i	Manure management - Laying hens		?	EMEP GB 2016 EF without any indication
3.B.4.g ii	Manure management - Broilers		?	EMEP GB 2016 EF without any indication
3.B.4.g iii	Manure management - Turkeys		?	EMEP GB 2016 EF without any indication
3.B.4.g iv	Manure management - Other poultry		?	EMEP GB 2016 EF without any indication
3.B.4.h	Manure management - Other animals (please specify in the IIR)	NE	EMEP GB 2016 EF without any indication	
3.D.c	Farm-level agricultural operations including storage, handling and transport of agricultural products		?	EMEP GB 2016 EF without any indication
NFR 5 - Waste				
5.A	Biological Treatment of Waste - Solid Waste Disposal on Land		?	EMEP-GB 2019: EF without any indication
5.C.1.b v	Cremation		?	country-specific EF without any indication

5.E.2	Other Waste: Building and Car Fires		?	EMEP GB 2016 EF without any indication
MEMO ITEMS - NOT TO BE INCLUDED IN NATIONAL TOTALS				
1.A.3.a i(ii)	International aviation cruise (civil)		?	country-specific EF without clear indication
1.A.3.a ii(ii)	Domestic aviation cruise (civil)		?	country-specific EF without clear indication
1.A.3.d i(i) International maritime navigation			?	country-specific EF without clear indication
1.A.5.c	Multilateral operations			
11.B Forest fires			?	EMEP GB 2016 EF without any indication
1		-		•