

Appendix 2.1 - Reporting of PM emissions

The condensable fraction of particulate matter (PM_{2.5}) is documented for all activities in the emissions database. A documentation entry has been created for each time series, indicating the following options for condensable particulate matter:

- Yes (measured/determined), the condensable fraction of PM_{2.5} was measured and is included in the emission values
- No, the condensable fraction has not been determined and is not included in the emission values
- NA (no condensable PM_{2.5} is generated in the process)
- Unknown, the condensable fraction for PM_{2.5} is unknown and could be zero

Below is an excerpt from the database, showing the aforementioned documentation entries by source category.



NFR categories with no reported activity or PM_{2.5} emissions are excluded here.

NFR Source Category		Yes	Not Applicable	No	Unknown	Number of document entries
		(measured/determined)	(no condensable PM _{2.5} are generated in the process)	(potentially possible)		
NFR 1 Energy						
1A1ai	Electricity Generation	-	-	111	-	-
1A1aiii	Heat Plants	-	-	38	-	-
1A1b	Petroleum Refining	-	-	31	-	-
1A1ci	Manufacture of Solid Fuels	-	-	34	-	-
1A1ciii	Other Energy Industries	-	-	3	-	-
1A1civ	Other Manufacture of Solid Fuels and Other Energy Industries	-	-	13	-	-
1A2a	Iron and Steel	-	-	21	-	-
1A2gvii	Off-road Vehicles and Other Machinery	4	-	-	-	-
1A2gviii	Other	-	-	103	-	-
1A3ai(i)	International Aviation LTO (civil)	-	-	-	2	-
1A3ai(ii)	International Aviation Cruise (civil)	-	-	-	2	-
1A3aii(i)	Domestic Aviation LTO (civil)	-	-	-	2	-
1A3aii(ii)	Domestic Aviation Cruise (civil)	-	-	-	2	-
1A3bi	Road Transport: Passenger Cars	154	-	-	-	-
1A3bii	Road Transport: Light duty vehicles	138	-	-	-	-
1A3biii	Road Transport: Heavy duty vehicles and buses	136	-	-	-	-
1A3biv	Road Transport: Mopeds and Motorcycles	56	-	-	-	-
1A3bvi	Road Transport: Automobile tyre and brake wear	-	12	-	-	-
1A3bvii	Road Transport: Automobile road abrasion	-	6	-	-	-
1A3c	Rail Transport	11	-	1	-	-
1A3di(i)	International Maritime Navigation	-	-	-	3	-
1A3dii	National Navigation (shipping)	8	-	1	1	-
1A3ei	Pipeline Transport	-	-	3	-	-
1A4ai	Commercial/Institutional: Stationary	-	-	29	-	-
1A4aii	Commercial/Institutional: Mobile	3	-	-	-	-

NFR Source Category		Yes	Not Applicable	No	Unknown	Number of document entries
1A4bi	Residential: Stationary	-	-	15	-	-
1A4bii	Residential: Household and Gardening (mobile)	-	-	4	4	-
1A4ci	Agriculture/Forestry/Fishing: Stationary	-	-	16	-	-
1A4cii	Agriculture/Forestry/Fishing: Off-road Vehicles and other Machinery	6	-	-	-	-
1A4ciii	Agriculture/Forestry/Fishing: National Fishing	-	-	-	4	-
1A5a	Other Stationary (including military)	-	-	10	-	-
1A5b	Other Mobile (including military, land based and recreational boats)	-	-	9	1	-
1B1a2i	Mining Activities	-	1	-	-	-
1B1b	Solid Fuel Transformation	-	6	2	-	-
1B2c2ii	Gas	-	-	1	-	-
NFR 2 - IPPU						
2A1	Cement Production	-	-	1	-	-
2A2	Lime Production	-	-	-	2	-
2A3	Glass Production	6	-	-	-	-
2A4a	Ceramics	-	-	-	15	-
2A5a	Quarrying and Mining of Minerals other than Coal	-	4	-	-	-
2A5b	Construction and Demolition	-	5	-	-	-
2B5b	Calcium Carbide	-	-	-	1	-
2B8f	Carbon Black	-	-	-	1	-
2B10a	Chemical Industry: Other	-	-	-	1	-
2C1a	Steel	-	-	-	4	-
2C1b	Pig Iron	-	-	-	1	-
2C1d	Sinter	-	-	-	1	-
2C1f	Other Iron and Steel Production	-	-	-	1	-
2C2	Ferrous Alloys Production	-	-	-	1	-
2C3a	By-Product Emissions	-	-	-	2	-
2C5	Lead Production	-	-	-	2	-
2C6	Zinc Production	-	-	-	2	-
2C7a	Copper Production	-	-	-	2	-
2C7c	Other Metal Production	-	-	-	1	-
2D3b	Road Paving with Asphalt	-	-	-	1	-
2G4	Further Product Manufacture and Use	3	-	-	1	-
2H1	Pulp and Paper Industry	-	-	2	-	-
2H2	Food and Beverages Industry	-	-	-	2	-
2I	Wood Processing	-	1	-	-	-
2L	Handling of Bulk Products	-	1	-	89	-
NFR 3 - Agriculture						
3B1a	Dairy Cattle	-	1	-	-	-
3B1b	Non-dairy Cattle	-	6	-	-	-
3B2	Sheep	-	1	-	-	-
3B3	Swine	-	4	-	-	-
3B4c	Deer	-	1	-	-	-
3B4d	Goats	-	1	-	-	-
3B4e	Horses	-	1	-	-	-
3B4gi	Laying Hens	-	1	-	-	-
3B4gii	Broilers	-	1	-	-	-
3B4giii	Turkeys	-	1	-	-	-
3B4giv	Other Poultry	-	3	-	-	-

NFR Source Category		Yes	Not Applicable	No	Unknown	Number of document entries
3B4h	Other Animals	-	3	-	-	-
3D3	Farm-level Agricultural Operations incl. Storage, Handling and Transport of Agri. Products	-	1	-	-	-
NFR 5 - Waste						
5A1	Managed Waste Disposal Sites	-	1	-	-	-
5C1aii5	Other Waste	-	-	1	-	-
5C2aii	Other Biogenic Waste	-	-	-	1	-
5E	Other Waste	-	-	-	6	-
NFR 11 - Natural Sources						
11B	Forest Fires	-	-	-	1	-
SUM		525	62	449	159	1.195