

pollutant-specific data:	NOx	NM VOC	SOx	NH3	PM2.5	PM10	TSP	BC	CO	Pb	Cd	Hg	As	Cr	Cu	Ni	Se	Zn	PCDD/F	B[a]P	B[b]F	B[k]F	I[x]P	PAH1-4	HCB	PCB
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Recalculations - Polyaromatic Hydrocarbons 1 to 4

The rather remarkable changes within the **National Total** reported for **1990 (+1.94 t or +1.68 %)** result almost entirely from newly implemented emission estimates for B[b]F, B[k]F and I[x]P from **NFR sub-category 2.C.3**, increasing the PAH emissions from this specific source by **more than 200 %**.

Table 1: Changes of emission estimates 1990

	Submission 2025	Submission 2026	Difference		Reasoning
NFR Sector	[t]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	115.67	117.61	1.94	1.68%	sub-category chapters
NFR 1 - Energy	102.40	102.50	0.09	0.09%	sub-category chapters
1.A.2.g vii	0.097716	0.097723	0.000007	0.01%	here
1.A.3.b i	1.24	1.56	0.32	25.62%	here
1.A.3.b ii	0.06	0.10	0.04	62.72%	here
1.A.3.b iii	0.80	0.57	-0.23	-28.93%	here
1.A.3.b iv	0.018	0.016	-0.002	-9.08%	here
1.A.3.b vi	0.06	0.04	-0.02	-28.25%	here
1.A.3.c	0.29	0.28	-0.01	-4.08%	here
1.A.4.a ii	0.01910	0.01909	-0.00001	-0.03%	here
1.A.4.c ii	0.211353	0.211351	-0.000002	-0.001%	here
NFR 2 - IPPU	11.81	13.65	1.85	15.65%	sub-category chapters
2.C.3	0.90	2.75	1.85	206%	here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	1.46	1.46	0.00	0.00%	
NFR 6 - Other	NA				
	Submission 2025	Submission 2026	Difference		Reasoning
NFR Sector	[t]		absolute	relative	see description and reasoning in:
NATIONAL TOTAL	23.03	23.22	0.19	0.83%	sub-category chapters
NFR 1 - Energy	22.92	23.00	0.08	0.34%	sub-category chapters
1.A.2.g vii	0.0064068	0.0064072	0.0000005	0.01%	here
1.A.3.b i	0.39	0.50	0.11	28.12%	here
1.A.3.b ii	0.018	0.025	0.007	40.18%	here
1.A.3.b iii	0.08	0.06	-0.02	-28.84%	here
1.A.3.b iv	0.0052	0.0050	-0.0002	-3.59%	here
1.A.3.c	0.007	0.005	-0.002	-31.01%	here
1.A.4.a ii	0.0012434	0.0012430	-0.0000003	-0.03%	here
1.A.4.c ii	0.0138588	0.0138586	-0.0000001	-0.001%	here
NFR 2 - IPPU	0.07	0.18	0.11	158%	sub-category chapters
2.C.3	NE	0.11	0.11		here
NFR 3 - Agriculture	NA				
NFR 5 - Waste	0.04	0.04	0.00	0.00%	
NFR 6 - Other	NA				

The significant changes within the **National Total** reported for **2022 (+1.28 t or +4.92 %)** are dominated by revisions in NFR sub-categories **1.A.4.b i with +1.39 t** and **1.A.4.a i with -0.11 t** together with a variety of small revisions throughout NFR 1.

However, the most significant percental change occurs in NFR **1.A.4.a ii with minus 16 %**.

Table 2: Changes of emission estimates 2023

