

# Recalculations - Dioxines & Furanes (PCDD/F)

The significant changes within the **National Total** reported for **1990 (-9 g or -1.11 %)** are by far dominated by a **revision in NFR 5.E (-9.04 g)** together with several **smaller changes throughout NFR 1.A**.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[g]			relative	
<b>NATIONAL TOTAL</b>	<b>814,14</b>	<b>805,10</b>	<b>-9,04</b>	<b>-1,11%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>522,7609</b>	<b>522,7612</b>	<b>0,0003</b>	<b>0,000001</b>	<b>sub-category chapters</b>
1.A.2.g vii	0,08	0,06	-0,02	-28,0%	<a href="#">here</a>
1.A.3.c	0,1401	0,1404	0,0003	0,22%	<a href="#">here</a>
1.A.4.a ii	0,013	0,011	-0,002	-12,7%	<a href="#">here</a>
1.A.4.c ii	0,27	0,29	0,02	9,15%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>242,10</b>	<b>242,10</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 3 - Agriculture</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>		
<b>NFR 5 - Waste</b>	<b>49,29</b>	<b>40,25</b>	<b>-9,04</b>	<b>-18,3%</b>	<b>sub-category chapters</b>
5.E	43,75	34,71	-9,04	-20,7%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>		

Changes within the **National Total** reported for **2020 (-1.73 g or -1.55 %)** are dominated by two revisions in **NFRa 1.A.3.b i and 2.A.1** together with a variety of less significant changes throughout NFR 1.

The most significant percental change occurs for **NFR 2.A.1 with minus -92 %**.

Table 2: Changes of emission estimates 2020

NFR Sector	Submission 2023	Submission 2024	Difference		Reasoning
	[g]			relative	
<b>NATIONAL TOTAL</b>	<b>116,03</b>	<b>107,56</b>	<b>-8,47</b>	<b>-7,30%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>52,43</b>	<b>53,00</b>	<b>0,57</b>	<b>1,09%</b>	<b>sub-category chapters</b>
1.A.1.a	3,88	3,89	0,01	0,35%	<a href="#">here</a>
1.A.1.b	0,01299	0,01296	-0,00003	-0,23%	<a href="#">here</a>
1.A.1.c	0,050	0,054	0,004	7,17%	<a href="#">here</a>
1.A.2.a	0,0234	0,0225	-0,0009	-3,76%	<a href="#">here</a>
1.A.2.g vii	0,089	0,064	-0,025	-28,2%	<a href="#">here</a>
1.A.2.g viii	1,29	1,16	-0,12	-9,60%	<a href="#">here</a>
1.A.3.b i	4,99044	4,99038	-0,00006	-0,001%	<a href="#">here</a>
1.A.3.b ii	0,623184	0,623191	0,000007	0,001%	<a href="#">here</a>
1.A.3.b iii	0,23	0,25	0,02	7,53%	<a href="#">here</a>
1.A.3.b iv	0,2821524004	0,2821523998	-0,0000000006	-0,0000002%	<a href="#">here</a>
1.A.3.c	0,02506	0,02508	0,00002	0,07%	<a href="#">here</a>
1.A.3.d ii	1,80	1,94	0,14	7,86%	<a href="#">here</a>
1.A.4.a i	21,07	21,24	0,17	0,79%	<a href="#">here</a>
1.A.4.a ii	0,0099	0,0105	0,0006	6,02%	<a href="#">here</a>
1.A.4.b i	15,78	16,05	0,28	1,75%	<a href="#">here</a>
1.A.4.b ii	0,054	0,056	0,002	4,60%	<a href="#">here</a>
1.A.4.c i	1,68	1,70	0,02	1,18%	<a href="#">here</a>
1.A.4.c ii	0,26	0,35	0,08	30,6%	<a href="#">here</a>
1.A.4.c iii	0,0246624	0,0246624	0,0000000	0,00%	<a href="#">here</a>
1.A.5.a	0,2263	0,2265	0,0002	0,08%	<a href="#">here</a>
1.A.5.b	0,016781	0,016782	0,000001	0,005%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>17,53</b>	<b>17,53</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>46,07</b>	<b>37,03</b>	<b>-9,04</b>	<b>-19,6%</b>	<b>sub-category chapters</b>

	Submission 2023	Submission 2024	Difference		Reasoning
<b>NFR Sector</b>	<b>[g]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>116,03</b>	<b>107,56</b>	<b>-8,47</b>	<b>-7,30%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>52,43</b>	<b>53,00</b>	<b>0,57</b>	<b>1,09%</b>	<b>sub-category chapters</b>
5.E	44,64	35,60	-9,04	-20,3%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				