

# 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 2022	Submission 2023	Difference		Reasoning
	[g]			relative	
<b>NATIONAL TOTAL</b>	<b>111,91</b>	<b>110,18</b>	<b>-1,73</b>	<b>-1,55%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>49,20</b>	<b>48,39</b>	<b>-0,81</b>	<b>-1,65%</b>	<b>sub-category chapters</b>
1.A.1.a	3,67	3,60	-0,08	-2,05%	<a href="#">here</a>
1.A.1.b	0,0125	0,0132	0,0007	5,45%	<a href="#">here</a>
1.A.1.c	0,066	0,068	0,002	3,05%	<a href="#">here</a>
1.A.2.a	0,0217	0,0213	-0,0004	-1,86%	<a href="#">here</a>
1.A.2.g vii	0,087	0,090	0,003	3,73%	<a href="#">here</a>
1.A.2.g viii	1,15	1,36	0,21	18,61%	<a href="#">here</a>
1.A.3.b i	6,52	5,41	-1,11	-16,96%	<a href="#">here</a>
1.A.3.b ii	0,69	0,68	-0,01	-2,06%	<a href="#">here</a>
1.A.3.b iii	0,30	0,27	-0,03	-11,46%	<a href="#">here</a>
1.A.3.b iv	0,49	0,33	-0,16	-33,26%	<a href="#">here</a>
1.A.3.c	0,023	0,025	0,001	6,27%	<a href="#">here</a>
1.A.3.d ii	1,7496	1,7495	-0,0001	-0,01%	<a href="#">here</a>
1.A.4.a i	18,25	18,79	0,54	2,97%	<a href="#">here</a>
1.A.4.a ii	0,0101	0,0102	0,0001	0,89%	<a href="#">here</a>
1.A.4.b i	14,17	13,96	-0,21	-1,45%	<a href="#">here</a>
1.A.4.b ii	0,070	0,055	-0,015	-21,28%	<a href="#">here</a>
1.A.4.c i	1,469	1,466	-0,003	-0,22%	<a href="#">here</a>
1.A.4.c ii	0,23	0,26	0,03	15,01%	<a href="#">here</a>
1.A.5.a	0,16	0,17	0,01	6,51%	<a href="#">here</a>
1.B.1.b	0,0162	0,0163	0,0001	0,65%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>16,67</b>	<b>15,75</b>	<b>-0,92</b>	<b>-5,52%</b>	<b>sub-category chapters</b>
2.A.1	1,01	0,09	-0,92	-91,25%	<a href="#">here</a>
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>46,03</b>	<b>46,03</b>	<b>0,00</b>	<b>0,00%</b>	

	Submission 2022	Submission 2023	Difference		Reasoning
<b>NFR Sector</b>	<b>[g]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>111,91</b>	<b>110,18</b>	<b>-1,73</b>	<b>-1,55%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>49,20</b>	<b>48,39</b>	<b>-0,81</b>	<b>-1,65%</b>	<b>sub-category chapters</b>
<b>NFR 6 - Other</b>	<b>NA</b>				