

# Recalculations - Dioxines & Furanes (PCDD/F)

The negligibly small changes within the **National Total** reported for **1990 (+0.24 g or +0.03 %)** are dominated by revisions in **NFR 1.A.3.b i with +0.25g** together with several small changes throughout **NFR 1.A.**

The most significant percental change occurs for **NFR 1.A.3.b ii with plus 3.8 %.**

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2022	Submission 2023	Difference		Reasoning
	[g]			relative	
<b>NATIONAL TOTAL</b>	<b>813,90</b>	<b>814,14</b>	<b>0,24</b>	<b>0,03%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>522,52</b>	<b>522,76</b>	<b>0,24</b>	<b>0,05%</b>	<b>sub-category chapters</b>
1.A.2.g vii	0,0818	0,0819	0,0001	0,17%	<a href="#">here</a>
1.A.3.b i	14,59	14,84	0,25	1,68%	<a href="#">here</a>
1.A.3.b ii	0,24	0,25	0,01	3,85%	<a href="#">here</a>
1.A.3.b iv	0,51	0,50	-0,01	-2,38%	<a href="#">here</a>
1.A.4.a ii	0,01271	0,01270	-0,00001	-0,09%	<a href="#">here</a>
1.A.4.b ii	0,09394	0,09396	0,00002	0,02%	<a href="#">here</a>
1.A.4.c ii	0,2685	0,2684	-0,0001	-0,05%	<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>NA</b>				
<b>NFR 5 - Waste</b>	<b>49,29</b>	<b>49,29</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>NA</b>				

Changes within the **National Total** reported for **2019 (+1.35 g or +1.14 %)** are dominated by a revision in **NFR 1.A.3.b i with +1.23 g.**

However, the most significant percental change occurs for **NFR 1.A.5.b with minus 62 %.**

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>
NFR 1 - Energy	49,20	48,39	-0,81	-1,65%	sub-category chapters
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.a i(i)	NE	NE	#WERT!	#WERT!	<a href="#">here</a>
1.A.3.a ii(i)	NE	NE	#WERT!	#WERT!	<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.b v	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
1.A.3.b vi	NA	NA	#WERT!	#WERT!	<a href="#">here</a>
1.A.3.b vii	NA	NA	#WERT!	#WERT!	<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>

	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>
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>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>#DIV/0!</b>	
<b>NFR 5 - Waste</b>	<b>46,03</b>	<b>46,03</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 6 - Other</b>	<b>0,00</b>	<b>0,00</b>	<b>0,00</b>	<b>#DIV/0!</b>	