

## Recalculations - Dioxines & Furanes (PCDD/F)

The small changes within the **National Total** reported for **1990 (-1.05 g or -0.13 %)** are dominated by revisions in NFRs **1.A.3.d ii with -0.80 g** and **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.d ii with plus 74 %**.

Table 1: Changes of emission estimates 1990

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[t]			relative	
<b>NATIONAL TOTAL</b>	<b>814,95</b>	<b>813,90</b>	<b>-1,05</b>	<b>-0,13%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>523,57</b>	<b>522,52</b>	<b>-1,05</b>	<b>-0,20%</b>	<b>sub-category chapters</b>
1.A.3.b i	14,84	14,59	-0,25	-1,66%	<a href="#">here</a>
1.A.3.b ii	0,25	0,24	-0,01	-3,71%	<a href="#">here</a>
1.A.3.b iv	0,50	0,51	0,01	2,44%	<a href="#">here</a>
1.A.3.c	0,08	0,14	0,06	74,04%	<a href="#">here</a>
1.A.3.d ii	4,56	3,77	-0,80	-17,43%	<a href="#">here</a>
1.A.4.b ii	0,092	0,094	0,002	2,61%	<a href="#">here</a>
1.A.4.c iii	0,07	0,03	-0,04	-53,84%	<a href="#">here</a>
1.A.5.b	0,18	0,13	-0,04	-23,46%	<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 2019

NFR Sector	Submission 2021	Submission 2022	Difference		Reasoning
	[g]			relative	
<b>NATIONAL TOTAL</b>	<b>118,72</b>	<b>120,07</b>	<b>1,35</b>	<b>1,14%</b>	<b>see description and reasoning in: sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>51,17</b>	<b>52,47</b>	<b>1,31</b>	<b>2,55%</b>	<b>sub-category chapters</b>
1.A.1.a	4,08	4,17	0,09	2,25%	<a href="#">here</a>
1.A.1.b	0,015	0,0155	-0,002	-1,28%	<a href="#">here</a>
1.A.1.c	0,12	0,07	-0,04	-36,40%	<a href="#">here</a>
1.A.2.a	0,0232	0,0245	0,0013	5,54%	<a href="#">here</a>
1.A.2.g vii	0,08359	0,08357	-0,00002	-0,03%	<a href="#">here</a>
1.A.2.g viii	1,215	1,195	-0,019	-1,60%	<a href="#">here</a>
1.A.3.b i	7,05	8,28	1,23	17,42%	<a href="#">here</a>
1.A.3.b ii	0,842	0,846	0,005	0,55%	<a href="#">here</a>
1.A.3.b iii	0,3841	0,3844	0,0002	0,06%	<a href="#">here</a>
1.A.3.b iv	0,34	0,53	0,20	58,76%	<a href="#">here</a>
1.A.3.c	0,021	0,024	0,003	12,93%	<a href="#">here</a>
1.A.3.d ii	2,04	1,97	-0,07	-3,47%	<a href="#">here</a>
1.A.4.a i	18,32	18,22	-0,11	-0,57%	<a href="#">here</a>
1.A.4.a ii	0,00989	0,00990	0,00002	0,18%	<a href="#">here</a>
1.A.4.b i	14,65	14,67	0,03	0,17%	<a href="#">here</a>
1.A.4.b ii	0,071	0,073	0,002	2,64%	<a href="#">here</a>
1.A.4.c i	1,497	1,494	-0,003	-0,20%	<a href="#">here</a>
1.A.4.c ii	0,196	0,194	-0,002	-0,89%	<a href="#">here</a>
1.A.4.c iii	0,05	0,03	-0,02	-37,07%	<a href="#">here</a>
1.A.5.a	0,09	0,14	0,05	54,09%	<a href="#">here</a>

	Submission 2021	Submission 2022	Difference		Reasoning
<b>NFR Sector</b>	<b>[g]</b>			<b>relative</b>	<b>see description and reasoning in:</b>
<b>NATIONAL TOTAL</b>	<b>118,72</b>	<b>120,07</b>	<b>1,35</b>	<b>1,14%</b>	<b>sub-category chapters</b>
<b>NFR 1 - Energy</b>	<b>51,17</b>	<b>52,47</b>	<b>1,31</b>	<b>2,55%</b>	<b>sub-category chapters</b>
1.A.5.b	0,06	0,02	-0,04	-62,20%	<a href="#">here</a>
1.B.1.b	0,016	0,018	0,002	9,50%	<a href="#">here</a>
<b>NFR 2 - IPPU</b>	<b>19,72</b>	<b>19,72</b>	<b>0,00</b>	<b>0,00%</b>	
<b>NFR 3 - Agriculture</b>	<b>NA</b>				
<b>NFR 5 - Waste</b>	<b>47,83</b>	<b>47,88</b>	<b>0,05</b>	<b>0,10%</b>	<b>sub-category chapters</b>
5.C.2	3,15	3,20	0,05	1,44%	<a href="#">here</a>
<b>NFR 6 - Other</b>	<b>NA</b>				