

# 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

|                            | Submission 2023 | Submission 2024 | Difference    |                 | Reasoning                         |
|----------------------------|-----------------|-----------------|---------------|-----------------|-----------------------------------|
| NFR Sector                 | [g]             |                 |               | relative        | see description and reasoning in: |
| <b>NATIONAL TOTAL</b>      | <b>814,14</b>   | <b>805,10</b>   | <b>-9,04</b>  | <b>-1,11%</b>   | <b>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 revisiona 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

|                       | Submission 2023 | Submission 2024 | Difference     |               | Reasoning                         |
|-----------------------|-----------------|-----------------|----------------|---------------|-----------------------------------|
| NFR Sector            | [g]             |                 |                | relative      | see description and reasoning in: |
| <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>      |
| 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.b               | IE              | IE              | #WERT!         | #WERT!        | <a href="#">here</a>              |
| 1.A.2.c               | IE              | IE              | #WERT!         | #WERT!        | <a href="#">here</a>              |
| 1.A.2.d               | IE              | IE              | #WERT!         | #WERT!        | <a href="#">here</a>              |
| 1.A.2.e               | NE              | NE              | #WERT!         | #WERT!        | <a href="#">here</a>              |
| 1.A.2.f               | NA              | NA              | #WERT!         | #WERT!        | <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.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             | 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.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>              |
| <b>1.A.3.c</b>        | <b>0,02506</b>  | <b>0,02508</b>  | <b>0,00002</b> | <b>0,07%</b>  | <b><a href="#">here</a></b>       |
| 1.A.3.d i(ii)         | IE              | IE              | #WERT!         | #WERT!        |                                   |
| <b>1.A.3.d ii</b>     | <b>1,80</b>     |                 |                |               | <b><a href="#">here</a></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>                 |
| <b>1.A.3.e i</b>      | <b>NA</b>       | <b>NA</b>       | <b>#WERT!</b> | <b>#WERT!</b>   | <b>1.A.3.e i - Pipeline Transport ]</b>      |
| <b>1.A.3.e ii</b>     | <b>NA</b>       |                 |               |                 | <b>1.A.3.e ii - Other Transport: Other ]</b> |
| 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>                         |
| NFR 2 - IPPU          | 17,53           | 17,53           | 0,00          | 0,00%           | sub-category chapters                        |
| NFR 3 - Agriculture   | 0,0000000       | 0,0000000       | 0,0000000     | #DIV/0!         | sub-category chapters                        |
| NFR 5 - Waste         | 46,07           | 37,03           | -9,04         | -19,6%          | sub-category chapters                        |
| 5.E                   | 44,64           | 35,60           | -9,04         | -20,3%          | <a href="#">here</a>                         |
| NFR 6 - Other         | 0,0000000       | 0,0000000       | 0,0000000     | #DIV/0!         |                                              |