

**Tabell B.12 Utsläpp till luft angivet i becquerel (Bq) för Forsmark 2004.  
 ssi-rapp-2005-19.pdf, sida 55 \***

| Isotop, summa block 1-3 | år                 | dag            | timma         | minut      | sekund  | halveringstid  | sönderfall          |
|-------------------------|--------------------|----------------|---------------|------------|---------|----------------|---------------------|
| 1 H-3                   | 518,000,000,000    | 1,419,178,082  | 59,132,420    | 985,540    | 16,426  | 12.3 år        | beta                |
| 2 C-14                  | 2,224,000,000,000  | 6,093,150,685  | 253,881,279   | 4,231,355  | 70,523  | 5730 år        | beta                |
| 3 Cr-51                 | 17,900,000         | 49,041         | 2,043         | 34         | 1       | 27.7 dagar     | gamma/xray          |
| 4 Mn-54                 | 3,977,000          | 10,896         | 454           | 8          | 0       | 312.3 dagar    | beta -              |
| 5 Co-58                 | 25,607,000         | 70,156         | 2,923         | 49         | 1       | 70.86 dagar    | Electron Capture    |
| 6 Co-60                 | 34,400,000         | 94,247         | 3,927         | 65         | 1       | 5.2714 år      | beta -              |
| 7 Mo-99                 | 5,706,000          | 15,633         | 651           | 11         | 0       | 65.94 timmar   | beta -              |
| 8 Sb-122                | 5,880,000          | 16,110         | 671           | 11         | 0       | 2.7238 dagar   | beta -              |
| 9 Sb-124                | 553,000            | 1,515          | 63            | 1          | 0       | 60.20 dagar    | beta -              |
| 10 Am-243               | 51,110             | 140            | 6             | 0          | 0       | 7373 år        | alfa                |
| <b>Ädelgaser</b>        |                    |                |               |            |         |                |                     |
| 11 Ar-41                | 757,000,000        | 2,073,973      | 86,416        | 1,440      | 24      | 109.34 minuter | beta -              |
| 12 Kr-85m               | 4,770,000,000      | 13,068,493     | 544,521       | 9,075      | 151     | 4.480 timmar   | beta -              |
| 13 Kr-87                | 828,000,000        | 2,268,493      | 94,521        | 1,575      | 26      | 76.3 minuter   | beta -              |
| 14 Xe-131m              | 103,500,000,000    | 283,561,644    | 11,815,068    | 196,918    | 3,282   | 11.84 dagar    | Isomeric Transition |
| 15 Xe-133               | 2,802,700,000,000  | 7,678,630,137  | 319,942,922   | 5,332,382  | 88,873  | 5.243 dagar    | beta -              |
| 16 Xe-133m              | 10,600,000,000     | 29,041,096     | 1,210,046     | 20,167     | 336     | 2.19 dagar     | Isomeric Transition |
| 17 Xe-135               | 1,083,029,000,000  | 2,967,202,740  | 123,633,447   | 2,060,557  | 34,343  | 9.14 timmar    | beta -              |
| 18 Xe-135m              | 600,179,000,000    | 1,644,326,027  | 68,513,584    | 1,141,893  | 19,032  | 15.29 minuter  | beta -              |
| 19 Xe-137               | 5,010,222,000,000  | 13,726,635,616 | 571,943,151   | 9,532,386  | 158,873 | 3.95 minuter   | gamma/beta          |
| <b>Jod</b>              |                    |                |               |            |         |                |                     |
| 20 I-131                | 20,890,000         | 57,233         | 2,385         | 40         | 1       | 8.01 dagar     | beta -              |
| 21 I-133                | 112,320,000        | 307,726        | 12,822        | 214        | 4       | 20.8 timmar    | beta -              |
| summa                   | 12,358,812,284,110 | 33,859,759,682 | 1,410,823,320 | 23,513,722 | 391,895 |                |                     |

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Källa: <https://www.stralsakerhetsmyndigheten.se/publikationer/rapporter/stralskydd/2005/200519/>

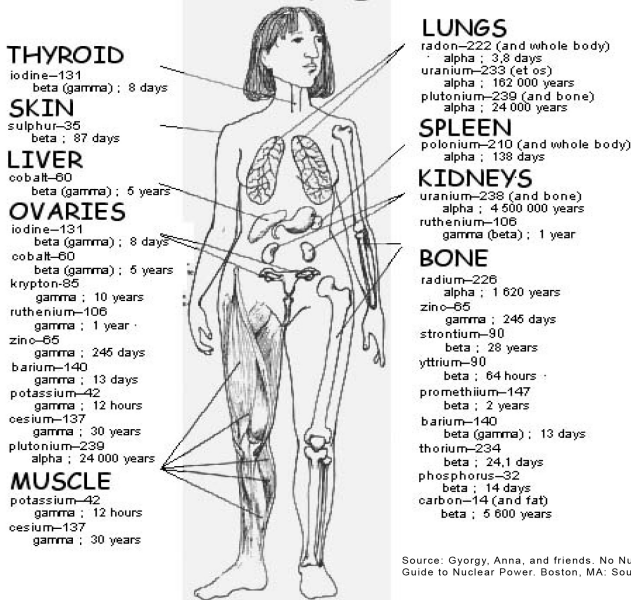
NACKA TINGSRÄTT  
 Avdelning 4  
 INKOM: 2017-10-10  
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**Tabell B.12 Utsläpp till luft angivet i becquerel (Bq) för Forsmark 2004.**

Table B.12 Releases to air for Forsmark for 2004 given in Bq.

| Nuklid           | Block 1  | Block 2  | Block 3  | SFR | Övriga anl. |
|------------------|----------|----------|----------|-----|-------------|
| H-3              | 1,81E+11 | 1,67E+11 | 1,71E+11 |     |             |
| C-14             | 6,91E+11 | 6,71E+11 | 8,62E+11 |     |             |
| Cr-51            |          | 1,79E+07 |          |     | 4,41E+05    |
| Mn-54            |          | 3,22E+06 | 7,57E+05 |     | 8,61E+05    |
| Co-58            | 5,69E+06 | 1,91E+07 | 8,17E+05 |     | 5,84E+05    |
| Co-60            | 1,44E+07 | 1,35E+07 | 6,50E+06 |     | 4,35E+06    |
| Mo-99            | 4,82E+06 | 8,86E+05 |          |     |             |
| Sb-122           | 1,77E+06 | 4,11E+06 |          |     |             |
| Sb-124           |          |          | 5,53E+05 |     |             |
| Am-243           | 1,80E+04 | 2,38E+04 | 9,31E+03 |     |             |
| <b>Ädelgaser</b> |          |          |          |     |             |
| Ar-41            |          | 5,24E+08 | 2,33E+08 |     |             |
| Kr-85m           | 1,57E+10 | 3,70E+09 | 1,07E+09 |     |             |
| Kr-87            | 5,62E+08 | 2,66E+08 |          |     |             |
| Xe-131m          |          | 2,42E+10 | 7,93E+10 |     |             |
| Xe-133           | 2,78E+12 | 2,27E+10 |          |     |             |
| Xe-133m          | 1,06E+10 |          |          |     |             |
| Xe-135           | 1,05E+12 | 3,22E+10 | 8,29E+08 |     |             |
| Xe-135m          | 6,00E+11 | 1,79E+08 |          |     |             |
| Xe-137           | 5,01E+12 | 2,22E+08 |          |     |             |
| <b>Jod</b>       |          |          |          |     |             |
| I-131            | 1,54E+07 | 1,27E+06 | 4,22E+06 |     |             |
| I-133            | 9,96E+07 | 5,72E+06 | 7,00E+06 |     |             |

## IONIZING RADIATION



Source: Gyorgy, Anna, and friends. No Nukes: Everyone's Guide to Nuclear Power. Boston, MA: South End Press, 1980.