

Anlage 2

zu vorstehender Erster Durchführungsbestimmung

Tabelle 1:

Maximal zulässige Konzentrationen radioaktiver Stoffe in Wasser und Luft

| Isotop | Halbwertszeit | M./K in c/1 | | | | | Itadioloxi/iläls- g nippe |
|---------------------------|---------------|-----------------------------------|---|---------------|------------|----------|------------------------------|
| | | Wasser offener Gewässer | | Luft | | | |
| | | Wasser- versorgung- quellen | Arbeitsräume, Naohbarräume, Wohngebiete | Sehnt/gebiete | (Kat. J) | (Kat. I) | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| Triliuin-3 | 12,26 a | 3- 10-7 | 5- IO-» | 5- IO-« | 2- 10-11 | 4 | |
| Beryllium-7 | 53,61 (I | 5- 10-7 | 1 ■ IO-» | 1 • 10-10 | 1 ■ 10-11 | 3 | |
| Kohlenstoff-11 | 20,74 min | — | 3- 10-9 | 3- io-io | 3- 10-11 | 4 | |
| Kohlenstoff-14 | 5568 a | 1- 10-7 | 4 ■ 10-9 | 4 • 10-10 | 2- 10-11 | 4 | |
| Sauerstoff-15 | 2,02 min | — | 1 • 10-9 | 1- 10-10 | 1- 10-11 | 3 | |
| Stickstoff-13 | 10,08 min | — | 2- 10-9 | 2 • 10-10 | 2- 10-11 | 4 | |
| Stickstoff-16 | 7,0 s | — | (0) 10-10 | o- 10-11 | 6- 10-12 | 3 | |
| Stickstoff-17 | 4,14 s | — | 2- 10-9 | 2- 10-10 | 2 • 10-11 | 4 | |
| Fluor-18 | 1,82 h | 1 • 10-7 | 3- 10-3 | 3- 10-10 | 3- 10-11 | 4 | |
| Nnritrim-22 | 2,6 a | 9- 10-9 | !) • 10-12 | 9- 10-13 | 9- 10-14 | 2 | |
| Nalrium-24 | 14,!) h | 8- 10- ³ | 1 ■ 10-10 | 1 • 10-11 | 1 ■ 10-12 | 3 | |
| Sili/iuin-31 | 2,62 h | 6- 10-8 | 1 • 10-9 | 1 ■ io-io | 1- 10-10 | 3 | |
| Phosphor-32 | 14,5 d | 5- 10-3 | 7- io-ii | 7- 10-12 | 7- 10-13 | 3 | |
| Schwefel-35 | 87,1 <1 | 7- 10-3 | 3- ID-io | 3- 10-11 | 1 • 10-12 | 3 | |
| Cblor-36 | 3,08 • 10» a | 7- 10-3 | 2- io-" | 2- 10-12 | 2- 10-13 | 3 | |
| Chlor-38 | 37,7 min | 1- 10-7 | 2- 10-9 | 2- 10-10 | 2- 10-11 | 4 | |
| Argou-37 | 32 d | — | 6- 1(1-0 | o- 10-7 | 6- 10-8 | 4 | |
| Argou-41 | 1,82 h | — | 2- 10-9 | 2- io-io | 1 ■ 10-11 | 4 | |
| Kalium-42 | 12,5 h | 6- 10-9 | 1 • 10-10 | 1 • 10-11 | 1 • 10-12 | 3 | |
| Calzium- ⁴⁵ Ca | 153 d | 3- 10-9 | 3- 10-11 | 3- 10-12 | 3- 10-13 | 3 | |
| Calzium-47 | 4,7 d | 1 ■ 10-8 | 2- 10-10 | 2- 10-11 | 2- 10-12 | 3 | |
| Skandium-46 | 84,1 d | 1 ■ 10-8 | 2- 10-11 | 2- 10-12 | 2- 10-13 | 3 | |
| Skandium-47 | 3,4 d | 3- 10-8 | 5- 10-10 | 5- 10-11 | 5- 10-12 | 3 | |
| Skandium-48 | 1,83 .1 | 8- 10-9 | 1 • 10-10 | 1 • 10-11 | 1- 10-12 | 3 | |
| Vanadium-48 | 16,2 d | 8- 10-9 | 0- 10-11 | 6- 10-12 | ◇ • 10-13 | 3 | |
| Clirom-51 | 27,8 <1 | 5- 10-7 | 2- 10-9 | 2- 10-10 | 2- 10-11 | 4 | |
| Mangan-52 | 5,7 .1 | 9- 10-9 | 1 ■ 10-10 | 1 • 10-11 | 1 • 10-12 | 3 | |
| Mangan-54 | 291 <1 | 3- 10-8 | 4 • 10-11 | 4 • 10-12 | 4 • 10-13 | 3 | |
| Mangan-56 | 2,6 h | 3- 10-8 | 5- 10-10 | 5 • 10-11 | 5- 10-12 | 3 | |
| K i s c n-55 | 2,6 a | 2- 10-8 | 3- 10-10 | 3- 10-11 | 1 • 10-12 | 3 | |
| Eiscn-59 | 45 d | 4- 10-3 | 3- 10-11 | 3- 10-12 | 1 • 10-13 | 3 | |
| Kobalt-57 | 270 d | 1- 10-7 | 2- 10-10 | 2- 10-11 | 2- 10-12 | 3 | |
| Kobalt-55m | 9,1 .1 | 6- 10-7 | 9- 10-3 | !) . lo-io | 9- 10-11 | 4 | |
| Kobalt-58 | 71,3 d | 3- 10-8 | 5- 10-11 | 5- 10-12 | 5- 10-13 | 3 | |
| Kobalt-60 | 5,25 a | 1 • 10-8 | 9- 10-12 | !) • 10-13 | !) . 10-11 | 2 | |
| Nickel-59 | 1 • 10» a | G- 10-8 | 5- IO-IO | 5- 10-11 | 5- 10-12 | 3 | |
| Niekel-03 | 125 a | 8- IO ¹⁹ | 6- 10-11 | 6- 10-12 | 0- 10-13 | 3 | |
| Nickel-65 | 2,56 h | 3- 10-8 | 5- IO-IO | 5- 10-11 | 5- 10-12 | 3 | |
| Kupfer-64 | 12,8 h | 0- 10-8 | 1 • JO-9 | 1- 10-10 | 1 • 10-11 | 3 | |
| Zink-65 | 245 d | 1- 10-8 | 0- 10-11 | 6- 10-12 | n . 10-13 | 3 | |
| Zink-69m | 51 min | 5- 10-7 | 7- 10-3 | 7 • 10-10 | 7 • 10-11 | 4 | |
| Zink-69 | 14 h | 2- 10-8 | 3- 10-10 | 3- 10-11 | 3- 10-12 | 3 | |
| Gallium-72 | 14 h | 1- 10-8 | 2- IO-IO | 2- 10-11 | 2- 10-12 | 3 | |
| Germanium-71 | 11,3 d | 5- 10-7 | G- 10-3 | 6- 10-10 | 6- 10-4 | 4 | |
| Arsen-73 | 76 d | 1- 10-7 | 4- IO-IO | 4 • 10-11 | 4 • 10-12 | 3 | |
| Arsen-74 | 17,5 d | 2- 10-8 | 1 • IO-IO | 1 • 10-11 | 1 ■ 10-12 | 3 | |
| Arsen-76 | 2G,75 h | 6- 10-9 | 1 ■ IO-IO | 1 • 10-11 | 1- 10-12 | 3 | |
| Arsen-77 | 39 h | 2- 10-8 | 4 • IO-IO | 4- 10-11 | 4 • 10-12 | 3 | |
| Selen-75 | 127 d | 8- 10-8 | 1 ■ IO-IO | 1 • 10-11 | 1 • 10-12 | 3 | |
| Brom-82 | 35,87 h | 1- 10-8 | 2- IO-IO | 2- 10-11 | 2- 10-12 | 3 | |
| Krypton-77 | 1,1 h | — | 3- 10-9 | 3- 10-10 | 3- 10-11 | 3 | |
| Krypton-85m | 4,4 h | — | 6- 10-9 | 6- 10-10 | 2- 10-11 | 4 | |