

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Fe-55 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 1,53E-03 | 5,13E-03 | 1,00E-02 | 9,89E-03 | 3,34E-03 | 1,09E-02 | 2,10E-02 | 2,06E-02 |
| 2 | 1,49E-02 | 5,02E-02 | 9,80E-02 | 9,70E-02 | 3,45E-02 | 1,11E-01 | 2,14E-01 | 2,10E-01 |
| 3 | 3,03E-02 | 1,02E-01 | 2,00E-01 | 1,98E-01 | 7,25E-02 | 2,29E-01 | 4,41E-01 | 4,33E-01 |
| 3,5 | 3,49E-02 | 1,18E-01 | 2,30E-01 | 2,28E-01 | 8,48E-02 | 2,65E-01 | 5,11E-01 | 5,01E-01 |
| 4 | 3,77E-02 | 1,27E-01 | 2,49E-01 | 2,47E-01 | 9,30E-02 | 2,88E-01 | 5,53E-01 | 5,43E-01 |
| 5 | 4,02E-02 | 1,36E-01 | 2,65E-01 | 2,63E-01 | 1,02E-01 | 3,09E-01 | 5,91E-01 | 5,80E-01 |
| 6 | 4,09E-02 | 1,38E-01 | 2,70E-01 | 2,67E-01 | 1,06E-01 | 3,15E-01 | 6,02E-01 | 5,90E-01 |
| 7 | 4,11E-02 | 1,39E-01 | 2,71E-01 | 2,68E-01 | 1,09E-01 | 3,17E-01 | 6,05E-01 | 5,93E-01 |
| 8 | 4,12E-02 | 1,39E-01 | 2,71E-01 | 2,68E-01 | 1,10E-01 | 3,19E-01 | 6,06E-01 | 5,93E-01 |
| 9 | 4,12E-02 | 1,39E-01 | 2,71E-01 | 2,68E-01 | 1,12E-01 | 3,20E-01 | 6,07E-01 | 5,94E-01 |
| 10 | 4,12E-02 | 1,39E-01 | 2,71E-01 | 2,69E-01 | 1,13E-01 | 3,20E-01 | 6,07E-01 | 5,94E-01 |
| 11 | 4,13E-02 | 1,39E-01 | 2,71E-01 | 2,69E-01 | 1,14E-01 | 3,21E-01 | 6,08E-01 | 5,94E-01 |
| 12 | 4,13E-02 | 1,39E-01 | 2,72E-01 | 2,69E-01 | 1,15E-01 | 3,21E-01 | 6,08E-01 | 5,95E-01 |
| 13 | 4,14E-02 | 1,39E-01 | 2,72E-01 | 2,69E-01 | 1,16E-01 | 3,22E-01 | 6,08E-01 | 5,95E-01 |
| 14 | 4,14E-02 | 1,39E-01 | 2,72E-01 | 2,69E-01 | 1,17E-01 | 3,22E-01 | 6,09E-01 | 5,95E-01 |
| 15 | 4,15E-02 | 1,39E-01 | 2,72E-01 | 2,69E-01 | 1,17E-01 | 3,23E-01 | 6,09E-01 | 5,95E-01 |
| 20 | 4,17E-02 | 1,40E-01 | 2,72E-01 | 2,69E-01 | 1,20E-01 | 3,24E-01 | 6,10E-01 | 5,95E-01 |
| 30 | 4,22E-02 | 1,40E-01 | 2,73E-01 | 2,70E-01 | 1,22E-01 | 3,26E-01 | 6,10E-01 | 5,96E-01 |
| 40 | 4,26E-02 | 1,41E-01 | 2,74E-01 | 2,71E-01 | 1,24E-01 | 3,27E-01 | 6,11E-01 | 5,96E-01 |
| 45 | 4,28E-02 | 1,41E-01 | 2,74E-01 | 2,71E-01 | 1,25E-01 | 3,28E-01 | 6,12E-01 | 5,96E-01 |
| 50 | 4,31E-02 | 1,41E-01 | 2,75E-01 | 2,71E-01 | 1,26E-01 | 3,28E-01 | 6,12E-01 | 5,96E-01 |
| 60 | 4,35E-02 | 1,42E-01 | 2,75E-01 | 2,72E-01 | 1,28E-01 | 3,30E-01 | 6,12E-01 | 5,97E-01 |
| 70 | 4,39E-02 | 1,42E-01 | 2,76E-01 | 2,73E-01 | 1,29E-01 | 3,31E-01 | 6,13E-01 | 5,97E-01 |
| 80 | 4,44E-02 | 1,43E-01 | 2,77E-01 | 2,73E-01 | 1,30E-01 | 3,32E-01 | 6,14E-01 | 5,97E-01 |
| 90 | 4,48E-02 | 1,43E-01 | 2,78E-01 | 2,74E-01 | 1,32E-01 | 3,33E-01 | 6,14E-01 | 5,97E-01 |
| 100 | 4,52E-02 | 1,44E-01 | 2,78E-01 | 2,75E-01 | 1,33E-01 | 3,34E-01 | 6,15E-01 | 5,98E-01 |
| 120 | 4,60E-02 | 1,45E-01 | 2,80E-01 | 2,76E-01 | 1,35E-01 | 3,35E-01 | 6,15E-01 | 5,98E-01 |
| 180 | 4,83E-02 | 1,48E-01 | 2,84E-01 | 2,80E-01 | 1,40E-01 | 3,39E-01 | 6,17E-01 | 5,99E-01 |
| 200 | 4,90E-02 | 1,49E-01 | 2,85E-01 | 2,81E-01 | 1,41E-01 | 3,40E-01 | 6,18E-01 | 5,99E-01 |
| 300 | 5,23E-02 | 1,53E-01 | 2,91E-01 | 2,86E-01 | 1,46E-01 | 3,43E-01 | 6,20E-01 | 6,00E-01 |
| 360 | 5,41E-02 | 1,56E-01 | 2,94E-01 | 2,89E-01 | 1,47E-01 | 3,44E-01 | 6,20E-01 | 6,01E-01 |
| 365 | 5,43E-02 | 1,56E-01 | 2,94E-01 | 2,89E-01 | 1,48E-01 | 3,44E-01 | 6,20E-01 | 6,01E-01 |
| 400 | 5,53E-02 | 1,57E-01 | 2,96E-01 | 2,91E-01 | 1,48E-01 | 3,45E-01 | 6,21E-01 | 6,01E-01 |
| 500 | 5,79E-02 | 1,60E-01 | 3,00E-01 | 2,95E-01 | 1,50E-01 | 3,46E-01 | 6,22E-01 | 6,01E-01 |
| 600 | 6,02E-02 | 1,63E-01 | 3,05E-01 | 2,98E-01 | 1,52E-01 | 3,48E-01 | 6,22E-01 | 6,02E-01 |
| 700 | 6,24E-02 | 1,66E-01 | 3,08E-01 | 3,02E-01 | 1,53E-01 | 3,48E-01 | 6,23E-01 | 6,02E-01 |
| 800 | 6,43E-02 | 1,69E-01 | 3,12E-01 | 3,05E-01 | 1,54E-01 | 3,49E-01 | 6,23E-01 | 6,02E-01 |
| 900 | 6,60E-02 | 1,71E-01 | 3,15E-01 | 3,07E-01 | 1,55E-01 | 3,50E-01 | 6,24E-01 | 6,03E-01 |
| 1000 | 6,76E-02 | 1,73E-01 | 3,17E-01 | 3,10E-01 | 1,56E-01 | 3,51E-01 | 6,24E-01 | 6,03E-01 |
| 2000 | 7,73E-02 | 1,85E-01 | 3,34E-01 | 3,25E-01 | 1,62E-01 | 3,55E-01 | 6,27E-01 | 6,04E-01 |
| 3000 | 8,11E-02 | 1,90E-01 | 3,41E-01 | 3,31E-01 | 1,64E-01 | 3,56E-01 | 6,28E-01 | 6,05E-01 |
| 4000 | 8,26E-02 | 1,92E-01 | 3,43E-01 | 3,33E-01 | 1,65E-01 | 3,57E-01 | 6,28E-01 | 6,05E-01 |
| 5000 | 8,32E-02 | 1,93E-01 | 3,44E-01 | 3,34E-01 | 1,65E-01 | 3,57E-01 | 6,28E-01 | 6,05E-01 |
| 6000 | 8,34E-02 | 1,93E-01 | 3,45E-01 | 3,34E-01 | 1,65E-01 | 3,57E-01 | 6,28E-01 | 6,05E-01 |
| 8000 | 8,35E-02 | 1,93E-01 | 3,45E-01 | 3,35E-01 | 1,65E-01 | 3,57E-01 | 6,28E-01 | 6,05E-01 |
| 10000 | 8,35E-02 | 1,93E-01 | 3,45E-01 | 3,35E-01 | 1,65E-01 | 3,57E-01 | 6,28E-01 | 6,05E-01 |
| 13500 | 8,36E-02 | 1,93E-01 | 3,45E-01 | 3,35E-01 | 1,65E-01 | 3,57E-01 | 6,28E-01 | 6,05E-01 |
| 14600 | 8,36E-02 | 1,93E-01 | 3,45E-01 | 3,35E-01 | 1,65E-01 | 3,57E-01 | 6,28E-01 | 6,05E-01 |
| 18250 | 8,36E-02 | 1,93E-01 | 3,45E-01 | 3,35E-01 | 1,65E-01 | 3,57E-01 | 6,28E-01 | 6,05E-01 |
| Eff. Dosis | 6,9E-10 | 8,9E-10 | 1,2E-09 | 1,1E-09 | 4,1E-10 | 3,1E-10 | 1,9E-10 | 1,1E-10 |
| Gebärmutter | 1,5E-10 | 1,9E-10 | 2,6E-10 | 2,4E-10 | 7,7E-11 | 5,9E-11 | 3,8E-11 | 2,3E-11 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Fe-55 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,52E-02 | 1,50E-04 |
| 2 | 3,54E-02 | 1,13E-01 | 2,19E-01 | 2,14E-01 | 4,25E-01 | 8,20E-04 |
| 3 | 7,51E-02 | 2,35E-01 | 4,53E-01 | 4,44E-01 | 7,42E-01 | 1,33E-03 |
| 3,5 | 8,81E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 | 8,18E-01 | 1,49E-03 |
| 4 | 9,69E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 | 8,59E-01 | 1,61E-03 |
| 5 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 8,90E-01 | 1,81E-03 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 | 8,97E-01 | 1,99E-03 |
| 7 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 | 8,99E-01 | 2,17E-03 |
| 8 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 | 8,99E-01 | 2,36E-03 |
| 9 | 1,19E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 | 8,99E-01 | 2,55E-03 |
| 10 | 1,21E-01 | 3,31E-01 | 6,25E-01 | 6,10E-01 | 8,99E-01 | 2,74E-03 |
| 11 | 1,22E-01 | 3,32E-01 | 6,25E-01 | 6,11E-01 | 8,99E-01 | 2,93E-03 |
| 12 | 1,24E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 | 8,99E-01 | 3,13E-03 |
| 13 | 1,25E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 | 8,99E-01 | 3,32E-03 |
| 14 | 1,26E-01 | 3,34E-01 | 6,26E-01 | 6,11E-01 | 8,99E-01 | 3,52E-03 |
| 15 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,11E-01 | 8,99E-01 | 3,71E-03 |
| 20 | 1,29E-01 | 3,36E-01 | 6,28E-01 | 6,12E-01 | 8,99E-01 | 4,69E-03 |
| 30 | 1,33E-01 | 3,39E-01 | 6,29E-01 | 6,13E-01 | 8,99E-01 | 6,64E-03 |
| 40 | 1,35E-01 | 3,40E-01 | 6,30E-01 | 6,13E-01 | 9,00E-01 | 8,56E-03 |
| 45 | 1,37E-01 | 3,41E-01 | 6,30E-01 | 6,13E-01 | 9,00E-01 | 9,51E-03 |
| 50 | 1,38E-01 | 3,42E-01 | 6,31E-01 | 6,13E-01 | 9,00E-01 | 1,05E-02 |
| 60 | 1,40E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 | 9,00E-01 | 1,23E-02 |
| 70 | 1,43E-01 | 3,46E-01 | 6,33E-01 | 6,14E-01 | 9,00E-01 | 1,41E-02 |
| 80 | 1,45E-01 | 3,47E-01 | 6,33E-01 | 6,15E-01 | 9,00E-01 | 1,59E-02 |
| 90 | 1,47E-01 | 3,49E-01 | 6,34E-01 | 6,15E-01 | 9,00E-01 | 1,77E-02 |
| 100 | 1,49E-01 | 3,50E-01 | 6,35E-01 | 6,15E-01 | 9,01E-01 | 1,95E-02 |
| 120 | 1,53E-01 | 3,53E-01 | 6,36E-01 | 6,16E-01 | 9,01E-01 | 2,29E-02 |
| 180 | 1,64E-01 | 3,61E-01 | 6,40E-01 | 6,18E-01 | 9,02E-01 | 3,26E-02 |
| 200 | 1,67E-01 | 3,63E-01 | 6,41E-01 | 6,18E-01 | 9,02E-01 | 3,56E-02 |
| 300 | 1,78E-01 | 3,71E-01 | 6,45E-01 | 6,20E-01 | 9,04E-01 | 4,98E-02 |
| 360 | 1,84E-01 | 3,75E-01 | 6,47E-01 | 6,21E-01 | 9,04E-01 | 5,75E-02 |
| 365 | 1,84E-01 | 3,75E-01 | 6,47E-01 | 6,21E-01 | 9,04E-01 | 5,81E-02 |
| 400 | 1,86E-01 | 3,77E-01 | 6,48E-01 | 6,21E-01 | 9,05E-01 | 6,23E-02 |
| 500 | 1,92E-01 | 3,81E-01 | 6,50E-01 | 6,22E-01 | 9,06E-01 | 7,35E-02 |
| 600 | 1,96E-01 | 3,84E-01 | 6,52E-01 | 6,23E-01 | 9,07E-01 | 8,35E-02 |
| 700 | 1,98E-01 | 3,86E-01 | 6,52E-01 | 6,23E-01 | 9,08E-01 | 9,26E-02 |
| 800 | 2,00E-01 | 3,87E-01 | 6,53E-01 | 6,23E-01 | 9,08E-01 | 1,01E-01 |
| 900 | 2,02E-01 | 3,88E-01 | 6,54E-01 | 6,23E-01 | 9,09E-01 | 1,08E-01 |
| 1000 | 2,02E-01 | 3,88E-01 | 6,54E-01 | 6,24E-01 | 9,10E-01 | 1,15E-01 |
| 2000 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,24E-01 | 9,13E-01 | 1,56E-01 |
| 3000 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,24E-01 | 9,15E-01 | 1,72E-01 |
| 4000 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,24E-01 | 9,15E-01 | 1,79E-01 |
| 5000 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,24E-01 | 9,15E-01 | 1,81E-01 |
| 6000 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,24E-01 | 9,15E-01 | 1,82E-01 |
| 8000 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,23E-01 | 9,15E-01 | 1,83E-01 |
| 10000 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,23E-01 | 9,15E-01 | 1,83E-01 |
| 13500 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,23E-01 | 9,15E-01 | 1,83E-01 |
| 14600 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,23E-01 | 9,15E-01 | 1,83E-01 |
| 18250 | 2,05E-01 | 3,90E-01 | 6,54E-01 | 6,23E-01 | 9,15E-01 | 1,83E-01 |
| Eff. Dosis | 3,2E-10 | 2,3E-10 | 1,2E-10 | 5,6E-11 | 2,9E-10 | 2,9E-09 |
| Gebärmutter | 6,89E-12 | 5,2E-12 | 3,1E-12 | 1,7E-12 | 6,4E-11 | 6,4E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Fe-59 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 1,51E-03 | 5,07E-03 | 9,89E-03 | 9,78E-03 | 3,30E-03 | 1,07E-02 | 2,08E-02 | 2,04E-02 |
| 2 | 1,46E-02 | 4,91E-02 | 9,59E-02 | 9,48E-02 | 3,37E-02 | 1,08E-01 | 2,09E-01 | 2,05E-01 |
| 3 | 2,94E-02 | 9,92E-02 | 1,94E-01 | 1,92E-01 | 7,04E-02 | 2,22E-01 | 4,28E-01 | 4,20E-01 |
| 3,5 | 3,38E-02 | 1,14E-01 | 2,23E-01 | 2,21E-01 | 8,21E-02 | 2,57E-01 | 4,95E-01 | 4,85E-01 |
| 4 | 3,65E-02 | 1,23E-01 | 2,41E-01 | 2,38E-01 | 8,99E-02 | 2,78E-01 | 5,35E-01 | 5,25E-01 |
| 5 | 3,88E-02 | 1,31E-01 | 2,56E-01 | 2,53E-01 | 9,80E-02 | 2,98E-01 | 5,70E-01 | 5,59E-01 |
| 6 | 3,94E-02 | 1,33E-01 | 2,60E-01 | 2,57E-01 | 1,02E-01 | 3,03E-01 | 5,80E-01 | 5,69E-01 |
| 7 | 3,96E-02 | 1,34E-01 | 2,61E-01 | 2,58E-01 | 1,04E-01 | 3,06E-01 | 5,83E-01 | 5,71E-01 |
| 8 | 3,97E-02 | 1,34E-01 | 2,61E-01 | 2,59E-01 | 1,06E-01 | 3,07E-01 | 5,84E-01 | 5,72E-01 |
| 9 | 3,97E-02 | 1,34E-01 | 2,61E-01 | 2,59E-01 | 1,07E-01 | 3,08E-01 | 5,85E-01 | 5,72E-01 |
| 10 | 3,97E-02 | 1,34E-01 | 2,62E-01 | 2,59E-01 | 1,08E-01 | 3,08E-01 | 5,85E-01 | 5,72E-01 |
| 11 | 3,98E-02 | 1,34E-01 | 2,62E-01 | 2,59E-01 | 1,09E-01 | 3,09E-01 | 5,85E-01 | 5,73E-01 |
| 12 | 3,98E-02 | 1,34E-01 | 2,62E-01 | 2,59E-01 | 1,10E-01 | 3,09E-01 | 5,86E-01 | 5,73E-01 |
| 13 | 3,99E-02 | 1,34E-01 | 2,62E-01 | 2,59E-01 | 1,11E-01 | 3,10E-01 | 5,86E-01 | 5,73E-01 |
| 14 | 3,99E-02 | 1,34E-01 | 2,62E-01 | 2,59E-01 | 1,11E-01 | 3,10E-01 | 5,86E-01 | 5,73E-01 |
| 15 | 3,99E-02 | 1,34E-01 | 2,62E-01 | 2,59E-01 | 1,12E-01 | 3,10E-01 | 5,86E-01 | 5,73E-01 |
| 20 | 4,01E-02 | 1,34E-01 | 2,62E-01 | 2,59E-01 | 1,14E-01 | 3,11E-01 | 5,87E-01 | 5,73E-01 |
| 30 | 4,04E-02 | 1,35E-01 | 2,63E-01 | 2,60E-01 | 1,15E-01 | 3,12E-01 | 5,87E-01 | 5,74E-01 |
| 40 | 4,07E-02 | 1,35E-01 | 2,63E-01 | 2,60E-01 | 1,16E-01 | 3,13E-01 | 5,88E-01 | 5,74E-01 |
| 45 | 4,08E-02 | 1,35E-01 | 2,63E-01 | 2,60E-01 | 1,17E-01 | 3,14E-01 | 5,88E-01 | 5,74E-01 |
| 50 | 4,09E-02 | 1,35E-01 | 2,64E-01 | 2,61E-01 | 1,17E-01 | 3,14E-01 | 5,88E-01 | 5,74E-01 |
| 60 | 4,11E-02 | 1,36E-01 | 2,64E-01 | 2,61E-01 | 1,18E-01 | 3,14E-01 | 5,88E-01 | 5,74E-01 |
| 70 | 4,13E-02 | 1,36E-01 | 2,64E-01 | 2,61E-01 | 1,19E-01 | 3,15E-01 | 5,88E-01 | 5,74E-01 |
| 80 | 4,14E-02 | 1,36E-01 | 2,64E-01 | 2,61E-01 | 1,19E-01 | 3,15E-01 | 5,88E-01 | 5,74E-01 |
| 90 | 4,15E-02 | 1,36E-01 | 2,64E-01 | 2,61E-01 | 1,19E-01 | 3,15E-01 | 5,89E-01 | 5,74E-01 |
| 100 | 4,16E-02 | 1,36E-01 | 2,65E-01 | 2,62E-01 | 1,20E-01 | 3,15E-01 | 5,89E-01 | 5,74E-01 |
| 120 | 4,17E-02 | 1,36E-01 | 2,65E-01 | 2,62E-01 | 1,20E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 180 | 4,20E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 200 | 4,20E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 300 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 360 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 365 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 400 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 500 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 600 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 700 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 800 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 900 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 1000 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 2000 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 3000 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 4000 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 5000 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 6000 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 8000 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 10000 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 13500 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 14600 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| 18250 | 4,21E-02 | 1,37E-01 | 2,65E-01 | 2,62E-01 | 1,21E-01 | 3,16E-01 | 5,89E-01 | 5,74E-01 |
| Eff. Dosis | 3,1E-09 | 4,1E-09 | 5,6E-09 | 5,0E-09 | 3,2E-09 | 2,5E-09 | 1,7E-09 | 1,1E-09 |
| Gebärmutter | 8,1E-10 | 1,1E-09 | 1,6E-09 | 1,5E-09 | 3,8E-10 | 5,4E-10 | 7,8E-10 | 7,2E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Fe-59 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,36E-03 | 1,09E-02 | 2,11E-02 | 2,07E-02 | 5,45E-02 | 1,49E-04 |
| 2 | 3,46E-02 | 1,11E-01 | 2,14E-01 | 2,10E-01 | 4,16E-01 | 8,03E-04 |
| 3 | 7,29E-02 | 2,28E-01 | 4,39E-01 | 4,31E-01 | 7,21E-01 | 1,30E-03 |
| 3,5 | 8,53E-02 | 2,64E-01 | 5,08E-01 | 4,98E-01 | 7,94E-01 | 1,45E-03 |
| 4 | 9,36E-02 | 2,86E-01 | 5,49E-01 | 5,38E-01 | 8,33E-01 | 1,56E-03 |
| 5 | 1,03E-01 | 3,07E-01 | 5,86E-01 | 5,74E-01 | 8,62E-01 | 1,74E-03 |
| 6 | 1,07E-01 | 3,13E-01 | 5,96E-01 | 5,84E-01 | 8,68E-01 | 1,91E-03 |
| 7 | 1,10E-01 | 3,15E-01 | 5,99E-01 | 5,86E-01 | 8,70E-01 | 2,08E-03 |
| 8 | 1,12E-01 | 3,17E-01 | 6,01E-01 | 5,87E-01 | 8,70E-01 | 2,24E-03 |
| 9 | 1,14E-01 | 3,18E-01 | 6,01E-01 | 5,88E-01 | 8,70E-01 | 2,41E-03 |
| 10 | 1,16E-01 | 3,19E-01 | 6,02E-01 | 5,88E-01 | 8,70E-01 | 2,58E-03 |
| 11 | 1,17E-01 | 3,19E-01 | 6,02E-01 | 5,88E-01 | 8,70E-01 | 2,74E-03 |
| 12 | 1,18E-01 | 3,20E-01 | 6,03E-01 | 5,88E-01 | 8,70E-01 | 2,91E-03 |
| 13 | 1,19E-01 | 3,20E-01 | 6,03E-01 | 5,89E-01 | 8,70E-01 | 3,07E-03 |
| 14 | 1,20E-01 | 3,21E-01 | 6,03E-01 | 5,89E-01 | 8,70E-01 | 3,23E-03 |
| 15 | 1,20E-01 | 3,21E-01 | 6,03E-01 | 5,89E-01 | 8,70E-01 | 3,39E-03 |
| 20 | 1,22E-01 | 3,23E-01 | 6,04E-01 | 5,89E-01 | 8,70E-01 | 4,14E-03 |
| 30 | 1,25E-01 | 3,24E-01 | 6,05E-01 | 5,90E-01 | 8,70E-01 | 5,49E-03 |
| 40 | 1,26E-01 | 3,25E-01 | 6,05E-01 | 5,90E-01 | 8,70E-01 | 6,63E-03 |
| 45 | 1,27E-01 | 3,26E-01 | 6,06E-01 | 5,90E-01 | 8,70E-01 | 7,13E-03 |
| 50 | 1,28E-01 | 3,26E-01 | 6,06E-01 | 5,90E-01 | 8,70E-01 | 7,59E-03 |
| 60 | 1,29E-01 | 3,27E-01 | 6,06E-01 | 5,90E-01 | 8,70E-01 | 8,41E-03 |
| 70 | 1,30E-01 | 3,28E-01 | 6,06E-01 | 5,90E-01 | 8,70E-01 | 9,11E-03 |
| 80 | 1,30E-01 | 3,28E-01 | 6,07E-01 | 5,90E-01 | 8,70E-01 | 9,70E-03 |
| 90 | 1,31E-01 | 3,29E-01 | 6,07E-01 | 5,90E-01 | 8,70E-01 | 1,02E-02 |
| 100 | 1,31E-01 | 3,29E-01 | 6,07E-01 | 5,90E-01 | 8,70E-01 | 1,06E-02 |
| 120 | 1,32E-01 | 3,29E-01 | 6,07E-01 | 5,90E-01 | 8,70E-01 | 1,13E-02 |
| 180 | 1,33E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,24E-02 |
| 200 | 1,33E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,25E-02 |
| 300 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,29E-02 |
| 360 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 365 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 400 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 500 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 600 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 700 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 800 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 900 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 1000 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 2000 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 3000 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 4000 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 5000 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 6000 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 8000 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 10000 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 13500 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 14600 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| 18250 | 1,34E-01 | 3,30E-01 | 6,07E-01 | 5,90E-01 | 8,69E-01 | 1,30E-02 |
| Eff. Dosis | 3,6E-09 | 2,7E-09 | 1,7E-09 | 9,8E-10 | 1,7E-09 | 1,3E-08 |
| Gebärmutter | 1,98E-10 | 4,0E-10 | 6,9E-10 | 6,6E-10 | 1,3E-09 | 3,3E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Sr-90 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,77E-03 | 7,67E-03 | 1,44E-02 | 1,41E-02 | 3,34E-03 | 1,07E-02 | 2,07E-02 | 2,03E-02 |
| 2 | 2,55E-02 | 7,25E-02 | 1,37E-01 | 1,34E-01 | 3,44E-02 | 1,09E-01 | 2,09E-01 | 2,05E-01 |
| 3 | 5,18E-02 | 1,47E-01 | 2,76E-01 | 2,71E-01 | 7,26E-02 | 2,25E-01 | 4,31E-01 | 4,23E-01 |
| 3,5 | 6,04E-02 | 1,70E-01 | 3,19E-01 | 3,13E-01 | 8,51E-02 | 2,61E-01 | 4,99E-01 | 4,89E-01 |
| 4 | 6,62E-02 | 1,85E-01 | 3,46E-01 | 3,39E-01 | 9,34E-02 | 2,83E-01 | 5,41E-01 | 5,30E-01 |
| 5 | 7,27E-02 | 1,99E-01 | 3,72E-01 | 3,64E-01 | 1,03E-01 | 3,03E-01 | 5,78E-01 | 5,67E-01 |
| 6 | 7,60E-02 | 2,05E-01 | 3,82E-01 | 3,73E-01 | 1,07E-01 | 3,10E-01 | 5,89E-01 | 5,77E-01 |
| 7 | 7,81E-02 | 2,08E-01 | 3,86E-01 | 3,77E-01 | 1,10E-01 | 3,13E-01 | 5,93E-01 | 5,80E-01 |
| 8 | 7,96E-02 | 2,10E-01 | 3,88E-01 | 3,80E-01 | 1,12E-01 | 3,15E-01 | 5,94E-01 | 5,81E-01 |
| 9 | 8,09E-02 | 2,12E-01 | 3,90E-01 | 3,81E-01 | 1,14E-01 | 3,16E-01 | 5,95E-01 | 5,82E-01 |
| 10 | 8,20E-02 | 2,13E-01 | 3,92E-01 | 3,83E-01 | 1,16E-01 | 3,17E-01 | 5,96E-01 | 5,82E-01 |
| 11 | 8,30E-02 | 2,14E-01 | 3,94E-01 | 3,84E-01 | 1,17E-01 | 3,18E-01 | 5,97E-01 | 5,83E-01 |
| 12 | 8,38E-02 | 2,15E-01 | 3,95E-01 | 3,85E-01 | 1,18E-01 | 3,18E-01 | 5,97E-01 | 5,83E-01 |
| 13 | 8,45E-02 | 2,16E-01 | 3,96E-01 | 3,86E-01 | 1,19E-01 | 3,19E-01 | 5,98E-01 | 5,83E-01 |
| 14 | 8,52E-02 | 2,17E-01 | 3,97E-01 | 3,87E-01 | 1,20E-01 | 3,20E-01 | 5,98E-01 | 5,83E-01 |
| 15 | 8,58E-02 | 2,17E-01 | 3,98E-01 | 3,88E-01 | 1,21E-01 | 3,20E-01 | 5,98E-01 | 5,84E-01 |
| 20 | 8,82E-02 | 2,20E-01 | 4,02E-01 | 3,91E-01 | 1,24E-01 | 3,22E-01 | 6,00E-01 | 5,85E-01 |
| 30 | 9,11E-02 | 2,24E-01 | 4,06E-01 | 3,95E-01 | 1,28E-01 | 3,25E-01 | 6,02E-01 | 5,86E-01 |
| 40 | 9,27E-02 | 2,26E-01 | 4,08E-01 | 3,97E-01 | 1,31E-01 | 3,27E-01 | 6,03E-01 | 5,86E-01 |
| 45 | 9,32E-02 | 2,26E-01 | 4,09E-01 | 3,98E-01 | 1,32E-01 | 3,28E-01 | 6,04E-01 | 5,87E-01 |
| 50 | 9,36E-02 | 2,27E-01 | 4,10E-01 | 3,98E-01 | 1,34E-01 | 3,29E-01 | 6,04E-01 | 5,87E-01 |
| 60 | 9,42E-02 | 2,27E-01 | 4,11E-01 | 3,99E-01 | 1,36E-01 | 3,31E-01 | 6,05E-01 | 5,87E-01 |
| 70 | 9,45E-02 | 2,28E-01 | 4,11E-01 | 4,00E-01 | 1,38E-01 | 3,33E-01 | 6,06E-01 | 5,88E-01 |
| 80 | 9,48E-02 | 2,28E-01 | 4,12E-01 | 4,00E-01 | 1,40E-01 | 3,34E-01 | 6,07E-01 | 5,88E-01 |
| 90 | 9,51E-02 | 2,28E-01 | 4,12E-01 | 4,00E-01 | 1,42E-01 | 3,36E-01 | 6,07E-01 | 5,89E-01 |
| 100 | 9,53E-02 | 2,29E-01 | 4,12E-01 | 4,01E-01 | 1,44E-01 | 3,37E-01 | 6,08E-01 | 5,89E-01 |
| 120 | 9,57E-02 | 2,29E-01 | 4,13E-01 | 4,01E-01 | 1,47E-01 | 3,39E-01 | 6,09E-01 | 5,89E-01 |
| 180 | 9,65E-02 | 2,30E-01 | 4,14E-01 | 4,02E-01 | 1,54E-01 | 3,44E-01 | 6,12E-01 | 5,91E-01 |
| 200 | 9,67E-02 | 2,30E-01 | 4,14E-01 | 4,02E-01 | 1,56E-01 | 3,46E-01 | 6,13E-01 | 5,91E-01 |
| 300 | 9,74E-02 | 2,31E-01 | 4,16E-01 | 4,03E-01 | 1,62E-01 | 3,50E-01 | 6,15E-01 | 5,92E-01 |
| 360 | 9,77E-02 | 2,32E-01 | 4,16E-01 | 4,04E-01 | 1,64E-01 | 3,52E-01 | 6,16E-01 | 5,93E-01 |
| 365 | 9,78E-02 | 2,32E-01 | 4,16E-01 | 4,04E-01 | 1,64E-01 | 3,52E-01 | 6,16E-01 | 5,93E-01 |
| 400 | 9,79E-02 | 2,32E-01 | 4,16E-01 | 4,04E-01 | 1,65E-01 | 3,52E-01 | 6,16E-01 | 5,93E-01 |
| 500 | 9,82E-02 | 2,32E-01 | 4,17E-01 | 4,04E-01 | 1,67E-01 | 3,53E-01 | 6,17E-01 | 5,93E-01 |
| 600 | 9,84E-02 | 2,32E-01 | 4,17E-01 | 4,05E-01 | 1,68E-01 | 3,54E-01 | 6,17E-01 | 5,93E-01 |
| 700 | 9,86E-02 | 2,33E-01 | 4,17E-01 | 4,05E-01 | 1,68E-01 | 3,54E-01 | 6,17E-01 | 5,93E-01 |
| 800 | 9,88E-02 | 2,33E-01 | 4,18E-01 | 4,05E-01 | 1,68E-01 | 3,55E-01 | 6,17E-01 | 5,93E-01 |
| 900 | 9,89E-02 | 2,33E-01 | 4,18E-01 | 4,05E-01 | 1,69E-01 | 3,55E-01 | 6,17E-01 | 5,93E-01 |
| 1000 | 9,90E-02 | 2,33E-01 | 4,18E-01 | 4,06E-01 | 1,69E-01 | 3,55E-01 | 6,18E-01 | 5,93E-01 |
| 2000 | 1,00E-01 | 2,34E-01 | 4,19E-01 | 4,07E-01 | 1,69E-01 | 3,55E-01 | 6,18E-01 | 5,94E-01 |
| 3000 | 1,01E-01 | 2,35E-01 | 4,20E-01 | 4,08E-01 | 1,70E-01 | 3,56E-01 | 6,18E-01 | 5,94E-01 |
| 4000 | 1,01E-01 | 2,36E-01 | 4,21E-01 | 4,08E-01 | 1,70E-01 | 3,56E-01 | 6,18E-01 | 5,94E-01 |
| 5000 | 1,01E-01 | 2,36E-01 | 4,22E-01 | 4,09E-01 | 1,70E-01 | 3,56E-01 | 6,18E-01 | 5,94E-01 |
| 6000 | 1,02E-01 | 2,36E-01 | 4,22E-01 | 4,09E-01 | 1,70E-01 | 3,56E-01 | 6,18E-01 | 5,94E-01 |
| 8000 | 1,02E-01 | 2,37E-01 | 4,22E-01 | 4,09E-01 | 1,71E-01 | 3,56E-01 | 6,19E-01 | 5,94E-01 |
| 10000 | 1,02E-01 | 2,37E-01 | 4,22E-01 | 4,09E-01 | 1,71E-01 | 3,56E-01 | 6,19E-01 | 5,94E-01 |
| 13500 | 1,02E-01 | 2,37E-01 | 4,23E-01 | 4,10E-01 | 1,71E-01 | 3,56E-01 | 6,19E-01 | 5,94E-01 |
| 14600 | 1,02E-01 | 2,37E-01 | 4,23E-01 | 4,10E-01 | 1,71E-01 | 3,56E-01 | 6,19E-01 | 5,94E-01 |
| 18250 | 1,02E-01 | 2,37E-01 | 4,23E-01 | 4,10E-01 | 1,71E-01 | 3,56E-01 | 6,19E-01 | 5,94E-01 |
| Eff. Dosis | 2,1E-08 | 2,5E-08 | 3,2E-08 | 2,8E-08 | 4,0E-08 | 3,0E-08 | 1,8E-08 | 1,0E-08 |
| Gebärmutter | 7,7E-10 | 9,3E-10 | 1,2E-09 | 1,1E-09 | 5,1E-10 | 4,5E-10 | 3,8E-10 | 2,9E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Sr-90 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA=0,25 | fA=0,01 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 4,97E-02 | 5,85E-02 | 3,79E-03 |
| 2 | 3,55E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,69E-01 | 4,61E-01 | 2,87E-02 |
| 3 | 7,52E-02 | 2,35E-01 | 4,53E-01 | 4,44E-01 | 6,37E-01 | 8,13E-01 | 5,85E-02 |
| 3,5 | 8,82E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 | 7,02E-01 | 8,99E-01 | 7,04E-02 |
| 4 | 9,71E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 | 7,37E-01 | 9,46E-01 | 8,02E-02 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,95E-01 | 7,66E-01 | 9,81E-01 | 9,51E-02 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 | 7,75E-01 | 9,89E-01 | 1,06E-01 |
| 7 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 | 7,78E-01 | 9,91E-01 | 1,14E-01 |
| 8 | 1,18E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 7,80E-01 | 9,91E-01 | 1,21E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,10E-01 | 7,81E-01 | 9,91E-01 | 1,27E-01 |
| 10 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,11E-01 | 7,83E-01 | 9,91E-01 | 1,31E-01 |
| 11 | 1,23E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 | 7,84E-01 | 9,91E-01 | 1,36E-01 |
| 12 | 1,24E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 | 7,85E-01 | 9,91E-01 | 1,39E-01 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 7,85E-01 | 9,91E-01 | 1,43E-01 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 7,86E-01 | 9,91E-01 | 1,46E-01 |
| 15 | 1,27E-01 | 3,35E-01 | 6,27E-01 | 6,12E-01 | 7,87E-01 | 9,91E-01 | 1,48E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,28E-01 | 6,12E-01 | 7,90E-01 | 9,91E-01 | 1,59E-01 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 | 7,93E-01 | 9,92E-01 | 1,72E-01 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 | 7,95E-01 | 9,92E-01 | 1,79E-01 |
| 45 | 1,37E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 | 7,95E-01 | 9,92E-01 | 1,81E-01 |
| 50 | 1,39E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 | 7,96E-01 | 9,92E-01 | 1,83E-01 |
| 60 | 1,41E-01 | 3,45E-01 | 6,32E-01 | 6,14E-01 | 7,96E-01 | 9,92E-01 | 1,85E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,33E-01 | 6,15E-01 | 7,97E-01 | 9,92E-01 | 1,87E-01 |
| 80 | 1,46E-01 | 3,48E-01 | 6,34E-01 | 6,15E-01 | 7,97E-01 | 9,92E-01 | 1,88E-01 |
| 90 | 1,49E-01 | 3,50E-01 | 6,35E-01 | 6,15E-01 | 7,97E-01 | 9,92E-01 | 1,90E-01 |
| 100 | 1,51E-01 | 3,52E-01 | 6,36E-01 | 6,16E-01 | 7,98E-01 | 9,92E-01 | 1,90E-01 |
| 120 | 1,55E-01 | 3,55E-01 | 6,37E-01 | 6,17E-01 | 7,98E-01 | 9,92E-01 | 1,92E-01 |
| 180 | 1,66E-01 | 3,63E-01 | 6,41E-01 | 6,18E-01 | 7,99E-01 | 9,92E-01 | 1,96E-01 |
| 200 | 1,70E-01 | 3,65E-01 | 6,43E-01 | 6,19E-01 | 7,99E-01 | 9,92E-01 | 1,97E-01 |
| 300 | 1,84E-01 | 3,75E-01 | 6,48E-01 | 6,21E-01 | 8,00E-01 | 9,92E-01 | 2,00E-01 |
| 360 | 1,90E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 | 8,00E-01 | 9,92E-01 | 2,01E-01 |
| 365 | 1,91E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 | 8,00E-01 | 9,92E-01 | 2,02E-01 |
| 400 | 1,94E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 | 8,00E-01 | 9,92E-01 | 2,02E-01 |
| 500 | 2,01E-01 | 3,88E-01 | 6,54E-01 | 6,24E-01 | 8,01E-01 | 9,92E-01 | 2,04E-01 |
| 600 | 2,07E-01 | 3,92E-01 | 6,56E-01 | 6,25E-01 | 8,01E-01 | 9,92E-01 | 2,04E-01 |
| 700 | 2,11E-01 | 3,94E-01 | 6,57E-01 | 6,25E-01 | 8,01E-01 | 9,92E-01 | 2,05E-01 |
| 800 | 2,13E-01 | 3,97E-01 | 6,58E-01 | 6,26E-01 | 8,01E-01 | 9,92E-01 | 2,06E-01 |
| 900 | 2,16E-01 | 3,98E-01 | 6,59E-01 | 6,26E-01 | 8,02E-01 | 9,92E-01 | 2,07E-01 |
| 1000 | 2,17E-01 | 3,99E-01 | 6,60E-01 | 6,26E-01 | 8,02E-01 | 9,92E-01 | 2,07E-01 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,61E-01 | 6,27E-01 | 8,03E-01 | 9,92E-01 | 2,12E-01 |
| 3000 | 2,23E-01 | 4,03E-01 | 6,62E-01 | 6,27E-01 | 8,04E-01 | 9,92E-01 | 2,15E-01 |
| 4000 | 2,23E-01 | 4,04E-01 | 6,62E-01 | 6,27E-01 | 8,04E-01 | 9,92E-01 | 2,17E-01 |
| 5000 | 2,24E-01 | 4,04E-01 | 6,62E-01 | 6,28E-01 | 8,04E-01 | 9,92E-01 | 2,18E-01 |
| 6000 | 2,24E-01 | 4,04E-01 | 6,62E-01 | 6,28E-01 | 8,05E-01 | 9,92E-01 | 2,19E-01 |
| 8000 | 2,25E-01 | 4,05E-01 | 6,62E-01 | 6,28E-01 | 8,05E-01 | 9,92E-01 | 2,20E-01 |
| 10000 | 2,26E-01 | 4,05E-01 | 6,63E-01 | 6,28E-01 | 8,05E-01 | 9,92E-01 | 2,21E-01 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,63E-01 | 6,28E-01 | 8,05E-01 | 9,92E-01 | 2,22E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,63E-01 | 6,28E-01 | 8,05E-01 | 9,92E-01 | 2,22E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,63E-01 | 6,28E-01 | 8,05E-01 | 9,92E-01 | 2,22E-01 |
| Eff. Dosis | 5,3E-07 | 3,9E-07 | 2,0E-07 | 9,1E-08 | 2,4E-08 | 1,1E-09 | 9,5E-08 |
| Gebärmutter | 1,8E-10 | 1,7E-10 | 1,6E-10 | 1,3E-10 | 9,6E-10 | 1,7E-10 | 3,4E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Y-90 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,73E-03 | 8,89E-03 | 1,72E-02 | 1,69E-02 | 2,76E-03 | 8,97E-03 | 1,73E-02 | 1,70E-02 |
| 2 | 2,37E-02 | 7,61E-02 | 1,47E-01 | 1,44E-01 | 2,40E-02 | 7,69E-02 | 1,48E-01 | 1,45E-01 |
| 3 | 4,39E-02 | 1,40E-01 | 2,69E-01 | 2,64E-01 | 4,48E-02 | 1,41E-01 | 2,72E-01 | 2,67E-01 |
| 3,5 | 4,90E-02 | 1,56E-01 | 3,00E-01 | 2,94E-01 | 5,04E-02 | 1,58E-01 | 3,03E-01 | 2,97E-01 |
| 4 | 5,19E-02 | 1,64E-01 | 3,16E-01 | 3,10E-01 | 5,36E-02 | 1,66E-01 | 3,20E-01 | 3,14E-01 |
| 5 | 5,41E-02 | 1,71E-01 | 3,28E-01 | 3,22E-01 | 5,66E-02 | 1,73E-01 | 3,32E-01 | 3,26E-01 |
| 6 | 5,47E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,76E-02 | 1,75E-01 | 3,35E-01 | 3,28E-01 |
| 7 | 5,48E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,81E-02 | 1,75E-01 | 3,35E-01 | 3,29E-01 |
| 8 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,84E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 9 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,86E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 10 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,87E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 11 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,88E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 12 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,88E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 13 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 14 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 15 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 20 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 30 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 40 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 45 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 50 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 60 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 70 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 80 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 90 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 100 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 120 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 180 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 200 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 300 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 360 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 365 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 400 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 500 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 600 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 700 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 800 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 900 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 1000 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 2000 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 3000 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 4000 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 5000 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 6000 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 8000 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 10000 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 13500 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 14600 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| 18250 | 5,49E-02 | 1,72E-01 | 3,31E-01 | 3,25E-01 | 5,89E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 |
| Eff. Dosis | 3,7E-10 | 4,1E-10 | 4,9E-10 | 4,2E-10 | 8,8E-10 | 7,6E-10 | 6,8E-10 | 5,1E-10 |
| Gebärmutter | 6,0E-11 | 1,1E-10 | 1,8E-10 | 1,7E-10 | 3,6E-11 | 9,1E-11 | 1,7E-10 | 1,6E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Y-90 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 2,76E-03 | 8,99E-03 | 1,74E-02 | 1,70E-02 | 4,78E-02 | 4,87E-04 |
| 2 | 2,41E-02 | 7,71E-02 | 1,49E-01 | 1,46E-01 | 3,20E-01 | 3,61E-03 |
| 3 | 4,51E-02 | 1,42E-01 | 2,73E-01 | 2,67E-01 | 5,09E-01 | 6,42E-03 |
| 3,5 | 5,07E-02 | 1,58E-01 | 3,04E-01 | 2,98E-01 | 5,46E-01 | 7,26E-03 |
| 4 | 5,41E-02 | 1,67E-01 | 3,21E-01 | 3,14E-01 | 5,64E-01 | 7,85E-03 |
| 5 | 5,72E-02 | 1,74E-01 | 3,33E-01 | 3,26E-01 | 5,76E-01 | 8,59E-03 |
| 6 | 5,84E-02 | 1,76E-01 | 3,36E-01 | 3,29E-01 | 5,78E-01 | 9,04E-03 |
| 7 | 5,90E-02 | 1,76E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,32E-03 |
| 8 | 5,93E-02 | 1,76E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,51E-03 |
| 9 | 5,95E-02 | 1,76E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,63E-03 |
| 10 | 5,97E-02 | 1,76E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,71E-03 |
| 11 | 5,98E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,76E-03 |
| 12 | 5,98E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,79E-03 |
| 13 | 5,99E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,81E-03 |
| 14 | 5,99E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,83E-03 |
| 15 | 5,99E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,84E-03 |
| 20 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 30 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 40 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 45 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 50 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 60 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 70 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 80 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 90 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 100 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 120 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 180 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 200 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 300 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 360 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 365 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 400 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 500 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 600 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 700 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 800 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 900 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 1000 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 2000 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 3000 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 4000 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 5000 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 6000 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 8000 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 10000 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 13500 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 14600 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| 18250 | 6,00E-02 | 1,77E-01 | 3,37E-01 | 3,30E-01 | 5,78E-01 | 9,85E-03 |
| Eff. Dosis | 1,0E-09 | 8,5E-10 | 7,3E-10 | 5,4E-10 | 5,6E-10 | 6,2E-10 |
| Gebärmutter | 3,0E-11 | 8,7E-11 | 1,7E-10 | 1,6E-10 | 2,8E-10 | 2,4E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pm-147 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,37E-03 | 1,10E-02 | 2,12E-02 | 2,08E-02 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,49E-02 | 1,12E-01 | 2,16E-01 | 2,12E-01 | 3,54E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,28E-02 | 2,32E-01 | 4,47E-01 | 4,39E-01 | 7,47E-02 | 2,35E-01 | 4,52E-01 | 4,43E-01 |
| 3,5 | 8,46E-02 | 2,68E-01 | 5,17E-01 | 5,08E-01 | 8,75E-02 | 2,72E-01 | 5,23E-01 | 5,13E-01 |
| 4 | 9,19E-02 | 2,91E-01 | 5,60E-01 | 5,50E-01 | 9,61E-02 | 2,96E-01 | 5,67E-01 | 5,56E-01 |
| 5 | 9,87E-02 | 3,11E-01 | 5,98E-01 | 5,87E-01 | 1,05E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 |
| 6 | 1,01E-01 | 3,16E-01 | 6,08E-01 | 5,97E-01 | 1,10E-01 | 3,23E-01 | 6,17E-01 | 6,05E-01 |
| 7 | 1,01E-01 | 3,18E-01 | 6,11E-01 | 6,00E-01 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 |
| 8 | 1,02E-01 | 3,18E-01 | 6,11E-01 | 6,00E-01 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,08E-01 |
| 9 | 1,02E-01 | 3,18E-01 | 6,12E-01 | 6,00E-01 | 1,16E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 10 | 1,02E-01 | 3,18E-01 | 6,12E-01 | 6,00E-01 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 11 | 1,02E-01 | 3,18E-01 | 6,12E-01 | 6,00E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 12 | 1,02E-01 | 3,18E-01 | 6,12E-01 | 6,00E-01 | 1,19E-01 | 3,30E-01 | 6,24E-01 | 6,09E-01 |
| 13 | 1,02E-01 | 3,19E-01 | 6,12E-01 | 6,00E-01 | 1,20E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 14 | 1,03E-01 | 3,19E-01 | 6,12E-01 | 6,00E-01 | 1,21E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 15 | 1,03E-01 | 3,19E-01 | 6,12E-01 | 6,00E-01 | 1,22E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 20 | 1,03E-01 | 3,19E-01 | 6,12E-01 | 6,01E-01 | 1,24E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 30 | 1,05E-01 | 3,20E-01 | 6,13E-01 | 6,01E-01 | 1,27E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 40 | 1,05E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 | 1,29E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 45 | 1,06E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 | 1,30E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 50 | 1,06E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 | 1,31E-01 | 3,38E-01 | 6,28E-01 | 6,11E-01 |
| 60 | 1,07E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 | 1,33E-01 | 3,39E-01 | 6,28E-01 | 6,12E-01 |
| 70 | 1,07E-01 | 3,22E-01 | 6,14E-01 | 6,01E-01 | 1,35E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 80 | 1,08E-01 | 3,22E-01 | 6,14E-01 | 6,01E-01 | 1,36E-01 | 3,42E-01 | 6,30E-01 | 6,12E-01 |
| 90 | 1,08E-01 | 3,22E-01 | 6,14E-01 | 6,01E-01 | 1,38E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 |
| 100 | 1,08E-01 | 3,22E-01 | 6,14E-01 | 6,02E-01 | 1,39E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 120 | 1,08E-01 | 3,23E-01 | 6,14E-01 | 6,02E-01 | 1,41E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 180 | 1,09E-01 | 3,23E-01 | 6,14E-01 | 6,02E-01 | 1,46E-01 | 3,49E-01 | 6,33E-01 | 6,14E-01 |
| 200 | 1,09E-01 | 3,23E-01 | 6,14E-01 | 6,02E-01 | 1,47E-01 | 3,50E-01 | 6,34E-01 | 6,14E-01 |
| 300 | 1,10E-01 | 3,24E-01 | 6,15E-01 | 6,02E-01 | 1,51E-01 | 3,52E-01 | 6,35E-01 | 6,15E-01 |
| 360 | 1,10E-01 | 3,24E-01 | 6,15E-01 | 6,02E-01 | 1,52E-01 | 3,53E-01 | 6,35E-01 | 6,15E-01 |
| 365 | 1,10E-01 | 3,24E-01 | 6,15E-01 | 6,02E-01 | 1,53E-01 | 3,53E-01 | 6,35E-01 | 6,15E-01 |
| 400 | 1,10E-01 | 3,24E-01 | 6,15E-01 | 6,02E-01 | 1,53E-01 | 3,54E-01 | 6,36E-01 | 6,15E-01 |
| 500 | 1,11E-01 | 3,24E-01 | 6,15E-01 | 6,02E-01 | 1,54E-01 | 3,54E-01 | 6,36E-01 | 6,15E-01 |
| 600 | 1,11E-01 | 3,25E-01 | 6,15E-01 | 6,02E-01 | 1,54E-01 | 3,55E-01 | 6,36E-01 | 6,15E-01 |
| 700 | 1,11E-01 | 3,25E-01 | 6,15E-01 | 6,02E-01 | 1,55E-01 | 3,55E-01 | 6,36E-01 | 6,15E-01 |
| 800 | 1,12E-01 | 3,25E-01 | 6,15E-01 | 6,02E-01 | 1,55E-01 | 3,55E-01 | 6,36E-01 | 6,15E-01 |
| 900 | 1,12E-01 | 3,25E-01 | 6,15E-01 | 6,02E-01 | 1,55E-01 | 3,55E-01 | 6,36E-01 | 6,15E-01 |
| 1000 | 1,12E-01 | 3,25E-01 | 6,15E-01 | 6,02E-01 | 1,55E-01 | 3,55E-01 | 6,36E-01 | 6,15E-01 |
| 2000 | 1,13E-01 | 3,26E-01 | 6,16E-01 | 6,02E-01 | 1,56E-01 | 3,56E-01 | 6,37E-01 | 6,15E-01 |
| 3000 | 1,14E-01 | 3,26E-01 | 6,16E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,37E-01 | 6,15E-01 |
| 4000 | 1,14E-01 | 3,26E-01 | 6,15E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,37E-01 | 6,15E-01 |
| 5000 | 1,14E-01 | 3,26E-01 | 6,15E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,36E-01 | 6,15E-01 |
| 6000 | 1,14E-01 | 3,26E-01 | 6,15E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,36E-01 | 6,15E-01 |
| 8000 | 1,14E-01 | 3,26E-01 | 6,15E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,36E-01 | 6,15E-01 |
| 10000 | 1,14E-01 | 3,26E-01 | 6,15E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,36E-01 | 6,15E-01 |
| 13500 | 1,14E-01 | 3,26E-01 | 6,15E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,36E-01 | 6,15E-01 |
| 14600 | 1,14E-01 | 3,26E-01 | 6,15E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,36E-01 | 6,15E-01 |
| 18250 | 1,14E-01 | 3,26E-01 | 6,15E-01 | 6,02E-01 | 1,57E-01 | 3,56E-01 | 6,36E-01 | 6,15E-01 |
| Eff. Dosis | 2,5E-09 | 1,8E-09 | 1,1E-09 | 5,9E-10 | 3,0E-09 | 2,2E-09 | 1,2E-09 | 6,5E-10 |
| Gebärmutter | 2,7E-10 | 1,9E-10 | 1,1E-10 | 5,7E-11 | 1,8E-10 | 1,3E-10 | 6,8E-11 | 3,3E-11 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pm-147 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 7,61E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,64E-01 | 4,73E-03 |
| 3 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 | 8,19E-01 | 8,45E-03 |
| 3,5 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 | 9,05E-01 | 9,72E-03 |
| 4 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 | 9,52E-01 | 1,07E-02 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 | 9,88E-01 | 1,22E-02 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 | 9,96E-01 | 1,33E-02 |
| 7 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 | 9,98E-01 | 1,44E-02 |
| 8 | 1,17E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 | 9,98E-01 | 1,53E-02 |
| 9 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 | 9,98E-01 | 1,62E-02 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 | 9,98E-01 | 1,71E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 | 9,98E-01 | 1,80E-02 |
| 12 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,98E-01 | 1,88E-02 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 9,98E-01 | 1,96E-02 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 9,98E-01 | 2,04E-02 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 | 9,98E-01 | 2,12E-02 |
| 20 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 | 9,98E-01 | 2,49E-02 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 | 9,98E-01 | 3,11E-02 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 | 9,98E-01 | 3,60E-02 |
| 45 | 1,37E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 | 9,98E-01 | 3,80E-02 |
| 50 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 | 9,98E-01 | 3,99E-02 |
| 60 | 1,41E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 9,98E-01 | 4,30E-02 |
| 70 | 1,43E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 | 9,98E-01 | 4,55E-02 |
| 80 | 1,45E-01 | 3,48E-01 | 6,34E-01 | 6,15E-01 | 9,98E-01 | 4,75E-02 |
| 90 | 1,48E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,98E-01 | 4,92E-02 |
| 100 | 1,50E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 | 9,98E-01 | 5,06E-02 |
| 120 | 1,54E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 | 9,98E-01 | 5,26E-02 |
| 180 | 1,64E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 | 9,98E-01 | 5,62E-02 |
| 200 | 1,67E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 | 9,98E-01 | 5,69E-02 |
| 300 | 1,78E-01 | 3,72E-01 | 6,46E-01 | 6,21E-01 | 9,98E-01 | 5,98E-02 |
| 360 | 1,84E-01 | 3,75E-01 | 6,48E-01 | 6,21E-01 | 9,98E-01 | 6,12E-02 |
| 365 | 1,84E-01 | 3,76E-01 | 6,48E-01 | 6,21E-01 | 9,98E-01 | 6,14E-02 |
| 400 | 1,86E-01 | 3,77E-01 | 6,49E-01 | 6,22E-01 | 9,98E-01 | 6,22E-02 |
| 500 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 9,98E-01 | 6,43E-02 |
| 600 | 1,96E-01 | 3,84E-01 | 6,52E-01 | 6,23E-01 | 9,98E-01 | 6,62E-02 |
| 700 | 1,98E-01 | 3,86E-01 | 6,53E-01 | 6,24E-01 | 9,98E-01 | 6,79E-02 |
| 800 | 2,00E-01 | 3,87E-01 | 6,54E-01 | 6,24E-01 | 9,98E-01 | 6,94E-02 |
| 900 | 2,01E-01 | 3,88E-01 | 6,54E-01 | 6,24E-01 | 9,98E-01 | 7,08E-02 |
| 1000 | 2,02E-01 | 3,88E-01 | 6,54E-01 | 6,24E-01 | 9,98E-01 | 7,21E-02 |
| 2000 | 2,04E-01 | 3,89E-01 | 6,55E-01 | 6,24E-01 | 9,97E-01 | 7,96E-02 |
| 3000 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 8,25E-02 |
| 4000 | 2,04E-01 | 3,89E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 8,37E-02 |
| 5000 | 2,04E-01 | 3,89E-01 | 6,54E-01 | 6,24E-01 | 9,96E-01 | 8,42E-02 |
| 6000 | 2,04E-01 | 3,89E-01 | 6,54E-01 | 6,24E-01 | 9,96E-01 | 8,44E-02 |
| 8000 | 2,04E-01 | 3,89E-01 | 6,54E-01 | 6,24E-01 | 9,96E-01 | 8,45E-02 |
| 10000 | 2,04E-01 | 3,89E-01 | 6,54E-01 | 6,24E-01 | 9,96E-01 | 8,45E-02 |
| 13500 | 2,04E-01 | 3,89E-01 | 6,54E-01 | 6,24E-01 | 9,96E-01 | 8,45E-02 |
| 14600 | 2,04E-01 | 3,89E-01 | 6,54E-01 | 6,24E-01 | 9,96E-01 | 8,45E-02 |
| 18250 | 2,04E-01 | 3,89E-01 | 6,54E-01 | 6,24E-01 | 9,96E-01 | 8,45E-02 |
| Eff. Dosis | 5,5E-09 | 4,1E-09 | 2,5E-09 | 1,4E-09 | 8,5E-12 | 1,4E-08 |
| Gebärmutter | 1,61E-11 | 1,2E-11 | 6,5E-12 | 3,3E-12 | 1,6E-12 | 1,5E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pm-147 | | Inhalation Dioxid | | | | Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat | | | |
|-------------|----------|-------------------|----------|----------|----------|--|----------|----------|--|
| Zeit (d) | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 3,52E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 | |
| 3 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 | 7,40E-02 | 2,34E-01 | 4,50E-01 | 4,42E-01 | |
| 3,5 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 | 8,64E-02 | 2,71E-01 | 5,21E-01 | 5,11E-01 | |
| 4 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 | 9,45E-02 | 2,94E-01 | 5,65E-01 | 5,54E-01 | |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 | 1,03E-01 | 3,14E-01 | 6,03E-01 | 5,92E-01 | |
| 6 | 1,12E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,06E-01 | 3,21E-01 | 6,14E-01 | 6,02E-01 | |
| 7 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 | 1,08E-01 | 3,23E-01 | 6,17E-01 | 6,05E-01 | |
| 8 | 1,18E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 | 1,10E-01 | 3,24E-01 | 6,18E-01 | 6,05E-01 | |
| 9 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 | 1,11E-01 | 3,24E-01 | 6,18E-01 | 6,06E-01 | |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 | |
| 11 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 | |
| 12 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 1,13E-01 | 3,26E-01 | 6,19E-01 | 6,06E-01 | |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 1,14E-01 | 3,26E-01 | 6,19E-01 | 6,06E-01 | |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 1,14E-01 | 3,27E-01 | 6,20E-01 | 6,06E-01 | |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 | 1,15E-01 | 3,27E-01 | 6,20E-01 | 6,06E-01 | |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 | 1,16E-01 | 3,28E-01 | 6,20E-01 | 6,07E-01 | |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 | 1,19E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 | 1,21E-01 | 3,31E-01 | 6,22E-01 | 6,07E-01 | |
| 45 | 1,37E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 | 1,21E-01 | 3,31E-01 | 6,22E-01 | 6,08E-01 | |
| 50 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 | 1,22E-01 | 3,32E-01 | 6,23E-01 | 6,08E-01 | |
| 60 | 1,41E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 | 1,24E-01 | 3,33E-01 | 6,23E-01 | 6,08E-01 | |
| 70 | 1,43E-01 | 3,46E-01 | 6,34E-01 | 6,15E-01 | 1,25E-01 | 3,34E-01 | 6,24E-01 | 6,08E-01 | |
| 80 | 1,45E-01 | 3,48E-01 | 6,34E-01 | 6,15E-01 | 1,26E-01 | 3,35E-01 | 6,24E-01 | 6,08E-01 | |
| 90 | 1,47E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 1,27E-01 | 3,36E-01 | 6,24E-01 | 6,09E-01 | |
| 100 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 | 1,29E-01 | 3,36E-01 | 6,25E-01 | 6,09E-01 | |
| 120 | 1,53E-01 | 3,53E-01 | 6,37E-01 | 6,17E-01 | 1,31E-01 | 3,38E-01 | 6,26E-01 | 6,09E-01 | |
| 180 | 1,62E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 | 1,35E-01 | 3,41E-01 | 6,27E-01 | 6,10E-01 | |
| 200 | 1,65E-01 | 3,62E-01 | 6,41E-01 | 6,18E-01 | 1,37E-01 | 3,42E-01 | 6,28E-01 | 6,10E-01 | |
| 300 | 1,75E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 | 1,41E-01 | 3,46E-01 | 6,29E-01 | 6,11E-01 | |
| 360 | 1,79E-01 | 3,72E-01 | 6,46E-01 | 6,21E-01 | 1,43E-01 | 3,47E-01 | 6,30E-01 | 6,11E-01 | |
| 365 | 1,79E-01 | 3,72E-01 | 6,46E-01 | 6,21E-01 | 1,43E-01 | 3,47E-01 | 6,30E-01 | 6,11E-01 | |
| 400 | 1,81E-01 | 3,73E-01 | 6,47E-01 | 6,21E-01 | 1,44E-01 | 3,48E-01 | 6,30E-01 | 6,11E-01 | |
| 500 | 1,85E-01 | 3,76E-01 | 6,48E-01 | 6,22E-01 | 1,46E-01 | 3,49E-01 | 6,31E-01 | 6,12E-01 | |
| 600 | 1,88E-01 | 3,78E-01 | 6,49E-01 | 6,22E-01 | 1,47E-01 | 3,50E-01 | 6,32E-01 | 6,12E-01 | |
| 700 | 1,89E-01 | 3,79E-01 | 6,50E-01 | 6,22E-01 | 1,48E-01 | 3,50E-01 | 6,32E-01 | 6,12E-01 | |
| 800 | 1,90E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 | 1,49E-01 | 3,51E-01 | 6,32E-01 | 6,12E-01 | |
| 900 | 1,91E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 | 1,49E-01 | 3,51E-01 | 6,32E-01 | 6,12E-01 | |
| 1000 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,22E-01 | 1,49E-01 | 3,51E-01 | 6,32E-01 | 6,12E-01 | |
| 2000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 | 1,50E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| 3000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,12E-01 | |
| 4000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| 5000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| 6000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| 8000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| 10000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| 13500 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| 14600 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| 18250 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 1,51E-01 | 3,52E-01 | 6,32E-01 | 6,12E-01 | |
| Eff. Dosis | 4,2E-09 | 3,1E-09 | 1,9E-09 | 1,1E-09 | 3,2E-09 | 2,3E-09 | 1,4E-09 | 7,7E-10 | |
| Gebärmutter | 7,8E-11 | 5,6E-11 | 2,9E-11 | 1,3E-11 | 1,8E-10 | 1,3E-10 | 7,3E-11 | 3,7E-11 | |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Lu-177 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,10E-03 | 1,01E-02 | 1,95E-02 | 1,91E-02 | 3,13E-03 | 1,02E-02 | 1,96E-02 | 1,93E-02 |
| 2 | 2,98E-02 | 9,58E-02 | 1,85E-01 | 1,81E-01 | 3,03E-02 | 9,69E-02 | 1,87E-01 | 1,83E-01 |
| 3 | 5,92E-02 | 1,89E-01 | 3,64E-01 | 3,57E-01 | 6,07E-02 | 1,91E-01 | 3,68E-01 | 3,61E-01 |
| 3,5 | 6,76E-02 | 2,15E-01 | 4,14E-01 | 4,07E-01 | 6,99E-02 | 2,18E-01 | 4,19E-01 | 4,11E-01 |
| 4 | 7,25E-02 | 2,30E-01 | 4,43E-01 | 4,35E-01 | 7,57E-02 | 2,34E-01 | 4,49E-01 | 4,40E-01 |
| 5 | 7,67E-02 | 2,43E-01 | 4,67E-01 | 4,59E-01 | 8,14E-02 | 2,47E-01 | 4,73E-01 | 4,64E-01 |
| 6 | 7,78E-02 | 2,46E-01 | 4,73E-01 | 4,64E-01 | 8,39E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 |
| 7 | 7,81E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,52E-02 | 2,52E-01 | 4,81E-01 | 4,71E-01 |
| 8 | 7,82E-02 | 2,46E-01 | 4,75E-01 | 4,66E-01 | 8,61E-02 | 2,53E-01 | 4,82E-01 | 4,72E-01 |
| 9 | 7,82E-02 | 2,46E-01 | 4,75E-01 | 4,66E-01 | 8,68E-02 | 2,53E-01 | 4,82E-01 | 4,72E-01 |
| 10 | 7,82E-02 | 2,46E-01 | 4,75E-01 | 4,66E-01 | 8,73E-02 | 2,53E-01 | 4,82E-01 | 4,72E-01 |
| 11 | 7,82E-02 | 2,46E-01 | 4,75E-01 | 4,66E-01 | 8,77E-02 | 2,54E-01 | 4,82E-01 | 4,72E-01 |
| 12 | 7,82E-02 | 2,46E-01 | 4,75E-01 | 4,66E-01 | 8,80E-02 | 2,54E-01 | 4,82E-01 | 4,72E-01 |
| 13 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,82E-02 | 2,54E-01 | 4,82E-01 | 4,72E-01 |
| 14 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,83E-02 | 2,54E-01 | 4,82E-01 | 4,72E-01 |
| 15 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,85E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 20 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,88E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 30 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,90E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 40 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 45 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 50 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 60 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,66E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 70 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 80 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 90 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 100 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 120 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 180 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 200 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 300 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 360 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 365 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 400 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 500 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 600 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 700 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 800 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 900 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 1000 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 2000 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 3000 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 4000 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 5000 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 6000 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 8000 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 10000 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 13500 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 14600 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| 18250 | 7,82E-02 | 2,46E-01 | 4,74E-01 | 4,65E-01 | 8,91E-02 | 2,54E-01 | 4,83E-01 | 4,72E-01 |
| Eff. Dosis | 1,6E-10 | 1,3E-10 | 1,3E-10 | 9,8E-11 | 4,9E-10 | 3,4E-10 | 2,5E-10 | 1,6E-10 |
| Gebärmutter | 1,9E-11 | 2,3E-11 | 2,9E-11 | 2,6E-11 | 8,2E-12 | 1,5E-11 | 2,5E-11 | 2,4E-11 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Lu-177 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,13E-03 | 1,02E-02 | 1,97E-02 | 1,93E-02 | 5,41E-02 | 6,95E-04 |
| 2 | 3,04E-02 | 9,71E-02 | 1,87E-01 | 1,84E-01 | 3,99E-01 | 3,93E-03 |
| 3 | 6,11E-02 | 1,92E-01 | 3,69E-01 | 3,62E-01 | 6,75E-01 | 6,42E-03 |
| 3,5 | 7,05E-02 | 2,19E-01 | 4,20E-01 | 4,12E-01 | 7,37E-01 | 7,08E-03 |
| 4 | 7,64E-02 | 2,35E-01 | 4,50E-01 | 4,41E-01 | 7,69E-01 | 7,50E-03 |
| 5 | 8,26E-02 | 2,48E-01 | 4,75E-01 | 4,65E-01 | 7,91E-01 | 7,92E-03 |
| 6 | 8,54E-02 | 2,52E-01 | 4,81E-01 | 4,71E-01 | 7,96E-01 | 8,10E-03 |
| 7 | 8,70E-02 | 2,54E-01 | 4,83E-01 | 4,73E-01 | 7,97E-01 | 8,20E-03 |
| 8 | 8,81E-02 | 2,54E-01 | 4,84E-01 | 4,73E-01 | 7,97E-01 | 8,26E-03 |
| 9 | 8,90E-02 | 2,55E-01 | 4,84E-01 | 4,74E-01 | 7,97E-01 | 8,31E-03 |
| 10 | 8,96E-02 | 2,55E-01 | 4,84E-01 | 4,74E-01 | 7,97E-01 | 8,35E-03 |
| 11 | 9,01E-02 | 2,55E-01 | 4,84E-01 | 4,74E-01 | 7,97E-01 | 8,39E-03 |
| 12 | 9,04E-02 | 2,56E-01 | 4,84E-01 | 4,74E-01 | 7,97E-01 | 8,42E-03 |
| 13 | 9,07E-02 | 2,56E-01 | 4,84E-01 | 4,74E-01 | 7,97E-01 | 8,45E-03 |
| 14 | 9,09E-02 | 2,56E-01 | 4,84E-01 | 4,74E-01 | 7,97E-01 | 8,47E-03 |
| 15 | 9,11E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,49E-03 |
| 20 | 9,16E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,57E-03 |
| 30 | 9,19E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,63E-03 |
| 40 | 9,19E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 45 | 9,19E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 50 | 9,19E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 60 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 70 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 80 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 90 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 100 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 120 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 180 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 200 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 300 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 360 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 365 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 400 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 500 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 600 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 700 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 800 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 900 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 1000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 2000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 3000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 4000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 5000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 6000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 8000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 10000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 13500 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 14600 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| 18250 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 7,96E-01 | 8,65E-03 |
| Eff. Dosis | 5,9E-10 | 4,0E-10 | 2,9E-10 | 1,8E-10 | 3,6E-11 | 2,4E-10 |
| Gebärmutter | 4,74E-12 | 1,3E-11 | 2,4E-11 | 2,3E-11 | 3,9E-11 | 9,9E-11 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Lu-177 | | Inhalation Dioxid | | | | Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat | | | |
|-------------|----------|-------------------|----------|----------|----------|--|----------|----------|--|
| Zeit (d) | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm | |
| 1 | 3,14E-03 | 1,02E-02 | 1,97E-02 | 1,93E-02 | 3,12E-03 | 1,01E-02 | 1,96E-02 | 1,92E-02 | |
| 2 | 3,04E-02 | 9,71E-02 | 1,87E-01 | 1,84E-01 | 3,01E-02 | 9,65E-02 | 1,86E-01 | 1,83E-01 | |
| 3 | 6,11E-02 | 1,92E-01 | 3,69E-01 | 3,62E-01 | 6,01E-02 | 1,90E-01 | 3,66E-01 | 3,59E-01 | |
| 3,5 | 7,05E-02 | 2,19E-01 | 4,20E-01 | 4,12E-01 | 6,90E-02 | 2,17E-01 | 4,17E-01 | 4,09E-01 | |
| 4 | 7,65E-02 | 2,35E-01 | 4,50E-01 | 4,41E-01 | 7,45E-02 | 2,32E-01 | 4,47E-01 | 4,38E-01 | |
| 5 | 8,26E-02 | 2,48E-01 | 4,75E-01 | 4,65E-01 | 7,97E-02 | 2,45E-01 | 4,71E-01 | 4,62E-01 | |
| 6 | 8,54E-02 | 2,52E-01 | 4,81E-01 | 4,71E-01 | 8,16E-02 | 2,49E-01 | 4,77E-01 | 4,68E-01 | |
| 7 | 8,71E-02 | 2,54E-01 | 4,83E-01 | 4,73E-01 | 8,26E-02 | 2,50E-01 | 4,79E-01 | 4,69E-01 | |
| 8 | 8,82E-02 | 2,54E-01 | 4,84E-01 | 4,73E-01 | 8,32E-02 | 2,50E-01 | 4,79E-01 | 4,70E-01 | |
| 9 | 8,90E-02 | 2,55E-01 | 4,84E-01 | 4,74E-01 | 8,36E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 10 | 8,97E-02 | 2,55E-01 | 4,84E-01 | 4,74E-01 | 8,39E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 11 | 9,01E-02 | 2,55E-01 | 4,84E-01 | 4,74E-01 | 8,42E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 12 | 9,05E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,44E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 13 | 9,08E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,45E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 14 | 9,10E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,46E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 15 | 9,12E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,47E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 20 | 9,17E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,49E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 30 | 9,19E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 40 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 45 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 50 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,80E-01 | 4,70E-01 | |
| 60 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 70 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 80 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 90 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 100 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 120 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 180 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 200 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 300 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 360 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 365 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 400 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 500 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 600 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 700 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 800 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 900 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 1000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 2000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 3000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 4000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 5000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 6000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 8000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 10000 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 13500 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 14600 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| 18250 | 9,20E-02 | 2,56E-01 | 4,85E-01 | 4,74E-01 | 8,51E-02 | 2,51E-01 | 4,79E-01 | 4,70E-01 | |
| Eff. Dosis | 5,9E-10 | 4,0E-10 | 2,9E-10 | 1,8E-10 | 3,8E-10 | 2,7E-10 | 2,1E-10 | 1,4E-10 | |
| Gebärmutter | 4,7E-12 | 1,3E-11 | 2,4E-11 | 2,3E-11 | 1,2E-11 | 1,8E-11 | 2,7E-11 | 2,5E-11 | |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Lu-177m | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,37E-03 | 1,09E-02 | 2,11E-02 | 2,07E-02 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 3,47E-02 | 1,11E-01 | 2,15E-01 | 2,11E-01 | 3,52E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 7,22E-02 | 2,30E-01 | 4,44E-01 | 4,36E-01 | 7,42E-02 | 2,33E-01 | 4,49E-01 | 4,40E-01 |
| 3,5 | 8,38E-02 | 2,66E-01 | 5,13E-01 | 5,04E-01 | 8,68E-02 | 2,70E-01 | 5,19E-01 | 5,09E-01 |
| 4 | 9,10E-02 | 2,88E-01 | 5,56E-01 | 5,46E-01 | 9,52E-02 | 2,93E-01 | 5,63E-01 | 5,52E-01 |
| 5 | 9,76E-02 | 3,08E-01 | 5,93E-01 | 5,82E-01 | 1,04E-01 | 3,14E-01 | 6,01E-01 | 5,89E-01 |
| 6 | 9,94E-02 | 3,13E-01 | 6,03E-01 | 5,92E-01 | 1,08E-01 | 3,20E-01 | 6,12E-01 | 5,99E-01 |
| 7 | 9,99E-02 | 3,14E-01 | 6,05E-01 | 5,94E-01 | 1,11E-01 | 3,23E-01 | 6,15E-01 | 6,02E-01 |
| 8 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,13E-01 | 3,24E-01 | 6,16E-01 | 6,03E-01 |
| 9 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,15E-01 | 3,25E-01 | 6,17E-01 | 6,03E-01 |
| 10 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,16E-01 | 3,26E-01 | 6,17E-01 | 6,03E-01 |
| 11 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,17E-01 | 3,26E-01 | 6,17E-01 | 6,04E-01 |
| 12 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,18E-01 | 3,27E-01 | 6,18E-01 | 6,04E-01 |
| 13 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,19E-01 | 3,27E-01 | 6,18E-01 | 6,04E-01 |
| 14 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,19E-01 | 3,28E-01 | 6,18E-01 | 6,04E-01 |
| 15 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,20E-01 | 3,28E-01 | 6,18E-01 | 6,04E-01 |
| 20 | 1,00E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,22E-01 | 3,29E-01 | 6,19E-01 | 6,05E-01 |
| 30 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,24E-01 | 3,31E-01 | 6,20E-01 | 6,05E-01 |
| 40 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,26E-01 | 3,32E-01 | 6,21E-01 | 6,05E-01 |
| 45 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,27E-01 | 3,33E-01 | 6,21E-01 | 6,05E-01 |
| 50 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,28E-01 | 3,33E-01 | 6,21E-01 | 6,06E-01 |
| 60 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,29E-01 | 3,34E-01 | 6,22E-01 | 6,06E-01 |
| 70 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,30E-01 | 3,35E-01 | 6,22E-01 | 6,06E-01 |
| 80 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,31E-01 | 3,36E-01 | 6,22E-01 | 6,06E-01 |
| 90 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,32E-01 | 3,36E-01 | 6,23E-01 | 6,06E-01 |
| 100 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,33E-01 | 3,37E-01 | 6,23E-01 | 6,06E-01 |
| 120 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,34E-01 | 3,38E-01 | 6,23E-01 | 6,06E-01 |
| 180 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,37E-01 | 3,40E-01 | 6,24E-01 | 6,07E-01 |
| 200 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,37E-01 | 3,40E-01 | 6,24E-01 | 6,07E-01 |
| 300 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,38E-01 | 3,41E-01 | 6,25E-01 | 6,07E-01 |
| 360 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,39E-01 | 3,41E-01 | 6,25E-01 | 6,07E-01 |
| 365 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,95E-01 | 1,39E-01 | 3,41E-01 | 6,25E-01 | 6,07E-01 |
| 400 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,25E-01 | 6,07E-01 |
| 500 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,25E-01 | 6,07E-01 |
| 600 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,25E-01 | 6,07E-01 |
| 700 | 1,01E-01 | 3,15E-01 | 6,06E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,07E-01 |
| 800 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 900 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 1000 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 2000 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 3000 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 4000 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 5000 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 6000 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 8000 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 10000 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 13500 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 14600 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| 18250 | 1,01E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,39E-01 | 3,41E-01 | 6,24E-01 | 6,06E-01 |
| Eff. Dosis | 5,0E-09 | 3,7E-09 | 2,5E-09 | 1,5E-09 | 9,7E-09 | 7,0E-09 | 4,2E-09 | 2,3E-09 |
| Gebärmutter | 2,7E-09 | 2,2E-09 | 1,7E-09 | 1,2E-09 | 1,5E-09 | 1,3E-09 | 1,2E-09 | 9,2E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Lu-177m | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,40E-03 | 1,11E-02 | 2,13E-02 | 2,09E-02 | 5,86E-02 | 7,51E-04 |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,13E-01 | 4,62E-01 | 4,52E-03 |
| 3 | 7,47E-02 | 2,34E-01 | 4,50E-01 | 4,41E-01 | 8,14E-01 | 7,70E-03 |
| 3,5 | 8,76E-02 | 2,71E-01 | 5,21E-01 | 5,11E-01 | 8,99E-01 | 8,62E-03 |
| 4 | 9,63E-02 | 2,94E-01 | 5,64E-01 | 5,53E-01 | 9,45E-01 | 9,22E-03 |
| 5 | 1,06E-01 | 3,15E-01 | 6,03E-01 | 5,91E-01 | 9,80E-01 | 9,88E-03 |
| 6 | 1,11E-01 | 3,22E-01 | 6,14E-01 | 6,01E-01 | 9,88E-01 | 1,02E-02 |
| 7 | 1,14E-01 | 3,25E-01 | 6,17E-01 | 6,04E-01 | 9,90E-01 | 1,04E-02 |
| 8 | 1,16E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 | 9,90E-01 | 1,05E-02 |
| 9 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 9,90E-01 | 1,06E-02 |
| 10 | 1,20E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 | 9,90E-01 | 1,07E-02 |
| 11 | 1,21E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 | 9,90E-01 | 1,09E-02 |
| 12 | 1,22E-01 | 3,30E-01 | 6,21E-01 | 6,06E-01 | 9,90E-01 | 1,10E-02 |
| 13 | 1,23E-01 | 3,31E-01 | 6,21E-01 | 6,06E-01 | 9,90E-01 | 1,10E-02 |
| 14 | 1,24E-01 | 3,31E-01 | 6,21E-01 | 6,06E-01 | 9,90E-01 | 1,11E-02 |
| 15 | 1,25E-01 | 3,32E-01 | 6,22E-01 | 6,07E-01 | 9,90E-01 | 1,12E-02 |
| 20 | 1,28E-01 | 3,33E-01 | 6,23E-01 | 6,07E-01 | 9,90E-01 | 1,17E-02 |
| 30 | 1,31E-01 | 3,35E-01 | 6,24E-01 | 6,08E-01 | 9,90E-01 | 1,24E-02 |
| 40 | 1,33E-01 | 3,37E-01 | 6,25E-01 | 6,08E-01 | 9,90E-01 | 1,30E-02 |
| 45 | 1,34E-01 | 3,38E-01 | 6,25E-01 | 6,08E-01 | 9,90E-01 | 1,32E-02 |
| 50 | 1,35E-01 | 3,39E-01 | 6,25E-01 | 6,08E-01 | 9,90E-01 | 1,34E-02 |
| 60 | 1,37E-01 | 3,40E-01 | 6,26E-01 | 6,09E-01 | 9,90E-01 | 1,38E-02 |
| 70 | 1,39E-01 | 3,41E-01 | 6,27E-01 | 6,09E-01 | 9,90E-01 | 1,41E-02 |
| 80 | 1,41E-01 | 3,43E-01 | 6,27E-01 | 6,09E-01 | 9,90E-01 | 1,43E-02 |
| 90 | 1,43E-01 | 3,44E-01 | 6,28E-01 | 6,09E-01 | 9,90E-01 | 1,45E-02 |
| 100 | 1,44E-01 | 3,45E-01 | 6,28E-01 | 6,10E-01 | 9,90E-01 | 1,47E-02 |
| 120 | 1,47E-01 | 3,47E-01 | 6,29E-01 | 6,10E-01 | 9,90E-01 | 1,49E-02 |
| 180 | 1,53E-01 | 3,51E-01 | 6,31E-01 | 6,11E-01 | 9,90E-01 | 1,54E-02 |
| 200 | 1,54E-01 | 3,52E-01 | 6,32E-01 | 6,11E-01 | 9,89E-01 | 1,55E-02 |
| 300 | 1,59E-01 | 3,55E-01 | 6,33E-01 | 6,12E-01 | 9,89E-01 | 1,58E-02 |
| 360 | 1,61E-01 | 3,56E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 1,58E-02 |
| 365 | 1,61E-01 | 3,56E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 1,59E-02 |
| 400 | 1,61E-01 | 3,57E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 1,59E-02 |
| 500 | 1,62E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 1,60E-02 |
| 600 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 1,60E-02 |
| 700 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,60E-02 |
| 800 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,60E-02 |
| 900 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,60E-02 |
| 1000 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 2000 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 3000 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 4000 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 5000 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 6000 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 8000 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 10000 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 13500 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 14600 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| 18250 | 1,63E-01 | 3,58E-01 | 6,34E-01 | 6,12E-01 | 9,88E-01 | 1,61E-02 |
| Eff. Dosis | 1,5E-08 | 1,1E-08 | 6,6E-09 | 3,6E-09 | 4,4E-10 | 2,5E-08 |
| Gebärmutter | 2,87E-10 | 4,8E-10 | 7,5E-10 | 7,0E-10 | 1,1E-09 | 1,5E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Lu-177m | | Inhalation Dioxid | | | | Inhalation Wasserlösliche Verbindungen, Chlorid, Citrat | | | |
|-------------|----------|-------------------|----------|----------|----------|--|----------|----------|--|
| Zeit (d) | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm | |
| 1 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 3,38E-03 | 1,10E-02 | 2,12E-02 | 2,08E-02 | |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,13E-01 | 3,50E-02 | 1,12E-01 | 2,16E-01 | 2,12E-01 | |
| 3 | 7,47E-02 | 2,34E-01 | 4,50E-01 | 4,41E-01 | 7,34E-02 | 2,32E-01 | 4,47E-01 | 4,38E-01 | |
| 3,5 | 8,76E-02 | 2,71E-01 | 5,21E-01 | 5,11E-01 | 8,57E-02 | 2,69E-01 | 5,17E-01 | 5,07E-01 | |
| 4 | 9,63E-02 | 2,94E-01 | 5,64E-01 | 5,53E-01 | 9,37E-02 | 2,91E-01 | 5,60E-01 | 5,49E-01 | |
| 5 | 1,06E-01 | 3,16E-01 | 6,03E-01 | 5,91E-01 | 1,02E-01 | 3,12E-01 | 5,98E-01 | 5,86E-01 | |
| 6 | 1,11E-01 | 3,22E-01 | 6,14E-01 | 6,01E-01 | 1,05E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 | |
| 7 | 1,14E-01 | 3,25E-01 | 6,17E-01 | 6,04E-01 | 1,07E-01 | 3,20E-01 | 6,11E-01 | 5,99E-01 | |
| 8 | 1,16E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 | 1,08E-01 | 3,21E-01 | 6,12E-01 | 6,00E-01 | |
| 9 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,09E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | |
| 10 | 1,20E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 | 1,10E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | |
| 11 | 1,21E-01 | 3,29E-01 | 6,21E-01 | 6,06E-01 | 1,11E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | |
| 12 | 1,23E-01 | 3,30E-01 | 6,21E-01 | 6,06E-01 | 1,11E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | |
| 13 | 1,24E-01 | 3,31E-01 | 6,21E-01 | 6,06E-01 | 1,12E-01 | 3,23E-01 | 6,14E-01 | 6,01E-01 | |
| 14 | 1,24E-01 | 3,31E-01 | 6,22E-01 | 6,07E-01 | 1,12E-01 | 3,23E-01 | 6,14E-01 | 6,01E-01 | |
| 15 | 1,25E-01 | 3,32E-01 | 6,22E-01 | 6,07E-01 | 1,13E-01 | 3,23E-01 | 6,14E-01 | 6,01E-01 | |
| 20 | 1,28E-01 | 3,33E-01 | 6,23E-01 | 6,07E-01 | 1,14E-01 | 3,24E-01 | 6,14E-01 | 6,01E-01 | |
| 30 | 1,31E-01 | 3,35E-01 | 6,24E-01 | 6,08E-01 | 1,16E-01 | 3,25E-01 | 6,15E-01 | 6,01E-01 | |
| 40 | 1,33E-01 | 3,37E-01 | 6,25E-01 | 6,08E-01 | 1,17E-01 | 3,26E-01 | 6,15E-01 | 6,01E-01 | |
| 45 | 1,34E-01 | 3,38E-01 | 6,25E-01 | 6,08E-01 | 1,18E-01 | 3,26E-01 | 6,16E-01 | 6,02E-01 | |
| 50 | 1,35E-01 | 3,39E-01 | 6,26E-01 | 6,08E-01 | 1,18E-01 | 3,27E-01 | 6,16E-01 | 6,02E-01 | |
| 60 | 1,37E-01 | 3,40E-01 | 6,26E-01 | 6,09E-01 | 1,19E-01 | 3,28E-01 | 6,16E-01 | 6,02E-01 | |
| 70 | 1,39E-01 | 3,41E-01 | 6,27E-01 | 6,09E-01 | 1,20E-01 | 3,28E-01 | 6,16E-01 | 6,02E-01 | |
| 80 | 1,41E-01 | 3,42E-01 | 6,27E-01 | 6,09E-01 | 1,21E-01 | 3,29E-01 | 6,17E-01 | 6,02E-01 | |
| 90 | 1,42E-01 | 3,44E-01 | 6,28E-01 | 6,09E-01 | 1,21E-01 | 3,29E-01 | 6,17E-01 | 6,02E-01 | |
| 100 | 1,44E-01 | 3,45E-01 | 6,28E-01 | 6,10E-01 | 1,22E-01 | 3,30E-01 | 6,17E-01 | 6,02E-01 | |
| 120 | 1,46E-01 | 3,46E-01 | 6,29E-01 | 6,10E-01 | 1,23E-01 | 3,31E-01 | 6,18E-01 | 6,02E-01 | |
| 180 | 1,52E-01 | 3,50E-01 | 6,31E-01 | 6,11E-01 | 1,26E-01 | 3,32E-01 | 6,18E-01 | 6,03E-01 | |
| 200 | 1,53E-01 | 3,51E-01 | 6,31E-01 | 6,11E-01 | 1,26E-01 | 3,33E-01 | 6,19E-01 | 6,03E-01 | |
| 300 | 1,57E-01 | 3,54E-01 | 6,33E-01 | 6,11E-01 | 1,28E-01 | 3,34E-01 | 6,19E-01 | 6,03E-01 | |
| 360 | 1,58E-01 | 3,54E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,34E-01 | 6,19E-01 | 6,03E-01 | |
| 365 | 1,58E-01 | 3,54E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,34E-01 | 6,19E-01 | 6,03E-01 | |
| 400 | 1,58E-01 | 3,55E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,34E-01 | 6,19E-01 | 6,03E-01 | |
| 500 | 1,59E-01 | 3,55E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 600 | 1,59E-01 | 3,55E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 700 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 800 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 900 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 1000 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 2000 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 3000 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 4000 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 5000 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 6000 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 8000 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 10000 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 13500 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 14600 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| 18250 | 1,60E-01 | 3,56E-01 | 6,33E-01 | 6,11E-01 | 1,29E-01 | 3,35E-01 | 6,19E-01 | 6,03E-01 | |
| Eff. Dosis | 1,4E-08 | 1,0E-08 | 6,1E-09 | 3,3E-09 | 9,3E-09 | 6,8E-09 | 4,2E-09 | 2,4E-09 | |
| Gebärmutter | 5,3E-10 | 6,5E-10 | 8,4E-10 | 7,4E-10 | 1,7E-09 | 1,5E-09 | 1,3E-09 | 9,8E-10 | |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pb-203 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 1,23E-03 | 3,83E-03 | 7,38E-03 | 7,27E-03 | 2,56E-03 | 8,31E-03 | 1,61E-02 | 1,58E-02 |
| 2 | 9,28E-03 | 2,94E-02 | 5,67E-02 | 5,60E-02 | 2,11E-02 | 6,77E-02 | 1,31E-01 | 1,28E-01 |
| 3 | 1,63E-02 | 5,14E-02 | 9,91E-02 | 9,78E-02 | 3,82E-02 | 1,21E-01 | 2,32E-01 | 2,28E-01 |
| 3,5 | 1,80E-02 | 5,66E-02 | 1,09E-01 | 1,08E-01 | 4,26E-02 | 1,33E-01 | 2,57E-01 | 2,52E-01 |
| 4 | 1,89E-02 | 5,94E-02 | 1,15E-01 | 1,13E-01 | 4,50E-02 | 1,40E-01 | 2,69E-01 | 2,64E-01 |
| 5 | 1,97E-02 | 6,16E-02 | 1,19E-01 | 1,17E-01 | 4,71E-02 | 1,45E-01 | 2,78E-01 | 2,73E-01 |
| 6 | 2,00E-02 | 6,22E-02 | 1,20E-01 | 1,18E-01 | 4,79E-02 | 1,46E-01 | 2,80E-01 | 2,75E-01 |
| 7 | 2,02E-02 | 6,24E-02 | 1,20E-01 | 1,18E-01 | 4,82E-02 | 1,46E-01 | 2,81E-01 | 2,75E-01 |
| 8 | 2,03E-02 | 6,25E-02 | 1,20E-01 | 1,18E-01 | 4,84E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 9 | 2,03E-02 | 6,26E-02 | 1,20E-01 | 1,19E-01 | 4,85E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 10 | 2,04E-02 | 6,27E-02 | 1,20E-01 | 1,19E-01 | 4,86E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 11 | 2,04E-02 | 6,27E-02 | 1,20E-01 | 1,19E-01 | 4,86E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 12 | 2,04E-02 | 6,27E-02 | 1,20E-01 | 1,19E-01 | 4,86E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 13 | 2,04E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 14 | 2,04E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 15 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 20 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 30 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 40 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 45 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 50 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 60 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 70 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 80 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 90 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 100 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 120 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 180 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 200 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 300 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 360 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 365 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 400 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 500 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 600 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 700 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 800 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 900 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 1000 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 2000 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 3000 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 4000 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 5000 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 6000 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 8000 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 10000 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 13500 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 14600 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| 18250 | 2,05E-02 | 6,28E-02 | 1,20E-01 | 1,19E-01 | 4,87E-02 | 1,47E-01 | 2,81E-01 | 2,75E-01 |
| Eff. Dosis | 9,0E-11 | 1,5E-10 | 2,3E-10 | 2,1E-10 | 1,1E-10 | 1,1E-10 | 1,2E-10 | 9,6E-11 |
| Gebärmutter | 1,8E-11 | 4,0E-11 | 7,0E-11 | 6,7E-11 | 2,3E-11 | 6,6E-11 | 1,3E-10 | 1,2E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pb-203 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 2,63E-03 | 8,55E-03 | 1,65E-02 | 1,62E-02 | 3,99E-02 | 1,09E-03 |
| 2 | 2,20E-02 | 7,03E-02 | 1,36E-01 | 1,33E-01 | 2,44E-01 | 5,74E-03 |
| 3 | 4,00E-02 | 1,26E-01 | 2,42E-01 | 2,38E-01 | 3,73E-01 | 9,29E-03 |
| 3,5 | 4,46E-02 | 1,39E-01 | 2,68E-01 | 2,62E-01 | 3,97E-01 | 1,04E-02 |
| 4 | 4,73E-02 | 1,46E-01 | 2,81E-01 | 2,75E-01 | 4,08E-01 | 1,12E-02 |
| 5 | 4,96E-02 | 1,52E-01 | 2,91E-01 | 2,85E-01 | 4,14E-01 | 1,23E-02 |
| 6 | 5,05E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,30E-02 |
| 7 | 5,09E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,36E-02 |
| 8 | 5,11E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,39E-02 |
| 9 | 5,12E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,42E-02 |
| 10 | 5,13E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,44E-02 |
| 11 | 5,14E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,45E-02 |
| 12 | 5,14E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,46E-02 |
| 13 | 5,14E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,47E-02 |
| 14 | 5,14E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,48E-02 |
| 15 | 5,14E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,48E-02 |
| 20 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 30 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 40 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 45 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 50 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 60 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 70 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 80 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 90 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 100 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 120 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 180 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 200 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 300 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 360 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 365 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 400 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 500 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 600 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 700 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 800 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 900 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 1000 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 2000 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 3000 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 4000 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 5000 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 6000 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 8000 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 10000 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 13500 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 14600 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| 18250 | 5,15E-02 | 1,53E-01 | 2,93E-01 | 2,87E-01 | 4,16E-01 | 1,49E-02 |
| Eff. Dosis | 1,2E-10 | 1,1E-10 | 1,2E-10 | 9,4E-11 | 1,2E-10 | 1,9E-10 |
| Gebärmutter | 2,3E-11 | 6,8E-11 | 1,3E-10 | 1,3E-10 | 1,9E-10 | 5,0E-11 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pb-210 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 1,59E-03 | 4,96E-03 | 9,54E-03 | 9,41E-03 | 3,31E-03 | 1,08E-02 | 2,08E-02 | 2,04E-02 |
| 2 | 1,49E-02 | 4,72E-02 | 9,11E-02 | 8,99E-02 | 3,41E-02 | 1,09E-01 | 2,10E-01 | 2,06E-01 |
| 3 | 3,02E-02 | 9,55E-02 | 1,84E-01 | 1,82E-01 | 7,17E-02 | 2,25E-01 | 4,34E-01 | 4,26E-01 |
| 3,5 | 3,51E-02 | 1,10E-01 | 2,13E-01 | 2,10E-01 | 8,39E-02 | 2,61E-01 | 5,02E-01 | 4,93E-01 |
| 4 | 3,82E-02 | 1,20E-01 | 2,30E-01 | 2,27E-01 | 9,20E-02 | 2,83E-01 | 5,44E-01 | 5,34E-01 |
| 5 | 4,15E-02 | 1,28E-01 | 2,47E-01 | 2,43E-01 | 1,01E-01 | 3,04E-01 | 5,81E-01 | 5,70E-01 |
| 6 | 4,32E-02 | 1,32E-01 | 2,52E-01 | 2,49E-01 | 1,05E-01 | 3,10E-01 | 5,92E-01 | 5,80E-01 |
| 7 | 4,43E-02 | 1,34E-01 | 2,55E-01 | 2,51E-01 | 1,08E-01 | 3,13E-01 | 5,95E-01 | 5,82E-01 |
| 8 | 4,54E-02 | 1,35E-01 | 2,57E-01 | 2,53E-01 | 1,10E-01 | 3,14E-01 | 5,96E-01 | 5,83E-01 |
| 9 | 4,64E-02 | 1,36E-01 | 2,59E-01 | 2,55E-01 | 1,12E-01 | 3,15E-01 | 5,97E-01 | 5,84E-01 |
| 10 | 4,74E-02 | 1,38E-01 | 2,61E-01 | 2,57E-01 | 1,13E-01 | 3,16E-01 | 5,98E-01 | 5,84E-01 |
| 11 | 4,84E-02 | 1,39E-01 | 2,63E-01 | 2,58E-01 | 1,14E-01 | 3,17E-01 | 5,98E-01 | 5,85E-01 |
| 12 | 4,93E-02 | 1,40E-01 | 2,65E-01 | 2,60E-01 | 1,16E-01 | 3,18E-01 | 5,99E-01 | 5,85E-01 |
| 13 | 5,03E-02 | 1,42E-01 | 2,66E-01 | 2,61E-01 | 1,16E-01 | 3,18E-01 | 5,99E-01 | 5,85E-01 |
| 14 | 5,12E-02 | 1,43E-01 | 2,68E-01 | 2,63E-01 | 1,17E-01 | 3,19E-01 | 6,00E-01 | 5,86E-01 |
| 15 | 5,21E-02 | 1,44E-01 | 2,70E-01 | 2,65E-01 | 1,18E-01 | 3,19E-01 | 6,00E-01 | 5,86E-01 |
| 20 | 5,65E-02 | 1,50E-01 | 2,78E-01 | 2,72E-01 | 1,21E-01 | 3,22E-01 | 6,02E-01 | 5,87E-01 |
| 30 | 6,39E-02 | 1,60E-01 | 2,92E-01 | 2,84E-01 | 1,26E-01 | 3,25E-01 | 6,04E-01 | 5,89E-01 |
| 40 | 6,98E-02 | 1,68E-01 | 3,02E-01 | 2,94E-01 | 1,29E-01 | 3,28E-01 | 6,06E-01 | 5,90E-01 |
| 45 | 7,22E-02 | 1,71E-01 | 3,07E-01 | 2,98E-01 | 1,31E-01 | 3,29E-01 | 6,07E-01 | 5,90E-01 |
| 50 | 7,43E-02 | 1,74E-01 | 3,11E-01 | 3,02E-01 | 1,32E-01 | 3,30E-01 | 6,08E-01 | 5,91E-01 |
| 60 | 7,79E-02 | 1,78E-01 | 3,17E-01 | 3,08E-01 | 1,35E-01 | 3,32E-01 | 6,09E-01 | 5,92E-01 |
| 70 | 8,07E-02 | 1,82E-01 | 3,23E-01 | 3,12E-01 | 1,38E-01 | 3,34E-01 | 6,10E-01 | 5,93E-01 |
| 80 | 8,29E-02 | 1,85E-01 | 3,27E-01 | 3,16E-01 | 1,40E-01 | 3,36E-01 | 6,12E-01 | 5,93E-01 |
| 90 | 8,47E-02 | 1,88E-01 | 3,30E-01 | 3,19E-01 | 1,43E-01 | 3,38E-01 | 6,13E-01 | 5,94E-01 |
| 100 | 8,62E-02 | 1,90E-01 | 3,33E-01 | 3,22E-01 | 1,45E-01 | 3,40E-01 | 6,14E-01 | 5,94E-01 |
| 120 | 8,86E-02 | 1,93E-01 | 3,37E-01 | 3,26E-01 | 1,49E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 180 | 9,31E-02 | 1,99E-01 | 3,46E-01 | 3,33E-01 | 1,58E-01 | 3,49E-01 | 6,19E-01 | 5,97E-01 |
| 200 | 9,41E-02 | 2,00E-01 | 3,47E-01 | 3,35E-01 | 1,60E-01 | 3,51E-01 | 6,20E-01 | 5,98E-01 |
| 300 | 9,74E-02 | 2,05E-01 | 3,54E-01 | 3,40E-01 | 1,68E-01 | 3,57E-01 | 6,23E-01 | 5,99E-01 |
| 360 | 9,86E-02 | 2,06E-01 | 3,56E-01 | 3,42E-01 | 1,71E-01 | 3,59E-01 | 6,24E-01 | 6,00E-01 |
| 365 | 9,87E-02 | 2,06E-01 | 3,56E-01 | 3,42E-01 | 1,72E-01 | 3,59E-01 | 6,25E-01 | 6,00E-01 |
| 400 | 9,92E-02 | 2,07E-01 | 3,57E-01 | 3,43E-01 | 1,73E-01 | 3,60E-01 | 6,25E-01 | 6,00E-01 |
| 500 | 1,00E-01 | 2,08E-01 | 3,59E-01 | 3,45E-01 | 1,75E-01 | 3,62E-01 | 6,26E-01 | 6,01E-01 |
| 600 | 1,01E-01 | 2,09E-01 | 3,60E-01 | 3,46E-01 | 1,77E-01 | 3,63E-01 | 6,27E-01 | 6,01E-01 |
| 700 | 1,02E-01 | 2,10E-01 | 3,62E-01 | 3,47E-01 | 1,78E-01 | 3,64E-01 | 6,27E-01 | 6,01E-01 |
| 800 | 1,02E-01 | 2,11E-01 | 3,62E-01 | 3,48E-01 | 1,78E-01 | 3,64E-01 | 6,27E-01 | 6,02E-01 |
| 900 | 1,03E-01 | 2,12E-01 | 3,63E-01 | 3,49E-01 | 1,79E-01 | 3,65E-01 | 6,28E-01 | 6,02E-01 |
| 1000 | 1,03E-01 | 2,12E-01 | 3,64E-01 | 3,50E-01 | 1,79E-01 | 3,65E-01 | 6,28E-01 | 6,02E-01 |
| 2000 | 1,06E-01 | 2,16E-01 | 3,69E-01 | 3,54E-01 | 1,81E-01 | 3,66E-01 | 6,29E-01 | 6,02E-01 |
| 3000 | 1,07E-01 | 2,18E-01 | 3,72E-01 | 3,57E-01 | 1,82E-01 | 3,67E-01 | 6,29E-01 | 6,03E-01 |
| 4000 | 1,08E-01 | 2,19E-01 | 3,73E-01 | 3,58E-01 | 1,82E-01 | 3,67E-01 | 6,29E-01 | 6,03E-01 |
| 5000 | 1,09E-01 | 2,20E-01 | 3,74E-01 | 3,59E-01 | 1,82E-01 | 3,68E-01 | 6,30E-01 | 6,03E-01 |
| 6000 | 1,09E-01 | 2,20E-01 | 3,75E-01 | 3,60E-01 | 1,83E-01 | 3,68E-01 | 6,30E-01 | 6,03E-01 |
| 8000 | 1,10E-01 | 2,21E-01 | 3,76E-01 | 3,61E-01 | 1,83E-01 | 3,68E-01 | 6,30E-01 | 6,03E-01 |
| 10000 | 1,10E-01 | 2,21E-01 | 3,77E-01 | 3,61E-01 | 1,83E-01 | 3,68E-01 | 6,30E-01 | 6,03E-01 |
| 13500 | 1,10E-01 | 2,22E-01 | 3,77E-01 | 3,62E-01 | 1,83E-01 | 3,68E-01 | 6,30E-01 | 6,03E-01 |
| 14600 | 1,10E-01 | 2,22E-01 | 3,77E-01 | 3,62E-01 | 1,83E-01 | 3,68E-01 | 6,30E-01 | 6,03E-01 |
| 18250 | 1,10E-01 | 2,22E-01 | 3,77E-01 | 3,62E-01 | 1,83E-01 | 3,68E-01 | 6,30E-01 | 6,03E-01 |
| Eff. Dosis | 3,8E-07 | 5,1E-07 | 7,1E-07 | 6,4E-07 | 1,2E-06 | 9,3E-07 | 6,2E-07 | 3,8E-07 |
| Gebärmutter | 3,7E-08 | 4,9E-08 | 6,7E-08 | 6,1E-08 | 3,2E-08 | 2,5E-08 | 1,6E-08 | 9,5E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pb-210 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,14E-02 | 1,39E-03 |
| 2 | 3,55E-02 | 1,13E-01 | 2,19E-01 | 2,14E-01 | 3,86E-01 | 9,01E-03 |
| 3 | 7,51E-02 | 2,35E-01 | 4,53E-01 | 4,44E-01 | 6,66E-01 | 1,69E-02 |
| 3,5 | 8,82E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 | 7,34E-01 | 1,99E-02 |
| 4 | 9,70E-02 | 2,96E-01 | 5,69E-01 | 5,57E-01 | 7,70E-01 | 2,26E-02 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,95E-01 | 7,98E-01 | 2,73E-02 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 | 8,05E-01 | 3,17E-02 |
| 7 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 | 8,07E-01 | 3,59E-02 |
| 8 | 1,17E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 8,08E-01 | 4,01E-02 |
| 9 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,10E-01 | 8,09E-01 | 4,43E-02 |
| 10 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,11E-01 | 8,09E-01 | 4,84E-02 |
| 11 | 1,23E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 | 8,10E-01 | 5,24E-02 |
| 12 | 1,24E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 | 8,11E-01 | 5,64E-02 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 8,12E-01 | 6,04E-02 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 8,13E-01 | 6,42E-02 |
| 15 | 1,27E-01 | 3,35E-01 | 6,27E-01 | 6,12E-01 | 8,13E-01 | 6,80E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,28E-01 | 6,13E-01 | 8,17E-01 | 8,61E-02 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 | 8,23E-01 | 1,17E-01 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 | 8,28E-01 | 1,41E-01 |
| 45 | 1,37E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 | 8,30E-01 | 1,51E-01 |
| 50 | 1,39E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 | 8,32E-01 | 1,60E-01 |
| 60 | 1,41E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 | 8,35E-01 | 1,74E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,15E-01 | 8,37E-01 | 1,86E-01 |
| 80 | 1,46E-01 | 3,48E-01 | 6,34E-01 | 6,15E-01 | 8,39E-01 | 1,95E-01 |
| 90 | 1,49E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 | 8,40E-01 | 2,03E-01 |
| 100 | 1,51E-01 | 3,52E-01 | 6,36E-01 | 6,16E-01 | 8,42E-01 | 2,09E-01 |
| 120 | 1,55E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 | 8,44E-01 | 2,19E-01 |
| 180 | 1,67E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 | 8,47E-01 | 2,38E-01 |
| 200 | 1,70E-01 | 3,65E-01 | 6,43E-01 | 6,19E-01 | 8,48E-01 | 2,42E-01 |
| 300 | 1,84E-01 | 3,75E-01 | 6,48E-01 | 6,21E-01 | 8,51E-01 | 2,56E-01 |
| 360 | 1,90E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 | 8,52E-01 | 2,61E-01 |
| 365 | 1,91E-01 | 3,80E-01 | 6,50E-01 | 6,23E-01 | 8,52E-01 | 2,61E-01 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,23E-01 | 8,52E-01 | 2,63E-01 |
| 500 | 2,01E-01 | 3,88E-01 | 6,54E-01 | 6,24E-01 | 8,53E-01 | 2,68E-01 |
| 600 | 2,07E-01 | 3,92E-01 | 6,56E-01 | 6,25E-01 | 8,54E-01 | 2,71E-01 |
| 700 | 2,11E-01 | 3,95E-01 | 6,58E-01 | 6,26E-01 | 8,55E-01 | 2,74E-01 |
| 800 | 2,14E-01 | 3,97E-01 | 6,59E-01 | 6,26E-01 | 8,55E-01 | 2,76E-01 |
| 900 | 2,16E-01 | 3,98E-01 | 6,59E-01 | 6,27E-01 | 8,55E-01 | 2,78E-01 |
| 1000 | 2,17E-01 | 3,99E-01 | 6,60E-01 | 6,27E-01 | 8,56E-01 | 2,79E-01 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 8,58E-01 | 2,90E-01 |
| 3000 | 2,23E-01 | 4,04E-01 | 6,62E-01 | 6,28E-01 | 8,59E-01 | 2,96E-01 |
| 4000 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,28E-01 | 8,60E-01 | 3,00E-01 |
| 5000 | 2,25E-01 | 4,05E-01 | 6,63E-01 | 6,28E-01 | 8,60E-01 | 3,03E-01 |
| 6000 | 2,26E-01 | 4,05E-01 | 6,63E-01 | 6,28E-01 | 8,61E-01 | 3,05E-01 |
| 8000 | 2,26E-01 | 4,06E-01 | 6,63E-01 | 6,28E-01 | 8,61E-01 | 3,07E-01 |
| 10000 | 2,27E-01 | 4,06E-01 | 6,63E-01 | 6,28E-01 | 8,61E-01 | 3,08E-01 |
| 13500 | 2,28E-01 | 4,07E-01 | 6,64E-01 | 6,28E-01 | 8,61E-01 | 3,09E-01 |
| 14600 | 2,28E-01 | 4,07E-01 | 6,64E-01 | 6,28E-01 | 8,61E-01 | 3,10E-01 |
| 18250 | 2,28E-01 | 4,07E-01 | 6,64E-01 | 6,28E-01 | 8,61E-01 | 3,10E-01 |
| Eff. Dosis | 2,0E-05 | 1,5E-05 | 9,2E-06 | 5,1E-06 | 3,2E-07 | 1,6E-06 |
| Gebärmutter | 1,34E-08 | 9,7E-09 | 5,1E-09 | 2,5E-09 | 3,0E-08 | 1,5E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pb-212 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 4,66E-04 | 1,45E-03 | 2,79E-03 | 2,75E-03 | 9,62E-04 | 3,13E-03 | 6,05E-03 | 5,94E-03 |
| 2 | 1,70E-03 | 5,37E-03 | 1,04E-02 | 1,02E-02 | 3,79E-03 | 1,22E-02 | 2,35E-02 | 2,31E-02 |
| 3 | 2,06E-03 | 6,49E-03 | 1,25E-02 | 1,24E-02 | 4,66E-03 | 1,49E-02 | 2,87E-02 | 2,82E-02 |
| 3,5 | 2,09E-03 | 6,59E-03 | 1,27E-02 | 1,25E-02 | 4,74E-03 | 1,51E-02 | 2,92E-02 | 2,86E-02 |
| 4 | 2,10E-03 | 6,62E-03 | 1,28E-02 | 1,26E-02 | 4,76E-03 | 1,52E-02 | 2,93E-02 | 2,87E-02 |
| 5 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 6 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 7 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 8 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 9 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 10 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 11 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 12 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 13 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 14 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 15 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 20 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 30 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 40 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 45 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 50 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 60 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 70 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 80 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 90 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 100 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 120 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 180 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 200 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 300 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 360 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 365 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 400 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 500 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 600 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 700 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 800 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 900 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 1000 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 2000 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 3000 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 4000 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 5000 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 6000 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 8000 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 10000 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 13500 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 14600 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| 18250 | 2,10E-03 | 6,63E-03 | 1,28E-02 | 1,26E-02 | 4,77E-03 | 1,52E-02 | 2,93E-02 | 2,88E-02 |
| Eff. Dosis | 1,1E-07 | 1,8E-07 | 3,0E-07 | 2,6E-07 | 1,5E-07 | 1,0E-07 | 9,4E-08 | 6,4E-08 |
| Gebärmutter | 1,3E-09 | 1,6E-09 | 2,2E-09 | 1,9E-09 | 2,0E-10 | 2,4E-10 | 3,2E-10 | 2,8E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pb-212 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 9,88E-04 | 3,22E-03 | 6,22E-03 | 6,10E-03 | 1,54E-02 | 4,31E-04 |
| 2 | 3,92E-03 | 1,26E-02 | 2,43E-02 | 2,39E-02 | 4,78E-02 | 1,17E-03 |
| 3 | 4,84E-03 | 1,55E-02 | 2,98E-02 | 2,92E-02 | 5,46E-02 | 1,35E-03 |
| 3,5 | 4,92E-03 | 1,57E-02 | 3,03E-02 | 2,97E-02 | 5,50E-02 | 1,37E-03 |
| 4 | 4,95E-03 | 1,58E-02 | 3,04E-02 | 2,98E-02 | 5,51E-02 | 1,38E-03 |
| 5 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,98E-02 | 5,52E-02 | 1,38E-03 |
| 6 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,38E-03 |
| 7 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 8 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 9 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 10 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 11 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 12 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 13 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 14 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 15 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 20 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 30 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 40 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 45 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 50 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 60 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 70 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 80 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 90 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 100 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 120 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 180 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 200 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 300 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 360 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 365 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 400 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 500 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 600 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 700 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 800 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 900 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 1000 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 2000 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 3000 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 4000 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 5000 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 6000 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 8000 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 10000 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 13500 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 14600 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| 18250 | 4,96E-03 | 1,58E-02 | 3,04E-02 | 2,99E-02 | 5,52E-02 | 1,39E-03 |
| Eff. Dosis | 1,6E-07 | 1,1E-07 | 9,4E-08 | 6,2E-08 | 5,6E-09 | 3,4E-08 |
| Gebärmutter | 3,24E-11 | 8,3E-11 | 1,5E-10 | 1,5E-10 | 1,4E-09 | 7,3E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-227 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,10E-03 | 7,04E-03 | 1,37E-02 | 1,36E-02 | 3,28E-03 | 1,07E-02 | 2,06E-02 | 2,03E-02 |
| 2 | 2,06E-02 | 6,91E-02 | 1,35E-01 | 1,33E-01 | 3,32E-02 | 1,07E-01 | 2,05E-01 | 2,02E-01 |
| 3 | 4,18E-02 | 1,40E-01 | 2,74E-01 | 2,71E-01 | 6,87E-02 | 2,17E-01 | 4,18E-01 | 4,10E-01 |
| 3,5 | 4,80E-02 | 1,61E-01 | 3,15E-01 | 3,11E-01 | 7,99E-02 | 2,50E-01 | 4,81E-01 | 4,72E-01 |
| 4 | 5,18E-02 | 1,74E-01 | 3,40E-01 | 3,36E-01 | 8,72E-02 | 2,70E-01 | 5,19E-01 | 5,10E-01 |
| 5 | 5,51E-02 | 1,85E-01 | 3,61E-01 | 3,57E-01 | 9,49E-02 | 2,88E-01 | 5,52E-01 | 5,42E-01 |
| 6 | 5,59E-02 | 1,88E-01 | 3,66E-01 | 3,62E-01 | 9,83E-02 | 2,94E-01 | 5,61E-01 | 5,50E-01 |
| 7 | 5,61E-02 | 1,88E-01 | 3,67E-01 | 3,63E-01 | 1,00E-01 | 2,96E-01 | 5,64E-01 | 5,52E-01 |
| 8 | 5,62E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,02E-01 | 2,97E-01 | 5,65E-01 | 5,53E-01 |
| 9 | 5,62E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,03E-01 | 2,97E-01 | 5,65E-01 | 5,53E-01 |
| 10 | 5,62E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,04E-01 | 2,98E-01 | 5,66E-01 | 5,54E-01 |
| 11 | 5,62E-02 | 1,89E-01 | 3,68E-01 | 3,64E-01 | 1,05E-01 | 2,98E-01 | 5,66E-01 | 5,54E-01 |
| 12 | 5,62E-02 | 1,89E-01 | 3,68E-01 | 3,64E-01 | 1,05E-01 | 2,98E-01 | 5,66E-01 | 5,54E-01 |
| 13 | 5,62E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,06E-01 | 2,99E-01 | 5,66E-01 | 5,54E-01 |
| 14 | 5,62E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,06E-01 | 2,99E-01 | 5,66E-01 | 5,54E-01 |
| 15 | 5,62E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,07E-01 | 2,99E-01 | 5,66E-01 | 5,54E-01 |
| 20 | 5,63E-02 | 1,89E-01 | 3,68E-01 | 3,64E-01 | 1,08E-01 | 3,00E-01 | 5,67E-01 | 5,54E-01 |
| 30 | 5,63E-02 | 1,89E-01 | 3,68E-01 | 3,64E-01 | 1,09E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 40 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,09E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 45 | 5,63E-02 | 1,89E-01 | 3,68E-01 | 3,64E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 50 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 60 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 70 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 80 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 90 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 100 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,64E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 120 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 180 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 200 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 300 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 360 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 365 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 400 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 500 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 600 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 700 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 800 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 900 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 1000 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 2000 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 3000 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 4000 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 5000 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 6000 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 8000 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 10000 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 13500 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 14600 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| 18250 | 5,63E-02 | 1,88E-01 | 3,68E-01 | 3,63E-01 | 1,10E-01 | 3,01E-01 | 5,67E-01 | 5,54E-01 |
| Eff. Dosis | 2,9E-07 | 3,1E-07 | 3,7E-07 | 3,2E-07 | 3,6E-06 | 2,4E-06 | 1,6E-06 | 9,0E-07 |
| Gebärmutter | 4,9E-08 | 5,4E-08 | 6,4E-08 | 5,5E-08 | 1,2E-08 | 9,0E-09 | 5,5E-09 | 3,1E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-227 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,31E-03 | 1,08E-02 | 2,08E-02 | 2,04E-02 | 5,71E-02 | 1,61E-04 |
| 2 | 3,36E-02 | 1,07E-01 | 2,07E-01 | 2,03E-01 | 4,40E-01 | 1,39E-03 |
| 3 | 6,98E-02 | 2,19E-01 | 4,21E-01 | 4,13E-01 | 7,65E-01 | 2,74E-03 |
| 3,5 | 8,14E-02 | 2,52E-01 | 4,85E-01 | 4,76E-01 | 8,42E-01 | 3,17E-03 |
| 4 | 8,91E-02 | 2,73E-01 | 5,23E-01 | 5,13E-01 | 8,83E-01 | 3,48E-03 |
| 5 | 9,74E-02 | 2,91E-01 | 5,57E-01 | 5,46E-01 | 9,13E-01 | 3,84E-03 |
| 6 | 1,01E-01 | 2,97E-01 | 5,66E-01 | 5,54E-01 | 9,20E-01 | 4,06E-03 |
| 7 | 1,04E-01 | 2,99E-01 | 5,69E-01 | 5,57E-01 | 9,21E-01 | 4,20E-03 |
| 8 | 1,06E-01 | 3,00E-01 | 5,70E-01 | 5,57E-01 | 9,21E-01 | 4,30E-03 |
| 9 | 1,07E-01 | 3,01E-01 | 5,70E-01 | 5,58E-01 | 9,21E-01 | 4,38E-03 |
| 10 | 1,09E-01 | 3,02E-01 | 5,71E-01 | 5,58E-01 | 9,21E-01 | 4,44E-03 |
| 11 | 1,10E-01 | 3,02E-01 | 5,71E-01 | 5,58E-01 | 9,21E-01 | 4,48E-03 |
| 12 | 1,10E-01 | 3,03E-01 | 5,71E-01 | 5,58E-01 | 9,21E-01 | 4,52E-03 |
| 13 | 1,11E-01 | 3,03E-01 | 5,72E-01 | 5,58E-01 | 9,21E-01 | 4,55E-03 |
| 14 | 1,12E-01 | 3,03E-01 | 5,72E-01 | 5,58E-01 | 9,21E-01 | 4,57E-03 |
| 15 | 1,12E-01 | 3,04E-01 | 5,72E-01 | 5,58E-01 | 9,21E-01 | 4,59E-03 |
| 20 | 1,14E-01 | 3,05E-01 | 5,72E-01 | 5,59E-01 | 9,21E-01 | 4,67E-03 |
| 30 | 1,15E-01 | 3,06E-01 | 5,73E-01 | 5,59E-01 | 9,21E-01 | 4,77E-03 |
| 40 | 1,16E-01 | 3,06E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,83E-03 |
| 45 | 1,16E-01 | 3,06E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,86E-03 |
| 50 | 1,16E-01 | 3,06E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,88E-03 |
| 60 | 1,16E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,91E-03 |
| 70 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,93E-03 |
| 80 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,94E-03 |
| 90 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,95E-03 |
| 100 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,95E-03 |
| 120 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,96E-03 |
| 180 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 200 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 300 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 360 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 365 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 400 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 500 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 600 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 700 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 800 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 900 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 1000 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 2000 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 3000 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 4000 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 5000 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 6000 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 8000 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 10000 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 13500 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 14600 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| 18250 | 1,17E-01 | 3,07E-01 | 5,73E-01 | 5,59E-01 | 9,20E-01 | 4,97E-03 |
| Eff. Dosis | 4,9E-06 | 3,3E-06 | 2,1E-06 | 1,2E-06 | 1,3E-09 | 1,3E-06 |
| Gebärmutter | 5,6E-10 | 4,6E-10 | 3,6E-10 | 2,5E-10 | 4,3E-10 | 2,3E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

Th-227

| Zeit (d) | Inhalation Wasserlösliche Verbindungen, u.a. Chlorid, Citrat, Nitrat, Sulfat, Fluorid | | | |
|-------------|---|----------|----------|----------|
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,19E-03 | 1,04E-02 | 2,01E-02 | 1,97E-02 |
| 2 | 3,23E-02 | 1,04E-01 | 2,00E-01 | 1,96E-01 |
| 3 | 6,71E-02 | 2,11E-01 | 4,07E-01 | 3,99E-01 |
| 3,5 | 7,82E-02 | 2,43E-01 | 4,68E-01 | 4,59E-01 |
| 4 | 8,54E-02 | 2,63E-01 | 5,05E-01 | 4,96E-01 |
| 5 | 9,32E-02 | 2,81E-01 | 5,37E-01 | 5,27E-01 |
| 6 | 9,69E-02 | 2,86E-01 | 5,46E-01 | 5,35E-01 |
| 7 | 9,92E-02 | 2,88E-01 | 5,49E-01 | 5,37E-01 |
| 8 | 1,01E-01 | 2,89E-01 | 5,50E-01 | 5,38E-01 |
| 9 | 1,02E-01 | 2,90E-01 | 5,50E-01 | 5,38E-01 |
| 10 | 1,03E-01 | 2,91E-01 | 5,51E-01 | 5,39E-01 |
| 11 | 1,04E-01 | 2,91E-01 | 5,51E-01 | 5,39E-01 |
| 12 | 1,05E-01 | 2,91E-01 | 5,51E-01 | 5,39E-01 |
| 13 | 1,05E-01 | 2,92E-01 | 5,51E-01 | 5,39E-01 |
| 14 | 1,06E-01 | 2,92E-01 | 5,51E-01 | 5,39E-01 |
| 15 | 1,06E-01 | 2,92E-01 | 5,52E-01 | 5,39E-01 |
| 20 | 1,08E-01 | 2,93E-01 | 5,52E-01 | 5,39E-01 |
| 30 | 1,09E-01 | 2,94E-01 | 5,52E-01 | 5,39E-01 |
| 40 | 1,09E-01 | 2,94E-01 | 5,52E-01 | 5,39E-01 |
| 45 | 1,10E-01 | 2,94E-01 | 5,53E-01 | 5,39E-01 |
| 50 | 1,10E-01 | 2,94E-01 | 5,53E-01 | 5,39E-01 |
| 60 | 1,10E-01 | 2,95E-01 | 5,53E-01 | 5,39E-01 |
| 70 | 1,10E-01 | 2,95E-01 | 5,53E-01 | 5,39E-01 |
| 80 | 1,10E-01 | 2,95E-01 | 5,53E-01 | 5,39E-01 |
| 90 | 1,10E-01 | 2,95E-01 | 5,53E-01 | 5,39E-01 |
| 100 | 1,10E-01 | 2,95E-01 | 5,53E-01 | 5,39E-01 |
| 120 | 1,10E-01 | 2,95E-01 | 5,53E-01 | 5,39E-01 |
| 180 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 200 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 300 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 360 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 365 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 400 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 500 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 600 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 700 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 800 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 900 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 1000 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 2000 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 3000 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 4000 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 5000 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 6000 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 8000 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 10000 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 13500 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 14600 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| 18250 | 1,10E-01 | 2,95E-01 | 5,52E-01 | 5,39E-01 |
| Eff. Dosis | 4,0E-06 | 2,7E-06 | 1,7E-06 | 1,0E-06 |
| Gebärmutter | 9,5E-09 | 8,8E-09 | 8,3E-09 | 6,5E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-228 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,16E-03 | 7,25E-03 | 1,41E-02 | 1,40E-02 | 3,38E-03 | 1,10E-02 | 2,12E-02 | 2,09E-02 |
| 2 | 2,18E-02 | 7,30E-02 | 1,42E-01 | 1,41E-01 | 3,50E-02 | 1,12E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 4,49E-02 | 1,51E-01 | 2,94E-01 | 2,91E-01 | 7,39E-02 | 2,33E-01 | 4,49E-01 | 4,41E-01 |
| 3,5 | 5,19E-02 | 1,74E-01 | 3,40E-01 | 3,37E-01 | 8,65E-02 | 2,70E-01 | 5,20E-01 | 5,11E-01 |
| 4 | 5,63E-02 | 1,89E-01 | 3,69E-01 | 3,65E-01 | 9,49E-02 | 2,94E-01 | 5,64E-01 | 5,53E-01 |
| 5 | 6,01E-02 | 2,02E-01 | 3,93E-01 | 3,89E-01 | 1,04E-01 | 3,15E-01 | 6,03E-01 | 5,91E-01 |
| 6 | 6,11E-02 | 2,05E-01 | 4,00E-01 | 3,96E-01 | 1,08E-01 | 3,21E-01 | 6,14E-01 | 6,01E-01 |
| 7 | 6,14E-02 | 2,06E-01 | 4,02E-01 | 3,97E-01 | 1,11E-01 | 3,24E-01 | 6,17E-01 | 6,04E-01 |
| 8 | 6,14E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,13E-01 | 3,25E-01 | 6,18E-01 | 6,05E-01 |
| 9 | 6,15E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,14E-01 | 3,26E-01 | 6,19E-01 | 6,05E-01 |
| 10 | 6,15E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,16E-01 | 3,27E-01 | 6,19E-01 | 6,06E-01 |
| 11 | 6,15E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,17E-01 | 3,27E-01 | 6,20E-01 | 6,06E-01 |
| 12 | 6,15E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,18E-01 | 3,28E-01 | 6,20E-01 | 6,06E-01 |
| 13 | 6,15E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,18E-01 | 3,28E-01 | 6,20E-01 | 6,06E-01 |
| 14 | 6,15E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,19E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 |
| 15 | 6,16E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,20E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 |
| 20 | 6,16E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,22E-01 | 3,30E-01 | 6,21E-01 | 6,07E-01 |
| 30 | 6,16E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,24E-01 | 3,32E-01 | 6,22E-01 | 6,07E-01 |
| 40 | 6,17E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,26E-01 | 3,33E-01 | 6,23E-01 | 6,08E-01 |
| 45 | 6,17E-02 | 2,06E-01 | 4,02E-01 | 3,98E-01 | 1,27E-01 | 3,34E-01 | 6,23E-01 | 6,08E-01 |
| 50 | 6,17E-02 | 2,06E-01 | 4,03E-01 | 3,98E-01 | 1,28E-01 | 3,35E-01 | 6,24E-01 | 6,08E-01 |
| 60 | 6,18E-02 | 2,06E-01 | 4,03E-01 | 3,98E-01 | 1,30E-01 | 3,36E-01 | 6,24E-01 | 6,08E-01 |
| 70 | 6,18E-02 | 2,07E-01 | 4,03E-01 | 3,98E-01 | 1,31E-01 | 3,37E-01 | 6,25E-01 | 6,08E-01 |
| 80 | 6,19E-02 | 2,07E-01 | 4,03E-01 | 3,98E-01 | 1,32E-01 | 3,38E-01 | 6,25E-01 | 6,09E-01 |
| 90 | 6,19E-02 | 2,07E-01 | 4,03E-01 | 3,98E-01 | 1,33E-01 | 3,38E-01 | 6,25E-01 | 6,09E-01 |
| 100 | 6,20E-02 | 2,07E-01 | 4,03E-01 | 3,98E-01 | 1,34E-01 | 3,39E-01 | 6,26E-01 | 6,09E-01 |
| 120 | 6,20E-02 | 2,07E-01 | 4,03E-01 | 3,98E-01 | 1,36E-01 | 3,41E-01 | 6,27E-01 | 6,09E-01 |
| 180 | 6,23E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,40E-01 | 3,43E-01 | 6,28E-01 | 6,10E-01 |
| 200 | 6,23E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,41E-01 | 3,44E-01 | 6,28E-01 | 6,10E-01 |
| 300 | 6,26E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,44E-01 | 3,46E-01 | 6,29E-01 | 6,10E-01 |
| 360 | 6,28E-02 | 2,08E-01 | 4,04E-01 | 3,99E-01 | 1,45E-01 | 3,47E-01 | 6,30E-01 | 6,11E-01 |
| 365 | 6,28E-02 | 2,08E-01 | 4,04E-01 | 3,99E-01 | 1,45E-01 | 3,47E-01 | 6,30E-01 | 6,11E-01 |
| 400 | 6,28E-02 | 2,08E-01 | 4,04E-01 | 3,99E-01 | 1,45E-01 | 3,47E-01 | 6,30E-01 | 6,11E-01 |
| 500 | 6,30E-02 | 2,08E-01 | 4,04E-01 | 3,99E-01 | 1,46E-01 | 3,47E-01 | 6,30E-01 | 6,11E-01 |
| 600 | 6,32E-02 | 2,08E-01 | 4,04E-01 | 4,00E-01 | 1,46E-01 | 3,48E-01 | 6,30E-01 | 6,11E-01 |
| 700 | 6,33E-02 | 2,08E-01 | 4,04E-01 | 4,00E-01 | 1,46E-01 | 3,48E-01 | 6,30E-01 | 6,11E-01 |
| 800 | 6,34E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,11E-01 |
| 900 | 6,35E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,11E-01 |
| 1000 | 6,35E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,11E-01 |
| 2000 | 6,38E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,11E-01 |
| 3000 | 6,38E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 4000 | 6,39E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 5000 | 6,39E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 6000 | 6,39E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 8000 | 6,39E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 10000 | 6,39E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 13500 | 6,39E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 14600 | 6,39E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 18250 | 6,39E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| Eff. Dosis | 1,3E-05 | 1,4E-05 | 1,7E-05 | 1,4E-05 | 2,0E-05 | 1,5E-05 | 9,1E-06 | 5,1E-06 |
| Gebärmutter | 1,7E-06 | 1,9E-06 | 2,3E-06 | 1,9E-06 | 9,2E-07 | 6,7E-07 | 3,7E-07 | 1,9E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-228 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,87E-02 | 1,66E-04 |
| 2 | 3,55E-02 | 1,13E-01 | 2,19E-01 | 2,14E-01 | 4,64E-01 | 1,46E-03 |
| 3 | 7,51E-02 | 2,35E-01 | 4,53E-01 | 4,44E-01 | 8,19E-01 | 2,94E-03 |
| 3,5 | 8,82E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 | 9,05E-01 | 3,43E-03 |
| 4 | 9,70E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 | 9,52E-01 | 3,78E-03 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,95E-01 | 9,87E-01 | 4,21E-03 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 | 9,95E-01 | 4,47E-03 |
| 7 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 | 9,97E-01 | 4,65E-03 |
| 8 | 1,17E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,97E-01 | 4,78E-03 |
| 9 | 1,19E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 | 9,97E-01 | 4,89E-03 |
| 10 | 1,21E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 | 9,97E-01 | 4,97E-03 |
| 11 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 | 9,97E-01 | 5,04E-03 |
| 12 | 1,24E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 | 9,97E-01 | 5,09E-03 |
| 13 | 1,25E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 | 9,97E-01 | 5,14E-03 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,11E-01 | 9,97E-01 | 5,18E-03 |
| 15 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 9,97E-01 | 5,22E-03 |
| 20 | 1,29E-01 | 3,36E-01 | 6,28E-01 | 6,12E-01 | 9,97E-01 | 5,36E-03 |
| 30 | 1,33E-01 | 3,39E-01 | 6,29E-01 | 6,13E-01 | 9,97E-01 | 5,60E-03 |
| 40 | 1,35E-01 | 3,40E-01 | 6,30E-01 | 6,13E-01 | 9,97E-01 | 5,83E-03 |
| 45 | 1,37E-01 | 3,41E-01 | 6,31E-01 | 6,13E-01 | 9,97E-01 | 5,94E-03 |
| 50 | 1,38E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 | 9,97E-01 | 6,05E-03 |
| 60 | 1,40E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 | 9,97E-01 | 6,26E-03 |
| 70 | 1,43E-01 | 3,46E-01 | 6,33E-01 | 6,14E-01 | 9,97E-01 | 6,47E-03 |
| 80 | 1,45E-01 | 3,47E-01 | 6,34E-01 | 6,15E-01 | 9,97E-01 | 6,68E-03 |
| 90 | 1,47E-01 | 3,49E-01 | 6,34E-01 | 6,15E-01 | 9,97E-01 | 6,88E-03 |
| 100 | 1,49E-01 | 3,50E-01 | 6,35E-01 | 6,15E-01 | 9,97E-01 | 7,07E-03 |
| 120 | 1,53E-01 | 3,53E-01 | 6,36E-01 | 6,16E-01 | 9,97E-01 | 7,45E-03 |
| 180 | 1,63E-01 | 3,60E-01 | 6,40E-01 | 6,17E-01 | 9,97E-01 | 8,48E-03 |
| 200 | 1,65E-01 | 3,62E-01 | 6,41E-01 | 6,18E-01 | 9,97E-01 | 8,79E-03 |
| 300 | 1,76E-01 | 3,70E-01 | 6,45E-01 | 6,20E-01 | 9,97E-01 | 1,02E-02 |
| 360 | 1,81E-01 | 3,73E-01 | 6,46E-01 | 6,20E-01 | 9,97E-01 | 1,08E-02 |
| 365 | 1,81E-01 | 3,73E-01 | 6,46E-01 | 6,20E-01 | 9,97E-01 | 1,09E-02 |
| 400 | 1,84E-01 | 3,75E-01 | 6,47E-01 | 6,21E-01 | 9,97E-01 | 1,12E-02 |
| 500 | 1,88E-01 | 3,78E-01 | 6,49E-01 | 6,21E-01 | 9,97E-01 | 1,21E-02 |
| 600 | 1,92E-01 | 3,81E-01 | 6,50E-01 | 6,22E-01 | 9,97E-01 | 1,28E-02 |
| 700 | 1,94E-01 | 3,82E-01 | 6,51E-01 | 6,22E-01 | 9,97E-01 | 1,34E-02 |
| 800 | 1,95E-01 | 3,83E-01 | 6,51E-01 | 6,22E-01 | 9,97E-01 | 1,38E-02 |
| 900 | 1,96E-01 | 3,84E-01 | 6,52E-01 | 6,22E-01 | 9,97E-01 | 1,42E-02 |
| 1000 | 1,97E-01 | 3,84E-01 | 6,52E-01 | 6,23E-01 | 9,97E-01 | 1,45E-02 |
| 2000 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,96E-01 | 1,59E-02 |
| 3000 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,63E-02 |
| 4000 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,64E-02 |
| 5000 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,64E-02 |
| 6000 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,64E-02 |
| 8000 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,64E-02 |
| 10000 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,64E-02 |
| 13500 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,64E-02 |
| 14600 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,64E-02 |
| 18250 | 1,98E-01 | 3,85E-01 | 6,52E-01 | 6,22E-01 | 9,95E-01 | 1,64E-02 |
| Eff. Dosis | 4,6E-05 | 3,5E-05 | 2,3E-05 | 1,4E-05 | 3,1E-08 | 5,9E-05 |
| Gebärmutter | 7,11E-08 | 5,2E-08 | 2,8E-08 | 1,4E-08 | 4,5E-09 | 8,0E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-228 | | | | |
|---|----------|----------|----------|----------|
| Inhalation Wasserlösliche Verbindungen, u.a. Chlorid, Citrat, Nitrat, Sulfat, Fluorid | | | | |
| Zeit (d) | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,29E-03 | 1,07E-02 | 2,07E-02 | 2,03E-02 |
| 2 | 3,41E-02 | 1,09E-01 | 2,11E-01 | 2,07E-01 |
| 3 | 7,21E-02 | 2,27E-01 | 4,37E-01 | 4,29E-01 |
| 3,5 | 8,46E-02 | 2,63E-01 | 5,06E-01 | 4,97E-01 |
| 4 | 9,29E-02 | 2,86E-01 | 5,49E-01 | 5,38E-01 |
| 5 | 1,02E-01 | 3,06E-01 | 5,86E-01 | 5,75E-01 |
| 6 | 1,07E-01 | 3,13E-01 | 5,97E-01 | 5,85E-01 |
| 7 | 1,10E-01 | 3,16E-01 | 6,00E-01 | 5,88E-01 |
| 8 | 1,12E-01 | 3,17E-01 | 6,02E-01 | 5,89E-01 |
| 9 | 1,13E-01 | 3,18E-01 | 6,02E-01 | 5,89E-01 |
| 10 | 1,15E-01 | 3,19E-01 | 6,03E-01 | 5,89E-01 |
| 11 | 1,16E-01 | 3,20E-01 | 6,03E-01 | 5,90E-01 |
| 12 | 1,17E-01 | 3,20E-01 | 6,04E-01 | 5,90E-01 |
| 13 | 1,18E-01 | 3,21E-01 | 6,04E-01 | 5,90E-01 |
| 14 | 1,19E-01 | 3,21E-01 | 6,04E-01 | 5,90E-01 |
| 15 | 1,20E-01 | 3,22E-01 | 6,05E-01 | 5,90E-01 |
| 20 | 1,22E-01 | 3,23E-01 | 6,05E-01 | 5,91E-01 |
| 30 | 1,25E-01 | 3,25E-01 | 6,06E-01 | 5,91E-01 |
| 40 | 1,27E-01 | 3,27E-01 | 6,07E-01 | 5,92E-01 |
| 45 | 1,28E-01 | 3,27E-01 | 6,08E-01 | 5,92E-01 |
| 50 | 1,29E-01 | 3,28E-01 | 6,08E-01 | 5,92E-01 |
| 60 | 1,31E-01 | 3,29E-01 | 6,09E-01 | 5,92E-01 |
| 70 | 1,32E-01 | 3,30E-01 | 6,09E-01 | 5,92E-01 |
| 80 | 1,34E-01 | 3,31E-01 | 6,10E-01 | 5,93E-01 |
| 90 | 1,35E-01 | 3,32E-01 | 6,10E-01 | 5,93E-01 |
| 100 | 1,36E-01 | 3,33E-01 | 6,11E-01 | 5,93E-01 |
| 120 | 1,38E-01 | 3,35E-01 | 6,11E-01 | 5,93E-01 |
| 180 | 1,43E-01 | 3,38E-01 | 6,13E-01 | 5,94E-01 |
| 200 | 1,44E-01 | 3,39E-01 | 6,13E-01 | 5,94E-01 |
| 300 | 1,47E-01 | 3,41E-01 | 6,14E-01 | 5,95E-01 |
| 360 | 1,48E-01 | 3,42E-01 | 6,15E-01 | 5,95E-01 |
| 365 | 1,48E-01 | 3,42E-01 | 6,15E-01 | 5,95E-01 |
| 400 | 1,48E-01 | 3,42E-01 | 6,15E-01 | 5,95E-01 |
| 500 | 1,49E-01 | 3,42E-01 | 6,15E-01 | 5,95E-01 |
| 600 | 1,49E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 700 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 800 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 900 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 1000 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 2000 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 3000 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 4000 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 5000 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 6000 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 8000 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 10000 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 13500 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 14600 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| 18250 | 1,50E-01 | 3,43E-01 | 6,15E-01 | 5,95E-01 |
| Eff. Dosis | 2,2E-05 | 1,6E-05 | 1,1E-05 | 6,5E-06 |
| Gebärmutter | 8,8E-07 | 7,0E-07 | 4,8E-07 | 3,1E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-229 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,17E-03 | 7,25E-03 | 1,41E-02 | 1,40E-02 | 3,38E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 2,18E-02 | 7,31E-02 | 1,43E-01 | 1,41E-01 | 3,51E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 4,50E-02 | 1,51E-01 | 2,95E-01 | 2,91E-01 | 7,40E-02 | 2,34E-01 | 4,50E-01 | 4,42E-01 |
| 3,5 | 5,20E-02 | 1,75E-01 | 3,41E-01 | 3,37E-01 | 8,67E-02 | 2,71E-01 | 5,21E-01 | 5,12E-01 |
| 4 | 5,64E-02 | 1,89E-01 | 3,70E-01 | 3,65E-01 | 9,51E-02 | 2,94E-01 | 5,65E-01 | 5,55E-01 |
| 5 | 6,02E-02 | 2,02E-01 | 3,94E-01 | 3,90E-01 | 1,04E-01 | 3,15E-01 | 6,04E-01 | 5,92E-01 |
| 6 | 6,13E-02 | 2,06E-01 | 4,01E-01 | 3,97E-01 | 1,08E-01 | 3,22E-01 | 6,15E-01 | 6,03E-01 |
| 7 | 6,15E-02 | 2,06E-01 | 4,03E-01 | 3,98E-01 | 1,11E-01 | 3,24E-01 | 6,18E-01 | 6,06E-01 |
| 8 | 6,16E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,13E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 |
| 9 | 6,16E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,15E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 |
| 10 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,16E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 |
| 11 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,17E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 |
| 12 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,18E-01 | 3,29E-01 | 6,21E-01 | 6,08E-01 |
| 13 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,19E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 |
| 14 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,20E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 |
| 15 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,20E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 |
| 20 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,22E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 |
| 30 | 6,18E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,25E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 |
| 40 | 6,18E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,27E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 |
| 45 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,28E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 |
| 50 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,29E-01 | 3,36E-01 | 6,25E-01 | 6,09E-01 |
| 60 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,30E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 |
| 70 | 6,20E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,32E-01 | 3,38E-01 | 6,26E-01 | 6,10E-01 |
| 80 | 6,20E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,33E-01 | 3,39E-01 | 6,27E-01 | 6,10E-01 |
| 90 | 6,21E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,34E-01 | 3,40E-01 | 6,27E-01 | 6,10E-01 |
| 100 | 6,21E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,36E-01 | 3,41E-01 | 6,28E-01 | 6,11E-01 |
| 120 | 6,22E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,38E-01 | 3,42E-01 | 6,28E-01 | 6,11E-01 |
| 180 | 6,25E-02 | 2,08E-01 | 4,04E-01 | 4,00E-01 | 1,42E-01 | 3,45E-01 | 6,30E-01 | 6,12E-01 |
| 200 | 6,26E-02 | 2,08E-01 | 4,04E-01 | 4,00E-01 | 1,44E-01 | 3,46E-01 | 6,31E-01 | 6,12E-01 |
| 300 | 6,29E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,49E-01 | 6,32E-01 | 6,12E-01 |
| 360 | 6,31E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,48E-01 | 3,50E-01 | 6,32E-01 | 6,13E-01 |
| 365 | 6,32E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,48E-01 | 3,50E-01 | 6,32E-01 | 6,13E-01 |
| 400 | 6,33E-02 | 2,08E-01 | 4,05E-01 | 4,01E-01 | 1,49E-01 | 3,50E-01 | 6,33E-01 | 6,13E-01 |
| 500 | 6,36E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 600 | 6,38E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 700 | 6,41E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,51E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 800 | 6,43E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 900 | 6,45E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 1000 | 6,46E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 2000 | 6,59E-02 | 2,11E-01 | 4,09E-01 | 4,03E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 3000 | 6,67E-02 | 2,12E-01 | 4,10E-01 | 4,04E-01 | 1,52E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 4000 | 6,74E-02 | 2,13E-01 | 4,11E-01 | 4,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 5000 | 6,80E-02 | 2,14E-01 | 4,12E-01 | 4,06E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,14E-01 |
| 6000 | 6,86E-02 | 2,14E-01 | 4,12E-01 | 4,07E-01 | 1,54E-01 | 3,54E-01 | 6,34E-01 | 6,14E-01 |
| 8000 | 6,96E-02 | 2,15E-01 | 4,14E-01 | 4,08E-01 | 1,54E-01 | 3,54E-01 | 6,35E-01 | 6,14E-01 |
| 10000 | 7,05E-02 | 2,16E-01 | 4,15E-01 | 4,09E-01 | 1,55E-01 | 3,54E-01 | 6,35E-01 | 6,14E-01 |
| 13500 | 7,18E-02 | 2,18E-01 | 4,17E-01 | 4,10E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| 14600 | 7,22E-02 | 2,18E-01 | 4,17E-01 | 4,11E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| 18250 | 7,22E-02 | 2,18E-01 | 4,17E-01 | 4,11E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| Eff. Dosis | 9,0E-05 | 9,9E-05 | 1,2E-04 | 1,0E-04 | 6,5E-05 | 4,8E-05 | 2,7E-05 | 1,4E-05 |
| Gebärmutter | 1,1E-05 | 1,2E-05 | 1,4E-05 | 1,2E-05 | 6,2E-06 | 4,5E-06 | 2,5E-06 | 1,2E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-229 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 1,66E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 1,46E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 2,95E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 9,07E-01 | 3,44E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 3,79E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 4,22E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,98E-01 | 4,48E-03 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 4,66E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 4,80E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 4,90E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 4,98E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 5,05E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,11E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,16E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,20E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 5,23E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 5,38E-03 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 1,00E+00 | 5,63E-03 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 5,86E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 5,98E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 6,09E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 6,32E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 6,54E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 6,76E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 6,98E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 7,20E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 7,62E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 8,82E-03 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 9,19E-03 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 1,00E+00 | 1,09E-02 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 1,00E+00 | 1,19E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 1,00E+00 | 1,20E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 1,25E-02 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 1,38E-02 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 1,50E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 1,61E-02 |
| 800 | 2,14E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 1,71E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,28E-01 | 1,00E+00 | 1,80E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,88E-02 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 1,00E+00 | 2,45E-02 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 1,00E+00 | 2,85E-02 |
| 4000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,17E-02 |
| 5000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,46E-02 |
| 6000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,72E-02 |
| 8000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 4,18E-02 |
| 10000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 4,59E-02 |
| 13500 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,23E-02 |
| 14600 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,41E-02 |
| 18250 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,41E-02 |
| Eff. Dosis | 2,2E-04 | 1,7E-04 | 9,4E-05 | 5,0E-05 | 2,1E-07 | 4,2E-04 |
| Gebärmutter | 1,61E-06 | 1,2E-06 | 6,0E-07 | 2,8E-07 | 2,5E-08 | 4,9E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-229 | | | | |
|---|----------|----------|----------|----------|
| Inhalation Wasserlösliche Verbindungen, u.a. Chlorid, Citrat, Nitrat, Sulfat, Fluorid | | | | |
| Zeit (d) | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,29E-03 | 1,07E-02 | 2,07E-02 | 2,03E-02 |
| 2 | 3,42E-02 | 1,10E-01 | 2,11E-01 | 2,07E-01 |
| 3 | 7,23E-02 | 2,27E-01 | 4,38E-01 | 4,30E-01 |
| 3,5 | 8,48E-02 | 2,64E-01 | 5,07E-01 | 4,98E-01 |
| 4 | 9,32E-02 | 2,86E-01 | 5,50E-01 | 5,39E-01 |
| 5 | 1,02E-01 | 3,07E-01 | 5,88E-01 | 5,76E-01 |
| 6 | 1,07E-01 | 3,14E-01 | 5,99E-01 | 5,86E-01 |
| 7 | 1,10E-01 | 3,16E-01 | 6,02E-01 | 5,89E-01 |
| 8 | 1,12E-01 | 3,18E-01 | 6,03E-01 | 5,90E-01 |
| 9 | 1,14E-01 | 3,19E-01 | 6,04E-01 | 5,91E-01 |
| 10 | 1,15E-01 | 3,20E-01 | 6,04E-01 | 5,91E-01 |
| 11 | 1,17E-01 | 3,20E-01 | 6,05E-01 | 5,91E-01 |
| 12 | 1,18E-01 | 3,21E-01 | 6,05E-01 | 5,91E-01 |
| 13 | 1,19E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 14 | 1,19E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 15 | 1,20E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 20 | 1,23E-01 | 3,24E-01 | 6,07E-01 | 5,92E-01 |
| 30 | 1,25E-01 | 3,26E-01 | 6,08E-01 | 5,93E-01 |
| 40 | 1,28E-01 | 3,28E-01 | 6,09E-01 | 5,93E-01 |
| 45 | 1,29E-01 | 3,28E-01 | 6,09E-01 | 5,93E-01 |
| 50 | 1,30E-01 | 3,29E-01 | 6,10E-01 | 5,93E-01 |
| 60 | 1,31E-01 | 3,30E-01 | 6,10E-01 | 5,94E-01 |
| 70 | 1,33E-01 | 3,31E-01 | 6,11E-01 | 5,94E-01 |
| 80 | 1,35E-01 | 3,33E-01 | 6,11E-01 | 5,94E-01 |
| 90 | 1,36E-01 | 3,34E-01 | 6,12E-01 | 5,95E-01 |
| 100 | 1,37E-01 | 3,35E-01 | 6,12E-01 | 5,95E-01 |
| 120 | 1,40E-01 | 3,36E-01 | 6,13E-01 | 5,95E-01 |
| 180 | 1,45E-01 | 3,40E-01 | 6,15E-01 | 5,96E-01 |
| 200 | 1,46E-01 | 3,41E-01 | 6,16E-01 | 5,96E-01 |
| 300 | 1,50E-01 | 3,44E-01 | 6,17E-01 | 5,97E-01 |
| 360 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 365 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 400 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 500 | 1,53E-01 | 3,46E-01 | 6,18E-01 | 5,97E-01 |
| 600 | 1,54E-01 | 3,46E-01 | 6,18E-01 | 5,98E-01 |
| 700 | 1,54E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 800 | 1,54E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 900 | 1,55E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 1000 | 1,55E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 2000 | 1,55E-01 | 3,48E-01 | 6,19E-01 | 5,98E-01 |
| 3000 | 1,56E-01 | 3,48E-01 | 6,19E-01 | 5,98E-01 |
| 4000 | 1,56E-01 | 3,48E-01 | 6,20E-01 | 5,98E-01 |
| 5000 | 1,57E-01 | 3,49E-01 | 6,20E-01 | 5,98E-01 |
| 6000 | 1,57E-01 | 3,49E-01 | 6,20E-01 | 5,99E-01 |
| 8000 | 1,58E-01 | 3,49E-01 | 6,20E-01 | 5,99E-01 |
| 10000 | 1,58E-01 | 3,50E-01 | 6,21E-01 | 5,99E-01 |
| 13500 | 1,59E-01 | 3,50E-01 | 6,21E-01 | 5,99E-01 |
| 14600 | 1,59E-01 | 3,51E-01 | 6,21E-01 | 5,99E-01 |
| 18250 | 1,59E-01 | 3,51E-01 | 6,21E-01 | 5,99E-01 |
| Eff. Dosis | 6,5E-05 | 5,1E-05 | 3,4E-05 | 2,1E-05 |
| Gebärmutter | 6,0E-06 | 4,7E-06 | 3,2E-06 | 2,0E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-230 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,16E-03 | 7,25E-03 | 1,41E-02 | 1,40E-02 | 3,38E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 2,18E-02 | 7,31E-02 | 1,43E-01 | 1,41E-01 | 3,51E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 4,50E-02 | 1,51E-01 | 2,95E-01 | 2,91E-01 | 7,40E-02 | 2,34E-01 | 4,50E-01 | 4,42E-01 |
| 3,5 | 5,20E-02 | 1,75E-01 | 3,41E-01 | 3,37E-01 | 8,67E-02 | 2,71E-01 | 5,21E-01 | 5,12E-01 |
| 4 | 5,64E-02 | 1,89E-01 | 3,70E-01 | 3,65E-01 | 9,51E-02 | 2,94E-01 | 5,65E-01 | 5,55E-01 |
| 5 | 6,02E-02 | 2,02E-01 | 3,94E-01 | 3,90E-01 | 1,04E-01 | 3,15E-01 | 6,04E-01 | 5,92E-01 |
| 6 | 6,13E-02 | 2,06E-01 | 4,01E-01 | 3,97E-01 | 1,08E-01 | 3,22E-01 | 6,15E-01 | 6,03E-01 |
| 7 | 6,15E-02 | 2,06E-01 | 4,03E-01 | 3,98E-01 | 1,11E-01 | 3,24E-01 | 6,18E-01 | 6,06E-01 |
| 8 | 6,16E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,13E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 |
| 9 | 6,16E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,15E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 |
| 10 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,16E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 |
| 11 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,17E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 |
| 12 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,18E-01 | 3,29E-01 | 6,21E-01 | 6,08E-01 |
| 13 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,19E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 |
| 14 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,20E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 |
| 15 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,20E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 |
| 20 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,22E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 |
| 30 | 6,18E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,25E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 |
| 40 | 6,18E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,27E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 |
| 45 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,28E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 |
| 50 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,29E-01 | 3,36E-01 | 6,25E-01 | 6,09E-01 |
| 60 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,30E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 |
| 70 | 6,20E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,32E-01 | 3,38E-01 | 6,26E-01 | 6,10E-01 |
| 80 | 6,20E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,33E-01 | 3,39E-01 | 6,27E-01 | 6,10E-01 |
| 90 | 6,21E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,34E-01 | 3,40E-01 | 6,27E-01 | 6,10E-01 |
| 100 | 6,21E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,36E-01 | 3,41E-01 | 6,28E-01 | 6,11E-01 |
| 120 | 6,22E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,38E-01 | 3,42E-01 | 6,28E-01 | 6,11E-01 |
| 180 | 6,25E-02 | 2,08E-01 | 4,04E-01 | 4,00E-01 | 1,42E-01 | 3,45E-01 | 6,30E-01 | 6,12E-01 |
| 200 | 6,26E-02 | 2,08E-01 | 4,04E-01 | 4,00E-01 | 1,44E-01 | 3,46E-01 | 6,31E-01 | 6,12E-01 |
| 300 | 6,29E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,49E-01 | 6,32E-01 | 6,12E-01 |
| 360 | 6,31E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,48E-01 | 3,50E-01 | 6,32E-01 | 6,13E-01 |
| 365 | 6,32E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,48E-01 | 3,50E-01 | 6,32E-01 | 6,13E-01 |
| 400 | 6,33E-02 | 2,08E-01 | 4,05E-01 | 4,01E-01 | 1,49E-01 | 3,50E-01 | 6,33E-01 | 6,13E-01 |
| 500 | 6,36E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 600 | 6,38E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 700 | 6,41E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,51E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 800 | 6,43E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 900 | 6,45E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 1000 | 6,46E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 2000 | 6,59E-02 | 2,11E-01 | 4,09E-01 | 4,03E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 3000 | 6,67E-02 | 2,12E-01 | 4,10E-01 | 4,04E-01 | 1,52E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 4000 | 6,74E-02 | 2,13E-01 | 4,11E-01 | 4,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 5000 | 6,80E-02 | 2,14E-01 | 4,12E-01 | 4,06E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,14E-01 |
| 6000 | 6,86E-02 | 2,14E-01 | 4,12E-01 | 4,07E-01 | 1,54E-01 | 3,54E-01 | 6,34E-01 | 6,14E-01 |
| 8000 | 6,96E-02 | 2,15E-01 | 4,14E-01 | 4,08E-01 | 1,54E-01 | 3,54E-01 | 6,35E-01 | 6,14E-01 |
| 10000 | 7,05E-02 | 2,16E-01 | 4,15E-01 | 4,09E-01 | 1,55E-01 | 3,54E-01 | 6,35E-01 | 6,14E-01 |
| 13500 | 7,19E-02 | 2,18E-01 | 4,17E-01 | 4,10E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| 14600 | 7,23E-02 | 2,18E-01 | 4,17E-01 | 4,11E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| 18250 | 7,23E-02 | 2,18E-01 | 4,17E-01 | 4,11E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| Eff. Dosis | 2,6E-05 | 2,8E-05 | 3,4E-05 | 2,9E-05 | 1,8E-05 | 1,3E-05 | 7,3E-06 | 3,8E-06 |
| Gebärmutter | 7,2E-06 | 7,9E-06 | 9,4E-06 | 8,0E-06 | 4,2E-06 | 3,1E-06 | 1,7E-06 | 8,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-230 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 1,66E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 1,47E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 2,95E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 9,07E-01 | 3,44E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 3,79E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 4,22E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,98E-01 | 4,48E-03 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 4,66E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 4,80E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 4,90E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 4,98E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 5,05E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,11E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,16E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,20E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 5,23E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 5,38E-03 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 1,00E+00 | 5,63E-03 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 5,86E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 5,98E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 6,09E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 6,32E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 6,54E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 6,76E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 6,98E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 7,20E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 7,62E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 8,82E-03 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 9,19E-03 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 1,00E+00 | 1,09E-02 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 1,00E+00 | 1,19E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 1,00E+00 | 1,20E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 1,25E-02 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 1,38E-02 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 1,50E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 1,61E-02 |
| 800 | 2,14E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 1,71E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,28E-01 | 1,00E+00 | 1,80E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,88E-02 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 1,00E+00 | 2,46E-02 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 1,00E+00 | 2,85E-02 |
| 4000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,17E-02 |
| 5000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,46E-02 |
| 6000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,72E-02 |
| 8000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 4,18E-02 |
| 10000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 4,59E-02 |
| 13500 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,23E-02 |
| 14600 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,42E-02 |
| 18250 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,42E-02 |
| Eff. Dosis | 3,4E-05 | 2,5E-05 | 1,5E-05 | 7,8E-06 | 6,0E-08 | 1,2E-04 |
| Gebärmutter | 1,08E-06 | 7,8E-07 | 4,0E-07 | 1,9E-07 | 1,7E-08 | 3,3E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-230 | | | | |
|---|----------|----------|----------|----------|
| Inhalation Wasserlösliche Verbindungen, u.a. Chlorid, Citrat, Nitrat, Sulfat, Fluorid | | | | |
| Zeit (d) | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,29E-03 | 1,07E-02 | 2,07E-02 | 2,03E-02 |
| 2 | 3,42E-02 | 1,10E-01 | 2,11E-01 | 2,07E-01 |
| 3 | 7,23E-02 | 2,27E-01 | 4,38E-01 | 4,30E-01 |
| 3,5 | 8,48E-02 | 2,64E-01 | 5,07E-01 | 4,98E-01 |
| 4 | 9,32E-02 | 2,86E-01 | 5,50E-01 | 5,39E-01 |
| 5 | 1,02E-01 | 3,07E-01 | 5,88E-01 | 5,76E-01 |
| 6 | 1,07E-01 | 3,14E-01 | 5,99E-01 | 5,86E-01 |
| 7 | 1,10E-01 | 3,16E-01 | 6,02E-01 | 5,89E-01 |
| 8 | 1,12E-01 | 3,18E-01 | 6,03E-01 | 5,90E-01 |
| 9 | 1,14E-01 | 3,19E-01 | 6,04E-01 | 5,91E-01 |
| 10 | 1,15E-01 | 3,20E-01 | 6,04E-01 | 5,91E-01 |
| 11 | 1,17E-01 | 3,20E-01 | 6,05E-01 | 5,91E-01 |
| 12 | 1,18E-01 | 3,21E-01 | 6,05E-01 | 5,91E-01 |
| 13 | 1,19E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 14 | 1,19E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 15 | 1,20E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 20 | 1,23E-01 | 3,24E-01 | 6,07E-01 | 5,92E-01 |
| 30 | 1,25E-01 | 3,26E-01 | 6,08E-01 | 5,93E-01 |
| 40 | 1,28E-01 | 3,28E-01 | 6,09E-01 | 5,93E-01 |
| 45 | 1,29E-01 | 3,28E-01 | 6,09E-01 | 5,93E-01 |
| 50 | 1,30E-01 | 3,29E-01 | 6,10E-01 | 5,93E-01 |
| 60 | 1,31E-01 | 3,30E-01 | 6,10E-01 | 5,94E-01 |
| 70 | 1,33E-01 | 3,31E-01 | 6,11E-01 | 5,94E-01 |
| 80 | 1,35E-01 | 3,33E-01 | 6,11E-01 | 5,94E-01 |
| 90 | 1,36E-01 | 3,34E-01 | 6,12E-01 | 5,95E-01 |
| 100 | 1,37E-01 | 3,35E-01 | 6,12E-01 | 5,95E-01 |
| 120 | 1,40E-01 | 3,36E-01 | 6,13E-01 | 5,95E-01 |
| 180 | 1,45E-01 | 3,40E-01 | 6,15E-01 | 5,96E-01 |
| 200 | 1,46E-01 | 3,41E-01 | 6,16E-01 | 5,96E-01 |
| 300 | 1,50E-01 | 3,44E-01 | 6,17E-01 | 5,97E-01 |
| 360 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 365 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 400 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 500 | 1,53E-01 | 3,46E-01 | 6,18E-01 | 5,97E-01 |
| 600 | 1,54E-01 | 3,46E-01 | 6,18E-01 | 5,98E-01 |
| 700 | 1,54E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 800 | 1,54E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 900 | 1,55E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 1000 | 1,55E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 2000 | 1,55E-01 | 3,48E-01 | 6,19E-01 | 5,98E-01 |
| 3000 | 1,56E-01 | 3,48E-01 | 6,19E-01 | 5,98E-01 |
| 4000 | 1,56E-01 | 3,48E-01 | 6,20E-01 | 5,98E-01 |
| 5000 | 1,57E-01 | 3,49E-01 | 6,20E-01 | 5,98E-01 |
| 6000 | 1,57E-01 | 3,49E-01 | 6,20E-01 | 5,99E-01 |
| 8000 | 1,58E-01 | 3,49E-01 | 6,20E-01 | 5,99E-01 |
| 10000 | 1,58E-01 | 3,50E-01 | 6,21E-01 | 5,99E-01 |
| 13500 | 1,59E-01 | 3,50E-01 | 6,21E-01 | 5,99E-01 |
| 14600 | 1,59E-01 | 3,51E-01 | 6,21E-01 | 5,99E-01 |
| 18250 | 1,59E-01 | 3,51E-01 | 6,21E-01 | 5,99E-01 |
| Eff. Dosis | 1,8E-05 | 1,4E-05 | 9,2E-06 | 5,7E-06 |
| Gebärmutter | 4,1E-06 | 3,2E-06 | 2,2E-06 | 1,4E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-232 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,17E-03 | 7,25E-03 | 1,41E-02 | 1,40E-02 | 3,38E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 2,18E-02 | 7,31E-02 | 1,43E-01 | 1,41E-01 | 3,51E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 4,50E-02 | 1,51E-01 | 2,95E-01 | 2,91E-01 | 7,40E-02 | 2,34E-01 | 4,50E-01 | 4,42E-01 |
| 3,5 | 5,20E-02 | 1,75E-01 | 3,41E-01 | 3,37E-01 | 8,67E-02 | 2,71E-01 | 5,21E-01 | 5,12E-01 |
| 4 | 5,64E-02 | 1,89E-01 | 3,70E-01 | 3,65E-01 | 9,51E-02 | 2,94E-01 | 5,65E-01 | 5,55E-01 |
| 5 | 6,02E-02 | 2,02E-01 | 3,94E-01 | 3,90E-01 | 1,04E-01 | 3,15E-01 | 6,04E-01 | 5,92E-01 |
| 6 | 6,13E-02 | 2,06E-01 | 4,01E-01 | 3,97E-01 | 1,08E-01 | 3,22E-01 | 6,15E-01 | 6,03E-01 |
| 7 | 6,15E-02 | 2,06E-01 | 4,03E-01 | 3,98E-01 | 1,11E-01 | 3,24E-01 | 6,18E-01 | 6,06E-01 |
| 8 | 6,16E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,13E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 |
| 9 | 6,16E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,15E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 |
| 10 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,16E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 |
| 11 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,17E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 |
| 12 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,18E-01 | 3,29E-01 | 6,21E-01 | 6,08E-01 |
| 13 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,19E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 |
| 14 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,20E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 |
| 15 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,20E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 |
| 20 | 6,17E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,22E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 |
| 30 | 6,18E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,25E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 |
| 40 | 6,18E-02 | 2,07E-01 | 4,03E-01 | 3,99E-01 | 1,27E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 |
| 45 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,28E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 |
| 50 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,29E-01 | 3,36E-01 | 6,25E-01 | 6,09E-01 |
| 60 | 6,19E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,30E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 |
| 70 | 6,20E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,32E-01 | 3,38E-01 | 6,26E-01 | 6,10E-01 |
| 80 | 6,20E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,33E-01 | 3,39E-01 | 6,27E-01 | 6,10E-01 |
| 90 | 6,21E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,34E-01 | 3,40E-01 | 6,27E-01 | 6,10E-01 |
| 100 | 6,21E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,36E-01 | 3,41E-01 | 6,28E-01 | 6,11E-01 |
| 120 | 6,22E-02 | 2,07E-01 | 4,04E-01 | 3,99E-01 | 1,38E-01 | 3,42E-01 | 6,28E-01 | 6,11E-01 |
| 180 | 6,25E-02 | 2,08E-01 | 4,04E-01 | 4,00E-01 | 1,42E-01 | 3,45E-01 | 6,30E-01 | 6,12E-01 |
| 200 | 6,26E-02 | 2,08E-01 | 4,04E-01 | 4,00E-01 | 1,44E-01 | 3,46E-01 | 6,31E-01 | 6,12E-01 |
| 300 | 6,29E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,47E-01 | 3,49E-01 | 6,32E-01 | 6,12E-01 |
| 360 | 6,31E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,48E-01 | 3,50E-01 | 6,32E-01 | 6,13E-01 |
| 365 | 6,32E-02 | 2,08E-01 | 4,05E-01 | 4,00E-01 | 1,48E-01 | 3,50E-01 | 6,32E-01 | 6,13E-01 |
| 400 | 6,33E-02 | 2,08E-01 | 4,05E-01 | 4,01E-01 | 1,49E-01 | 3,50E-01 | 6,33E-01 | 6,13E-01 |
| 500 | 6,36E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 600 | 6,38E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 700 | 6,41E-02 | 2,09E-01 | 4,06E-01 | 4,01E-01 | 1,51E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 800 | 6,43E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 900 | 6,45E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 1000 | 6,46E-02 | 2,10E-01 | 4,07E-01 | 4,02E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 2000 | 6,59E-02 | 2,11E-01 | 4,09E-01 | 4,03E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 3000 | 6,67E-02 | 2,12E-01 | 4,10E-01 | 4,04E-01 | 1,52E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 4000 | 6,74E-02 | 2,13E-01 | 4,11E-01 | 4,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 5000 | 6,80E-02 | 2,14E-01 | 4,12E-01 | 4,06E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,14E-01 |
| 6000 | 6,86E-02 | 2,14E-01 | 4,12E-01 | 4,07E-01 | 1,54E-01 | 3,54E-01 | 6,34E-01 | 6,14E-01 |
| 8000 | 6,96E-02 | 2,15E-01 | 4,14E-01 | 4,08E-01 | 1,54E-01 | 3,54E-01 | 6,35E-01 | 6,14E-01 |
| 10000 | 7,05E-02 | 2,16E-01 | 4,15E-01 | 4,09E-01 | 1,55E-01 | 3,54E-01 | 6,35E-01 | 6,14E-01 |
| 13500 | 7,19E-02 | 2,18E-01 | 4,17E-01 | 4,10E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| 14600 | 7,23E-02 | 2,18E-01 | 4,17E-01 | 4,11E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| 18250 | 7,23E-02 | 2,18E-01 | 4,17E-01 | 4,11E-01 | 1,56E-01 | 3,55E-01 | 6,35E-01 | 6,14E-01 |
| Eff. Dosis | 3,0E-05 | 3,3E-05 | 4,0E-05 | 3,4E-05 | 2,0E-05 | 1,5E-05 | 8,2E-06 | 4,2E-06 |
| Gebärmutter | 7,4E-06 | 8,1E-06 | 9,6E-06 | 8,2E-06 | 4,3E-06 | 3,1E-06 | 1,7E-06 | 8,6E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-232 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 1,66E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 1,47E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 2,95E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 9,07E-01 | 3,44E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 3,79E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 4,22E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,98E-01 | 4,48E-03 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 4,66E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 4,80E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 4,90E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 4,98E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 5,05E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,11E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,16E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 5,20E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 5,23E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 5,38E-03 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 1,00E+00 | 5,63E-03 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 5,86E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 5,98E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 6,09E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 6,32E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 6,54E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 6,76E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 6,98E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 7,20E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 7,62E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 8,82E-03 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 9,19E-03 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 1,00E+00 | 1,09E-02 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 1,00E+00 | 1,19E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 1,00E+00 | 1,20E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 1,25E-02 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 1,38E-02 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 1,50E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 1,61E-02 |
| 800 | 2,14E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 1,71E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,28E-01 | 1,00E+00 | 1,80E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,88E-02 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 1,00E+00 | 2,46E-02 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 1,00E+00 | 2,85E-02 |
| 4000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,17E-02 |
| 5000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,46E-02 |
| 6000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,72E-02 |
| 8000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 4,18E-02 |
| 10000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 4,59E-02 |
| 13500 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,23E-02 |
| 14600 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,42E-02 |
| 18250 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 5,42E-02 |
| Eff. Dosis | 1,4E-04 | 1,0E-04 | 5,5E-05 | 2,7E-05 | 7,0E-08 | 1,4E-04 |
| Gebärmutter | 1,46E-06 | 1,1E-06 | 5,4E-07 | 2,5E-07 | 1,7E-08 | 3,4E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Th-232 | | | | |
|---|----------|----------|----------|----------|
| Inhalation Wasserlösliche Verbindungen, u.a. Chlorid, Citrat, Nitrat, Sulfat, Fluorid | | | | |
| Zeit (d) | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,29E-03 | 1,07E-02 | 2,07E-02 | 2,03E-02 |
| 2 | 3,42E-02 | 1,10E-01 | 2,11E-01 | 2,07E-01 |
| 3 | 7,23E-02 | 2,27E-01 | 4,38E-01 | 4,30E-01 |
| 3,5 | 8,48E-02 | 2,64E-01 | 5,07E-01 | 4,98E-01 |
| 4 | 9,32E-02 | 2,86E-01 | 5,50E-01 | 5,39E-01 |
| 5 | 1,02E-01 | 3,07E-01 | 5,88E-01 | 5,76E-01 |
| 6 | 1,07E-01 | 3,14E-01 | 5,99E-01 | 5,86E-01 |
| 7 | 1,10E-01 | 3,16E-01 | 6,02E-01 | 5,89E-01 |
| 8 | 1,12E-01 | 3,18E-01 | 6,03E-01 | 5,90E-01 |
| 9 | 1,14E-01 | 3,19E-01 | 6,04E-01 | 5,91E-01 |
| 10 | 1,15E-01 | 3,20E-01 | 6,04E-01 | 5,91E-01 |
| 11 | 1,17E-01 | 3,20E-01 | 6,05E-01 | 5,91E-01 |
| 12 | 1,18E-01 | 3,21E-01 | 6,05E-01 | 5,91E-01 |
| 13 | 1,19E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 14 | 1,19E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 15 | 1,20E-01 | 3,22E-01 | 6,06E-01 | 5,92E-01 |
| 20 | 1,23E-01 | 3,24E-01 | 6,07E-01 | 5,92E-01 |
| 30 | 1,25E-01 | 3,26E-01 | 6,08E-01 | 5,93E-01 |
| 40 | 1,28E-01 | 3,28E-01 | 6,09E-01 | 5,93E-01 |
| 45 | 1,29E-01 | 3,28E-01 | 6,09E-01 | 5,93E-01 |
| 50 | 1,30E-01 | 3,29E-01 | 6,10E-01 | 5,93E-01 |
| 60 | 1,31E-01 | 3,30E-01 | 6,10E-01 | 5,94E-01 |
| 70 | 1,33E-01 | 3,31E-01 | 6,11E-01 | 5,94E-01 |
| 80 | 1,35E-01 | 3,33E-01 | 6,11E-01 | 5,94E-01 |
| 90 | 1,36E-01 | 3,34E-01 | 6,12E-01 | 5,95E-01 |
| 100 | 1,37E-01 | 3,35E-01 | 6,12E-01 | 5,95E-01 |
| 120 | 1,40E-01 | 3,36E-01 | 6,13E-01 | 5,95E-01 |
| 180 | 1,45E-01 | 3,40E-01 | 6,15E-01 | 5,96E-01 |
| 200 | 1,46E-01 | 3,41E-01 | 6,16E-01 | 5,96E-01 |
| 300 | 1,50E-01 | 3,44E-01 | 6,17E-01 | 5,97E-01 |
| 360 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 365 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 400 | 1,52E-01 | 3,45E-01 | 6,18E-01 | 5,97E-01 |
| 500 | 1,53E-01 | 3,46E-01 | 6,18E-01 | 5,97E-01 |
| 600 | 1,54E-01 | 3,46E-01 | 6,18E-01 | 5,98E-01 |
| 700 | 1,54E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 800 | 1,54E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 900 | 1,55E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 1000 | 1,55E-01 | 3,47E-01 | 6,19E-01 | 5,98E-01 |
| 2000 | 1,55E-01 | 3,48E-01 | 6,19E-01 | 5,98E-01 |
| 3000 | 1,56E-01 | 3,48E-01 | 6,19E-01 | 5,98E-01 |
| 4000 | 1,56E-01 | 3,48E-01 | 6,20E-01 | 5,98E-01 |
| 5000 | 1,57E-01 | 3,49E-01 | 6,20E-01 | 5,98E-01 |
| 6000 | 1,57E-01 | 3,49E-01 | 6,20E-01 | 5,99E-01 |
| 8000 | 1,58E-01 | 3,49E-01 | 6,20E-01 | 5,99E-01 |
| 10000 | 1,58E-01 | 3,50E-01 | 6,21E-01 | 5,99E-01 |
| 13500 | 1,59E-01 | 3,50E-01 | 6,21E-01 | 5,99E-01 |
| 14600 | 1,59E-01 | 3,51E-01 | 6,21E-01 | 5,99E-01 |
| 18250 | 1,59E-01 | 3,51E-01 | 6,21E-01 | 5,99E-01 |
| Eff. Dosis | 2,0E-05 | 1,6E-05 | 1,0E-05 | 6,5E-06 |
| Gebärmutter | 4,2E-06 | 3,3E-06 | 2,2E-06 | 1,4E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-232 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,00E-03 | 9,82E-03 | 1,90E-02 | 1,87E-02 | 3,38E-03 | 1,10E-02 | 2,12E-02 | 2,08E-02 |
| 2 | 3,01E-02 | 9,93E-02 | 1,93E-01 | 1,90E-01 | 3,50E-02 | 1,12E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 6,19E-02 | 2,05E-01 | 3,98E-01 | 3,92E-01 | 7,38E-02 | 2,33E-01 | 4,49E-01 | 4,40E-01 |
| 3,5 | 7,15E-02 | 2,37E-01 | 4,60E-01 | 4,54E-01 | 8,64E-02 | 2,70E-01 | 5,20E-01 | 5,10E-01 |
| 4 | 7,74E-02 | 2,56E-01 | 4,99E-01 | 4,92E-01 | 9,48E-02 | 2,93E-01 | 5,63E-01 | 5,53E-01 |
| 5 | 8,25E-02 | 2,74E-01 | 5,32E-01 | 5,25E-01 | 1,04E-01 | 3,14E-01 | 6,02E-01 | 5,90E-01 |
| 6 | 8,38E-02 | 2,78E-01 | 5,41E-01 | 5,33E-01 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 |
| 7 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,35E-01 | 1,11E-01 | 3,23E-01 | 6,16E-01 | 6,03E-01 |
| 8 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,13E-01 | 3,24E-01 | 6,17E-01 | 6,04E-01 |
| 9 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,14E-01 | 3,25E-01 | 6,18E-01 | 6,05E-01 |
| 10 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,15E-01 | 3,26E-01 | 6,18E-01 | 6,05E-01 |
| 11 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,17E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 12 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 13 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 |
| 14 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,19E-01 | 3,28E-01 | 6,20E-01 | 6,06E-01 |
| 15 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,20E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 |
| 20 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,22E-01 | 3,30E-01 | 6,21E-01 | 6,06E-01 |
| 30 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,24E-01 | 3,32E-01 | 6,21E-01 | 6,06E-01 |
| 40 | 8,44E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,26E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 |
| 45 | 8,44E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,27E-01 | 3,34E-01 | 6,22E-01 | 6,07E-01 |
| 50 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,28E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 60 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,30E-01 | 3,35E-01 | 6,23E-01 | 6,07E-01 |
| 70 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,31E-01 | 3,36E-01 | 6,24E-01 | 6,08E-01 |
| 80 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,33E-01 | 3,37E-01 | 6,24E-01 | 6,08E-01 |
| 90 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,34E-01 | 3,38E-01 | 6,25E-01 | 6,08E-01 |
| 100 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,35E-01 | 3,39E-01 | 6,25E-01 | 6,08E-01 |
| 120 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,37E-01 | 3,41E-01 | 6,26E-01 | 6,09E-01 |
| 180 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,42E-01 | 3,44E-01 | 6,28E-01 | 6,09E-01 |
| 200 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,43E-01 | 3,45E-01 | 6,28E-01 | 6,09E-01 |
| 300 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,46E-01 | 3,47E-01 | 6,29E-01 | 6,10E-01 |
| 360 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 365 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 400 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,48E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 500 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,48E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 600 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 700 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 800 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 900 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 1000 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 2000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 3000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 4000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 5000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 6000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 8000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 10000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 13500 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 14600 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 18250 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| Eff. Dosis | 1,7E-06 | 1,5E-06 | 1,3E-06 | 9,2E-07 | 6,6E-06 | 4,9E-06 | 3,0E-06 | 1,8E-06 |
| Gebärmutter | 4,8E-07 | 4,1E-07 | 3,5E-07 | 2,6E-07 | 4,8E-07 | 3,5E-07 | 1,9E-07 | 9,5E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-232 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA= 0,02 | fA=0,002 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,81E-02 | 5,87E-02 | 4,34E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,57E-01 | 4,64E-01 | 2,63E-03 |
| 3 | 7,52E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,05E-01 | 8,19E-01 | 4,30E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 8,90E-01 | 9,05E-01 | 4,70E-03 |
| 4 | 9,71E-02 | 2,97E-01 | 5,70E-01 | 5,58E-01 | 9,36E-01 | 9,52E-01 | 4,93E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,70E-01 | 9,88E-01 | 5,14E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,78E-01 | 9,96E-01 | 5,23E-03 |
| 7 | 1,15E-01 | 3,28E-01 | 6,24E-01 | 6,10E-01 | 9,80E-01 | 9,98E-01 | 5,29E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,80E-01 | 9,98E-01 | 5,34E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,38E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,42E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,45E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,48E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,51E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,54E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,56E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,67E-03 |
| 30 | 1,33E-01 | 3,39E-01 | 6,31E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,80E-03 |
| 40 | 1,36E-01 | 3,41E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,90E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,94E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,97E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 6,02E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,07E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,10E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,13E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,16E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,38E-01 | 6,18E-01 | 9,80E-01 | 9,98E-01 | 6,20E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 | 9,80E-01 | 9,98E-01 | 6,26E-03 |
| 200 | 1,69E-01 | 3,65E-01 | 6,44E-01 | 6,20E-01 | 9,80E-01 | 9,98E-01 | 6,28E-03 |
| 300 | 1,83E-01 | 3,75E-01 | 6,49E-01 | 6,22E-01 | 9,80E-01 | 9,98E-01 | 6,31E-03 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 365 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 400 | 1,93E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 9,80E-01 | 9,98E-01 | 6,33E-03 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 600 | 2,06E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 700 | 2,10E-01 | 3,95E-01 | 6,58E-01 | 6,26E-01 | 9,80E-01 | 9,98E-01 | 6,35E-03 |
| 800 | 2,13E-01 | 3,97E-01 | 6,59E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,35E-03 |
| 900 | 2,15E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 1000 | 2,17E-01 | 3,99E-01 | 6,61E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,37E-03 |
| 2000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,41E-03 |
| 3000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,44E-03 |
| 4000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,46E-03 |
| 5000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,47E-03 |
| 6000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,48E-03 |
| 8000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,49E-03 |
| 10000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,50E-03 |
| 13500 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,52E-03 |
| 14600 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,52E-03 |
| 18250 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,52E-03 |
| Eff. Dosis | 1,7E-04 | 1,2E-04 | 6,9E-05 | 3,6E-05 | 1,8E-07 | 1,8E-08 | 8,9E-06 |
| Gebärmutter | 5,0E-07 | 3,6E-07 | 1,9E-07 | 8,6E-08 | 5,0E-08 | 5,0E-09 | 2,5E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-232 | | | | | | | | |
|-------------|--------------------|----------|----------|----------|--------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F/M | | | | Inhalation Typ M/S | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,35E-03 | 1,09E-02 | 2,10E-02 | 2,06E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,45E-02 | 1,11E-01 | 2,14E-01 | 2,10E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,20E-02 | 2,29E-01 | 4,42E-01 | 4,34E-01 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,38E-02 | 2,65E-01 | 5,12E-01 | 5,02E-01 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,12E-02 | 2,88E-01 | 5,54E-01 | 5,44E-01 | 9,70E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 9,82E-02 | 3,07E-01 | 5,92E-01 | 5,81E-01 | 1,07E-01 | 3,18E-01 | 6,09E-01 | 5,96E-01 |
| 6 | 1,01E-01 | 3,13E-01 | 6,02E-01 | 5,91E-01 | 1,12E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,02E-01 | 3,14E-01 | 6,04E-01 | 5,93E-01 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 9 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 11 | 1,03E-01 | 3,16E-01 | 6,05E-01 | 5,94E-01 | 1,22E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 12 | 1,03E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 |
| 15 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 |
| 20 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,05E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 40 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,14E-01 |
| 50 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 |
| 60 | 1,06E-01 | 3,18E-01 | 6,06E-01 | 5,94E-01 | 1,40E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,94E-01 | 1,43E-01 | 3,46E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,45E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 90 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,47E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,53E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 180 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,64E-01 | 3,61E-01 | 6,41E-01 | 6,19E-01 |
| 200 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,67E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 300 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,79E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 360 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 |
| 365 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 |
| 400 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,88E-01 | 3,78E-01 | 6,50E-01 | 6,23E-01 |
| 500 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 |
| 600 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,98E-01 | 3,86E-01 | 6,54E-01 | 6,24E-01 |
| 700 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 |
| 800 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,03E-01 | 3,89E-01 | 6,55E-01 | 6,25E-01 |
| 900 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,04E-01 | 3,91E-01 | 6,56E-01 | 6,25E-01 |
| 1000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,06E-01 | 3,91E-01 | 6,56E-01 | 6,25E-01 |
| 2000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 3000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 4000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 5000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 6000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 8000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 10000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 13500 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 14600 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| 18250 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,08E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 |
| Eff. Dosis | 2,5E-06 | 1,8E-06 | 1,1E-06 | 6,3E-07 | 4,5E-05 | 3,5E-05 | 2,2E-05 | 1,3E-05 |
| Gebärmutter | 4,5E-07 | 3,3E-07 | 2,0E-07 | 1,1E-07 | 6,0E-07 | 4,3E-07 | 2,2E-07 | 1,0E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-232 | | | | |
|-------------|---------------------|----------|----------|----------|
| Zeit (d) | Inhalation Aluminid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,13E-01 | 2,19E-01 | 2,14E-01 |
| 3 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,14E-01 |
| 4 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 |
| 7 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,37E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 50 | 1,39E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 60 | 1,41E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,46E-01 | 3,48E-01 | 6,34E-01 | 6,15E-01 |
| 90 | 1,48E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,50E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,54E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 180 | 1,65E-01 | 3,62E-01 | 6,41E-01 | 6,18E-01 |
| 200 | 1,67E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 300 | 1,78E-01 | 3,71E-01 | 6,46E-01 | 6,20E-01 |
| 360 | 1,82E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 365 | 1,82E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 400 | 1,84E-01 | 3,76E-01 | 6,48E-01 | 6,21E-01 |
| 500 | 1,88E-01 | 3,78E-01 | 6,49E-01 | 6,22E-01 |
| 600 | 1,90E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 |
| 700 | 1,91E-01 | 3,80E-01 | 6,51E-01 | 6,22E-01 |
| 800 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 900 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 1000 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 2000 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 3000 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 4000 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 5000 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 6000 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 8000 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 10000 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 13500 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 14600 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 18250 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| Eff. Dosis | 1,5E-05 | 1,2E-05 | 7,6E-06 | 4,5E-06 |
| Gebärmutter | 5,4E-07 | 3,9E-07 | 2,0E-07 | 9,3E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-233 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,00E-03 | 9,82E-03 | 1,90E-02 | 1,87E-02 | 3,38E-03 | 1,10E-02 | 2,12E-02 | 2,08E-02 |
| 2 | 3,01E-02 | 9,93E-02 | 1,93E-01 | 1,90E-01 | 3,50E-02 | 1,12E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 6,19E-02 | 2,05E-01 | 3,98E-01 | 3,92E-01 | 7,38E-02 | 2,33E-01 | 4,49E-01 | 4,40E-01 |
| 3,5 | 7,15E-02 | 2,37E-01 | 4,60E-01 | 4,54E-01 | 8,64E-02 | 2,70E-01 | 5,20E-01 | 5,10E-01 |
| 4 | 7,74E-02 | 2,56E-01 | 4,99E-01 | 4,92E-01 | 9,48E-02 | 2,93E-01 | 5,63E-01 | 5,53E-01 |
| 5 | 8,25E-02 | 2,74E-01 | 5,32E-01 | 5,25E-01 | 1,04E-01 | 3,14E-01 | 6,02E-01 | 5,90E-01 |
| 6 | 8,38E-02 | 2,78E-01 | 5,41E-01 | 5,33E-01 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 |
| 7 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,35E-01 | 1,11E-01 | 3,23E-01 | 6,16E-01 | 6,03E-01 |
| 8 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,13E-01 | 3,24E-01 | 6,17E-01 | 6,04E-01 |
| 9 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,14E-01 | 3,25E-01 | 6,18E-01 | 6,05E-01 |
| 10 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,15E-01 | 3,26E-01 | 6,18E-01 | 6,05E-01 |
| 11 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,17E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 12 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 13 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 |
| 14 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,19E-01 | 3,28E-01 | 6,20E-01 | 6,06E-01 |
| 15 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,20E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 |
| 20 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,22E-01 | 3,30E-01 | 6,21E-01 | 6,06E-01 |
| 30 | 8,43E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,24E-01 | 3,32E-01 | 6,21E-01 | 6,07E-01 |
| 40 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,26E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 |
| 45 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,27E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 50 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,28E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 60 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,30E-01 | 3,35E-01 | 6,23E-01 | 6,07E-01 |
| 70 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,31E-01 | 3,37E-01 | 6,24E-01 | 6,08E-01 |
| 80 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,33E-01 | 3,38E-01 | 6,24E-01 | 6,08E-01 |
| 90 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,34E-01 | 3,38E-01 | 6,25E-01 | 6,08E-01 |
| 100 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,35E-01 | 3,39E-01 | 6,25E-01 | 6,08E-01 |
| 120 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,37E-01 | 3,41E-01 | 6,26E-01 | 6,09E-01 |
| 180 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,42E-01 | 3,44E-01 | 6,28E-01 | 6,09E-01 |
| 200 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,43E-01 | 3,45E-01 | 6,28E-01 | 6,09E-01 |
| 300 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,46E-01 | 3,47E-01 | 6,29E-01 | 6,10E-01 |
| 360 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 365 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 400 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,48E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 500 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 600 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 700 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 800 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 900 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 1000 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 2000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 3000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 4000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 5000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 6000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 8000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 10000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 13500 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 14600 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 18250 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| Eff. Dosis | 3,6E-07 | 3,0E-07 | 2,6E-07 | 1,9E-07 | 3,1E-06 | 2,2E-06 | 1,5E-06 | 8,6E-07 |
| Gebärmutter | 3,2E-07 | 2,7E-07 | 2,3E-07 | 1,7E-07 | 2,1E-07 | 1,6E-07 | 8,7E-08 | 4,6E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-233 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA= 0,02 | fA=0,002 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,81E-02 | 5,87E-02 | 4,34E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,57E-01 | 4,64E-01 | 2,63E-03 |
| 3 | 7,52E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,05E-01 | 8,19E-01 | 4,30E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 8,90E-01 | 9,05E-01 | 4,70E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,58E-01 | 9,36E-01 | 9,52E-01 | 4,93E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,70E-01 | 9,88E-01 | 5,14E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,78E-01 | 9,96E-01 | 5,23E-03 |
| 7 | 1,15E-01 | 3,28E-01 | 6,24E-01 | 6,10E-01 | 9,80E-01 | 9,98E-01 | 5,29E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,80E-01 | 9,98E-01 | 5,34E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,38E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,42E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,45E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,27E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,48E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,51E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,54E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,56E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,67E-03 |
| 30 | 1,33E-01 | 3,39E-01 | 6,31E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,80E-03 |
| 40 | 1,36E-01 | 3,41E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,90E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,94E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,97E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 6,02E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,07E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,11E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,14E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,16E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,38E-01 | 6,18E-01 | 9,80E-01 | 9,98E-01 | 6,20E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,19E-01 | 9,80E-01 | 9,98E-01 | 6,27E-03 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 9,80E-01 | 9,98E-01 | 6,28E-03 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 9,80E-01 | 9,98E-01 | 6,31E-03 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 365 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 9,80E-01 | 9,98E-01 | 6,33E-03 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 700 | 2,11E-01 | 3,95E-01 | 6,58E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,35E-03 |
| 800 | 2,14E-01 | 3,97E-01 | 6,59E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 1000 | 2,17E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,37E-03 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,41E-03 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,44E-03 |
| 4000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,46E-03 |
| 5000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,48E-03 |
| 6000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,49E-03 |
| 8000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,51E-03 |
| 10000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,52E-03 |
| 13500 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| 14600 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| 18250 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| Eff. Dosis | 3,1E-05 | 2,3E-05 | 1,4E-05 | 7,4E-06 | 3,5E-08 | 3,5E-09 | 1,8E-06 |
| Gebärmutter | 6,0E-08 | 4,4E-08 | 2,3E-08 | 1,1E-08 | 3,3E-08 | 3,3E-09 | 1,7E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-233 | | | | | | | | |
|-------------|--------------------|----------|----------|----------|--------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F/M | | | | Inhalation Typ M/S | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,35E-03 | 1,09E-02 | 2,10E-02 | 2,06E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,45E-02 | 1,11E-01 | 2,14E-01 | 2,10E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,20E-02 | 2,29E-01 | 4,42E-01 | 4,34E-01 | 7,52E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 |
| 3,5 | 8,38E-02 | 2,65E-01 | 5,12E-01 | 5,02E-01 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,12E-02 | 2,88E-01 | 5,54E-01 | 5,44E-01 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 9,82E-02 | 3,07E-01 | 5,92E-01 | 5,81E-01 | 1,07E-01 | 3,18E-01 | 6,09E-01 | 5,96E-01 |
| 6 | 1,01E-01 | 3,13E-01 | 6,02E-01 | 5,91E-01 | 1,12E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,02E-01 | 3,14E-01 | 6,04E-01 | 5,93E-01 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 9 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,19E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 10 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 11 | 1,03E-01 | 3,16E-01 | 6,05E-01 | 5,94E-01 | 1,22E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 12 | 1,03E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 |
| 15 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 |
| 20 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,05E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 40 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,14E-01 |
| 50 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 |
| 60 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,94E-01 | 1,40E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,43E-01 | 3,46E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,45E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 90 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,47E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,53E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 180 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,64E-01 | 3,61E-01 | 6,41E-01 | 6,19E-01 |
| 200 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,67E-01 | 3,63E-01 | 6,43E-01 | 6,19E-01 |
| 300 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,79E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 360 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 |
| 365 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,77E-01 | 6,49E-01 | 6,22E-01 |
| 400 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,88E-01 | 3,79E-01 | 6,50E-01 | 6,23E-01 |
| 500 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 |
| 600 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,98E-01 | 3,86E-01 | 6,54E-01 | 6,24E-01 |
| 700 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 |
| 800 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,03E-01 | 3,90E-01 | 6,56E-01 | 6,25E-01 |
| 900 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,05E-01 | 3,91E-01 | 6,56E-01 | 6,25E-01 |
| 1000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,06E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 |
| 2000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 3000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 4000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 5000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 6000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 8000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 10000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 13500 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 14600 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 18250 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| Eff. Dosis | 9,5E-07 | 6,5E-07 | 4,2E-07 | 2,4E-07 | 1,1E-05 | 8,6E-06 | 5,6E-06 | 3,4E-06 |
| Gebärmutter | 2,8E-07 | 2,1E-07 | 1,3E-07 | 7,2E-08 | 1,1E-07 | 7,8E-08 | 4,1E-08 | 1,9E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-233 | | | | |
|-------------|---------------------|----------|----------|----------|
| Zeit (d) | Inhalation Aluminid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,13E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 |
| 7 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,38E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 50 | 1,39E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 60 | 1,41E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,46E-01 | 3,48E-01 | 6,35E-01 | 6,15E-01 |
| 90 | 1,48E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,50E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,54E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 180 | 1,65E-01 | 3,62E-01 | 6,41E-01 | 6,18E-01 |
| 200 | 1,67E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 300 | 1,78E-01 | 3,71E-01 | 6,46E-01 | 6,20E-01 |
| 360 | 1,82E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 365 | 1,83E-01 | 3,74E-01 | 6,48E-01 | 6,21E-01 |
| 400 | 1,84E-01 | 3,76E-01 | 6,48E-01 | 6,21E-01 |
| 500 | 1,88E-01 | 3,78E-01 | 6,50E-01 | 6,22E-01 |
| 600 | 1,90E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 |
| 700 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 800 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 900 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 1000 | 1,92E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 2000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 3000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 4000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 5000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 6000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 8000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 10000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 13500 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 14600 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 18250 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| Eff. Dosis | 6,2E-06 | 4,6E-06 | 3,1E-06 | 1,9E-06 |
| Gebärmutter | 1,4E-07 | 1,0E-07 | 5,2E-08 | 2,5E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-234 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,00E-03 | 9,82E-03 | 1,90E-02 | 1,87E-02 | 3,38E-03 | 1,10E-02 | 2,12E-02 | 2,08E-02 |
| 2 | 3,01E-02 | 9,93E-02 | 1,93E-01 | 1,90E-01 | 3,50E-02 | 1,12E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 6,19E-02 | 2,05E-01 | 3,98E-01 | 3,92E-01 | 7,38E-02 | 2,33E-01 | 4,49E-01 | 4,40E-01 |
| 3,5 | 7,15E-02 | 2,37E-01 | 4,60E-01 | 4,54E-01 | 8,64E-02 | 2,70E-01 | 5,20E-01 | 5,10E-01 |
| 4 | 7,74E-02 | 2,56E-01 | 4,99E-01 | 4,92E-01 | 9,48E-02 | 2,93E-01 | 5,63E-01 | 5,53E-01 |
| 5 | 8,25E-02 | 2,74E-01 | 5,32E-01 | 5,25E-01 | 1,04E-01 | 3,14E-01 | 6,02E-01 | 5,90E-01 |
| 6 | 8,38E-02 | 2,78E-01 | 5,41E-01 | 5,33E-01 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 |
| 7 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,35E-01 | 1,11E-01 | 3,23E-01 | 6,16E-01 | 6,03E-01 |
| 8 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,13E-01 | 3,24E-01 | 6,17E-01 | 6,04E-01 |
| 9 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,14E-01 | 3,25E-01 | 6,18E-01 | 6,05E-01 |
| 10 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,15E-01 | 3,26E-01 | 6,18E-01 | 6,05E-01 |
| 11 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,17E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 12 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 13 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 |
| 14 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,19E-01 | 3,28E-01 | 6,20E-01 | 6,06E-01 |
| 15 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,20E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 |
| 20 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,22E-01 | 3,30E-01 | 6,21E-01 | 6,06E-01 |
| 30 | 8,43E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,24E-01 | 3,32E-01 | 6,21E-01 | 6,07E-01 |
| 40 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,26E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 |
| 45 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,27E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 50 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,28E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 60 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,30E-01 | 3,35E-01 | 6,23E-01 | 6,07E-01 |
| 70 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,31E-01 | 3,37E-01 | 6,24E-01 | 6,08E-01 |
| 80 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,33E-01 | 3,38E-01 | 6,24E-01 | 6,08E-01 |
| 90 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,34E-01 | 3,38E-01 | 6,25E-01 | 6,08E-01 |
| 100 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,35E-01 | 3,39E-01 | 6,25E-01 | 6,08E-01 |
| 120 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,37E-01 | 3,41E-01 | 6,26E-01 | 6,09E-01 |
| 180 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,42E-01 | 3,44E-01 | 6,28E-01 | 6,09E-01 |
| 200 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,43E-01 | 3,45E-01 | 6,28E-01 | 6,09E-01 |
| 300 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,46E-01 | 3,47E-01 | 6,29E-01 | 6,10E-01 |
| 360 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 365 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 400 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,48E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 500 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 600 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 700 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 800 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 900 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 1000 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 2000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 3000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 4000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 5000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 6000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 8000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 10000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 13500 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 14600 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 18250 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| Eff. Dosis | 3,5E-07 | 3,0E-07 | 2,5E-07 | 1,8E-07 | 3,1E-06 | 2,2E-06 | 1,4E-06 | 8,5E-07 |
| Gebärmutter | 3,2E-07 | 2,7E-07 | 2,3E-07 | 1,7E-07 | 2,1E-07 | 1,5E-07 | 8,6E-08 | 4,5E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-234 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA= 0,02 | fA=0,002 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,81E-02 | 5,87E-02 | 4,34E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,57E-01 | 4,64E-01 | 2,63E-03 |
| 3 | 7,52E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,05E-01 | 8,19E-01 | 4,30E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 8,90E-01 | 9,05E-01 | 4,70E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,58E-01 | 9,36E-01 | 9,52E-01 | 4,93E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,70E-01 | 9,88E-01 | 5,14E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,78E-01 | 9,96E-01 | 5,23E-03 |
| 7 | 1,15E-01 | 3,28E-01 | 6,24E-01 | 6,10E-01 | 9,80E-01 | 9,98E-01 | 5,29E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,80E-01 | 9,98E-01 | 5,34E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,38E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,42E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,45E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,27E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,48E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,51E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,54E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,56E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,67E-03 |
| 30 | 1,33E-01 | 3,39E-01 | 6,31E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,80E-03 |
| 40 | 1,36E-01 | 3,41E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,90E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,94E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,97E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 6,02E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,07E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,11E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,14E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,16E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,38E-01 | 6,18E-01 | 9,80E-01 | 9,98E-01 | 6,20E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,19E-01 | 9,80E-01 | 9,98E-01 | 6,27E-03 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 9,80E-01 | 9,98E-01 | 6,28E-03 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 9,80E-01 | 9,98E-01 | 6,31E-03 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 365 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 9,80E-01 | 9,98E-01 | 6,33E-03 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 700 | 2,11E-01 | 3,95E-01 | 6,58E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,35E-03 |
| 800 | 2,14E-01 | 3,97E-01 | 6,59E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 1000 | 2,17E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,37E-03 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,41E-03 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,44E-03 |
| 4000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,46E-03 |
| 5000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,48E-03 |
| 6000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,49E-03 |
| 8000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,51E-03 |
| 10000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,52E-03 |
| 13500 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| 14600 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| 18250 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| Eff. Dosis | 3,0E-05 | 2,3E-05 | 1,3E-05 | 7,2E-06 | 3,4E-08 | 3,4E-09 | 1,7E-06 |
| Gebärmutter | 5,4E-08 | 3,9E-08 | 2,1E-08 | 9,7E-09 | 3,3E-08 | 3,3E-09 | 1,6E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-234 | | | | | | | | |
|-------------|--------------------|----------|----------|----------|--------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F/M | | | | Inhalation Typ M/S | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,35E-03 | 1,09E-02 | 2,10E-02 | 2,06E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,45E-02 | 1,11E-01 | 2,14E-01 | 2,10E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,20E-02 | 2,29E-01 | 4,42E-01 | 4,34E-01 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,38E-02 | 2,65E-01 | 5,12E-01 | 5,02E-01 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,12E-02 | 2,88E-01 | 5,54E-01 | 5,44E-01 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 9,82E-02 | 3,07E-01 | 5,92E-01 | 5,81E-01 | 1,07E-01 | 3,18E-01 | 6,09E-01 | 5,96E-01 |
| 6 | 1,01E-01 | 3,13E-01 | 6,02E-01 | 5,91E-01 | 1,12E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,02E-01 | 3,14E-01 | 6,04E-01 | 5,93E-01 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 9 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,19E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 10 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 11 | 1,03E-01 | 3,16E-01 | 6,05E-01 | 5,94E-01 | 1,22E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 12 | 1,03E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 |
| 15 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 |
| 20 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,05E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 40 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,14E-01 |
| 50 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 |
| 60 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,94E-01 | 1,40E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,43E-01 | 3,46E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,45E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 90 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,47E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,53E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 180 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,64E-01 | 3,61E-01 | 6,41E-01 | 6,19E-01 |
| 200 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,67E-01 | 3,63E-01 | 6,43E-01 | 6,19E-01 |
| 300 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,79E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 360 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 |
| 365 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,77E-01 | 6,49E-01 | 6,22E-01 |
| 400 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,88E-01 | 3,79E-01 | 6,50E-01 | 6,23E-01 |
| 500 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 |
| 600 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,98E-01 | 3,86E-01 | 6,54E-01 | 6,24E-01 |
| 700 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 |
| 800 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,03E-01 | 3,90E-01 | 6,56E-01 | 6,25E-01 |
| 900 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,05E-01 | 3,91E-01 | 6,56E-01 | 6,25E-01 |
| 1000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,06E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 |
| 2000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 3000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 4000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 5000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 6000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 8000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 10000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 13500 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 14600 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 18250 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| Eff. Dosis | 9,3E-07 | 6,4E-07 | 4,1E-07 | 2,4E-07 | 1,1E-05 | 8,5E-06 | 5,5E-06 | 3,4E-06 |
| Gebärmutter | 2,8E-07 | 2,0E-07 | 1,2E-07 | 7,1E-08 | 1,0E-07 | 7,4E-08 | 3,9E-08 | 1,8E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-234 | | | | |
|-------------|---------------------|----------|----------|----------|
| Zeit (d) | Inhalation Aluminid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,13E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,97E-01 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,24E-01 | 6,11E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,12E-01 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 12 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,13E-01 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,13E-01 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,14E-01 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,15E-01 |
| 45 | 1,38E-01 | 3,42E-01 | 6,31E-01 | 6,15E-01 |
| 50 | 1,39E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 |
| 60 | 1,41E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,16E-01 |
| 80 | 1,46E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 90 | 1,48E-01 | 3,50E-01 | 6,35E-01 | 6,17E-01 |
| 100 | 1,50E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 |
| 120 | 1,54E-01 | 3,54E-01 | 6,38E-01 | 6,18E-01 |
| 180 | 1,65E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 200 | 1,67E-01 | 3,64E-01 | 6,42E-01 | 6,20E-01 |
| 300 | 1,78E-01 | 3,71E-01 | 6,46E-01 | 6,22E-01 |
| 360 | 1,82E-01 | 3,74E-01 | 6,47E-01 | 6,23E-01 |
| 365 | 1,83E-01 | 3,74E-01 | 6,48E-01 | 6,23E-01 |
| 400 | 1,84E-01 | 3,76E-01 | 6,48E-01 | 6,24E-01 |
| 500 | 1,88E-01 | 3,78E-01 | 6,50E-01 | 6,25E-01 |
| 600 | 1,90E-01 | 3,80E-01 | 6,50E-01 | 6,26E-01 |
| 700 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,27E-01 |
| 800 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,27E-01 |
| 900 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,27E-01 |
| 1000 | 1,92E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 2000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 3000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 4000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 5000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 6000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 8000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 10000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 13500 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 14600 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| 18250 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,28E-01 |
| Eff. Dosis | 6,2E-06 | 4,6E-06 | 3,0E-06 | 1,8E-06 |
| Gebärmutter | 1,4E-07 | 9,8E-08 | 5,1E-08 | 2,4E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-235 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,00E-03 | 9,82E-03 | 1,90E-02 | 1,87E-02 | 3,38E-03 | 1,10E-02 | 2,12E-02 | 2,08E-02 |
| 2 | 3,01E-02 | 9,92E-02 | 1,93E-01 | 1,90E-01 | 3,50E-02 | 1,12E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 6,19E-02 | 2,05E-01 | 3,98E-01 | 3,92E-01 | 7,38E-02 | 2,33E-01 | 4,49E-01 | 4,40E-01 |
| 3,5 | 7,15E-02 | 2,37E-01 | 4,60E-01 | 4,54E-01 | 8,64E-02 | 2,70E-01 | 5,20E-01 | 5,10E-01 |
| 4 | 7,74E-02 | 2,56E-01 | 4,99E-01 | 4,92E-01 | 9,48E-02 | 2,93E-01 | 5,63E-01 | 5,53E-01 |
| 5 | 8,25E-02 | 2,74E-01 | 5,32E-01 | 5,25E-01 | 1,04E-01 | 3,14E-01 | 6,02E-01 | 5,90E-01 |
| 6 | 8,38E-02 | 2,78E-01 | 5,41E-01 | 5,33E-01 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 |
| 7 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,35E-01 | 1,11E-01 | 3,23E-01 | 6,16E-01 | 6,03E-01 |
| 8 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,13E-01 | 3,24E-01 | 6,17E-01 | 6,04E-01 |
| 9 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,14E-01 | 3,25E-01 | 6,18E-01 | 6,05E-01 |
| 10 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,15E-01 | 3,26E-01 | 6,18E-01 | 6,05E-01 |
| 11 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,17E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 12 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 13 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 |
| 14 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,19E-01 | 3,28E-01 | 6,20E-01 | 6,06E-01 |
| 15 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,20E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 |
| 20 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,22E-01 | 3,30E-01 | 6,21E-01 | 6,06E-01 |
| 30 | 8,43E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,24E-01 | 3,32E-01 | 6,21E-01 | 6,07E-01 |
| 40 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,26E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 |
| 45 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,27E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 50 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,28E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 60 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,30E-01 | 3,35E-01 | 6,23E-01 | 6,07E-01 |
| 70 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,31E-01 | 3,37E-01 | 6,24E-01 | 6,08E-01 |
| 80 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,33E-01 | 3,38E-01 | 6,24E-01 | 6,08E-01 |
| 90 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,34E-01 | 3,38E-01 | 6,25E-01 | 6,08E-01 |
| 100 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,35E-01 | 3,39E-01 | 6,25E-01 | 6,08E-01 |
| 120 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,37E-01 | 3,41E-01 | 6,26E-01 | 6,09E-01 |
| 180 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,42E-01 | 3,44E-01 | 6,28E-01 | 6,09E-01 |
| 200 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,43E-01 | 3,45E-01 | 6,28E-01 | 6,09E-01 |
| 300 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,46E-01 | 3,47E-01 | 6,29E-01 | 6,10E-01 |
| 360 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 365 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 400 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,48E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 500 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 600 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 700 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 800 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 900 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 1000 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 2000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 3000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 4000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 5000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 6000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 8000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 10000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 13500 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 14600 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 18250 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| Eff. Dosis | 3,3E-07 | 2,7E-07 | 2,3E-07 | 1,7E-07 | 2,8E-06 | 2,0E-06 | 1,3E-06 | 7,8E-07 |
| Gebärmutter | 2,9E-07 | 2,5E-07 | 2,1E-07 | 1,6E-07 | 1,9E-07 | 1,4E-07 | 8,0E-08 | 4,2E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-235 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA= 0,02 | fA=0,002 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,81E-02 | 5,87E-02 | 4,34E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,57E-01 | 4,64E-01 | 2,63E-03 |
| 3 | 7,52E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,05E-01 | 8,19E-01 | 4,30E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 8,90E-01 | 9,05E-01 | 4,70E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,58E-01 | 9,36E-01 | 9,52E-01 | 4,93E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,70E-01 | 9,88E-01 | 5,14E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,78E-01 | 9,96E-01 | 5,23E-03 |
| 7 | 1,15E-01 | 3,28E-01 | 6,24E-01 | 6,10E-01 | 9,80E-01 | 9,98E-01 | 5,29E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,80E-01 | 9,98E-01 | 5,34E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,38E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,42E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,45E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,27E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,48E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,51E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,54E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,56E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,67E-03 |
| 30 | 1,33E-01 | 3,39E-01 | 6,31E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,80E-03 |
| 40 | 1,36E-01 | 3,41E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,90E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,94E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,97E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 6,02E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,07E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,11E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,14E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,16E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,38E-01 | 6,18E-01 | 9,80E-01 | 9,98E-01 | 6,20E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,19E-01 | 9,80E-01 | 9,98E-01 | 6,27E-03 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 9,80E-01 | 9,98E-01 | 6,28E-03 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 9,80E-01 | 9,98E-01 | 6,31E-03 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 365 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 9,80E-01 | 9,98E-01 | 6,33E-03 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 700 | 2,11E-01 | 3,95E-01 | 6,58E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,35E-03 |
| 800 | 2,14E-01 | 3,97E-01 | 6,59E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 1000 | 2,17E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,37E-03 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,41E-03 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,44E-03 |
| 4000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,46E-03 |
| 5000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,48E-03 |
| 6000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,49E-03 |
| 8000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,51E-03 |
| 10000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,52E-03 |
| 13500 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| 14600 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| 18250 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| Eff. Dosis | 2,8E-05 | 2,1E-05 | 1,2E-05 | 6,6E-06 | 3,2E-08 | 3,2E-09 | 1,6E-06 |
| Gebärmutter | 5,2E-08 | 3,7E-08 | 2,0E-08 | 9,3E-09 | 3,1E-08 | 3,2E-09 | 1,5E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-235 | | | | | | | | |
|-------------|--------------------|----------|----------|----------|--------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F/M | | | | Inhalation Typ M/S | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,35E-03 | 1,09E-02 | 2,10E-02 | 2,06E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,45E-02 | 1,11E-01 | 2,14E-01 | 2,10E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,20E-02 | 2,29E-01 | 4,42E-01 | 4,34E-01 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,38E-02 | 2,66E-01 | 5,12E-01 | 5,02E-01 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,12E-02 | 2,88E-01 | 5,54E-01 | 5,44E-01 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 9,82E-02 | 3,07E-01 | 5,92E-01 | 5,81E-01 | 1,07E-01 | 3,18E-01 | 6,09E-01 | 5,96E-01 |
| 6 | 1,01E-01 | 3,13E-01 | 6,02E-01 | 5,91E-01 | 1,12E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,02E-01 | 3,14E-01 | 6,04E-01 | 5,93E-01 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 9 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,19E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 10 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 11 | 1,03E-01 | 3,16E-01 | 6,05E-01 | 5,94E-01 | 1,22E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 12 | 1,03E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 |
| 15 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 |
| 20 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,05E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 40 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,14E-01 |
| 50 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 |
| 60 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,94E-01 | 1,40E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,43E-01 | 3,46E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,45E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 90 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,47E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,53E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 180 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,64E-01 | 3,61E-01 | 6,41E-01 | 6,19E-01 |
| 200 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,67E-01 | 3,63E-01 | 6,43E-01 | 6,19E-01 |
| 300 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,79E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 360 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 |
| 365 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,77E-01 | 6,49E-01 | 6,22E-01 |
| 400 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,88E-01 | 3,79E-01 | 6,50E-01 | 6,23E-01 |
| 500 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 |
| 600 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,98E-01 | 3,86E-01 | 6,54E-01 | 6,24E-01 |
| 700 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 |
| 800 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,03E-01 | 3,90E-01 | 6,56E-01 | 6,25E-01 |
| 900 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,05E-01 | 3,91E-01 | 6,56E-01 | 6,25E-01 |
| 1000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,06E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 |
| 2000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 3000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 4000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 5000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 6000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 8000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 10000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 13500 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 14600 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 18250 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| Eff. Dosis | 8,6E-07 | 5,8E-07 | 3,8E-07 | 2,2E-07 | 1,0E-05 | 7,8E-06 | 5,1E-06 | 3,1E-06 |
| Gebärmutter | 2,6E-07 | 1,9E-07 | 1,2E-07 | 6,6E-08 | 9,6E-08 | 7,0E-08 | 3,6E-08 | 1,7E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-235 | | | | |
|-------------|---------------------|----------|----------|----------|
| Zeit (d) | Inhalation Aluminid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,13E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,14E-01 |
| 4 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 |
| 7 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,38E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 50 | 1,39E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 60 | 1,41E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,46E-01 | 3,48E-01 | 6,35E-01 | 6,15E-01 |
| 90 | 1,48E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,50E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,54E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 180 | 1,65E-01 | 3,62E-01 | 6,41E-01 | 6,18E-01 |
| 200 | 1,67E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 300 | 1,78E-01 | 3,71E-01 | 6,46E-01 | 6,20E-01 |
| 360 | 1,82E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 365 | 1,83E-01 | 3,74E-01 | 6,48E-01 | 6,21E-01 |
| 400 | 1,84E-01 | 3,76E-01 | 6,48E-01 | 6,21E-01 |
| 500 | 1,88E-01 | 3,78E-01 | 6,50E-01 | 6,22E-01 |
| 600 | 1,90E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 |
| 700 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 800 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 900 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 1000 | 1,92E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 2000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 3000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 4000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 5000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 6000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 8000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 10000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 13500 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 14600 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 18250 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| Eff. Dosis | 5,7E-06 | 4,2E-06 | 2,8E-06 | 1,7E-06 |
| Gebärmutter | 1,3E-07 | 9,1E-08 | 4,8E-08 | 2,3E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-238 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,00E-03 | 9,82E-03 | 1,90E-02 | 1,87E-02 | 3,38E-03 | 1,10E-02 | 2,12E-02 | 2,08E-02 |
| 2 | 3,01E-02 | 9,93E-02 | 1,93E-01 | 1,90E-01 | 3,50E-02 | 1,12E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 6,19E-02 | 2,05E-01 | 3,98E-01 | 3,93E-01 | 7,38E-02 | 2,33E-01 | 4,49E-01 | 4,40E-01 |
| 3,5 | 7,15E-02 | 2,37E-01 | 4,60E-01 | 4,54E-01 | 8,64E-02 | 2,70E-01 | 5,20E-01 | 5,10E-01 |
| 4 | 7,74E-02 | 2,56E-01 | 4,99E-01 | 4,92E-01 | 9,48E-02 | 2,93E-01 | 5,63E-01 | 5,53E-01 |
| 5 | 8,25E-02 | 2,74E-01 | 5,32E-01 | 5,25E-01 | 1,04E-01 | 3,14E-01 | 6,02E-01 | 5,90E-01 |
| 6 | 8,38E-02 | 2,78E-01 | 5,41E-01 | 5,33E-01 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,01E-01 |
| 7 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,35E-01 | 1,11E-01 | 3,23E-01 | 6,16E-01 | 6,03E-01 |
| 8 | 8,42E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,13E-01 | 3,24E-01 | 6,17E-01 | 6,04E-01 |
| 9 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,14E-01 | 3,25E-01 | 6,18E-01 | 6,05E-01 |
| 10 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,15E-01 | 3,26E-01 | 6,18E-01 | 6,05E-01 |
| 11 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,17E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 12 | 8,43E-02 | 2,79E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 |
| 13 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 |
| 14 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,19E-01 | 3,28E-01 | 6,20E-01 | 6,06E-01 |
| 15 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,20E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 |
| 20 | 8,43E-02 | 2,80E-01 | 5,43E-01 | 5,36E-01 | 1,22E-01 | 3,30E-01 | 6,21E-01 | 6,06E-01 |
| 30 | 8,43E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,24E-01 | 3,32E-01 | 6,21E-01 | 6,07E-01 |
| 40 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,26E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 |
| 45 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,27E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 50 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,28E-01 | 3,34E-01 | 6,23E-01 | 6,07E-01 |
| 60 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,30E-01 | 3,35E-01 | 6,23E-01 | 6,07E-01 |
| 70 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,31E-01 | 3,37E-01 | 6,24E-01 | 6,08E-01 |
| 80 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,33E-01 | 3,38E-01 | 6,24E-01 | 6,08E-01 |
| 90 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,34E-01 | 3,38E-01 | 6,25E-01 | 6,08E-01 |
| 100 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,35E-01 | 3,39E-01 | 6,25E-01 | 6,08E-01 |
| 120 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,37E-01 | 3,41E-01 | 6,26E-01 | 6,09E-01 |
| 180 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,42E-01 | 3,44E-01 | 6,28E-01 | 6,09E-01 |
| 200 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,43E-01 | 3,45E-01 | 6,28E-01 | 6,09E-01 |
| 300 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,46E-01 | 3,47E-01 | 6,29E-01 | 6,10E-01 |
| 360 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 365 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,47E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 400 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,48E-01 | 3,48E-01 | 6,30E-01 | 6,10E-01 |
| 500 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 600 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 700 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 800 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 900 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 1000 | 8,44E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 2000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 3000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 4000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 5000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 6000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 8000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 10000 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 13500 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 14600 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| 18250 | 8,45E-02 | 2,80E-01 | 5,44E-01 | 5,36E-01 | 1,49E-01 | 3,49E-01 | 6,30E-01 | 6,10E-01 |
| Eff. Dosis | 3,1E-07 | 2,6E-07 | 2,2E-07 | 1,6E-07 | 2,7E-06 | 1,9E-06 | 1,2E-06 | 7,3E-07 |
| Gebärmutter | 2,8E-07 | 2,4E-07 | 2,0E-07 | 1,5E-07 | 1,8E-07 | 1,3E-07 | 7,6E-08 | 4,0E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-238 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA= 0,02 | fA=0,002 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,81E-02 | 5,87E-02 | 4,34E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,57E-01 | 4,64E-01 | 2,63E-03 |
| 3 | 7,52E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,05E-01 | 8,19E-01 | 4,30E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 8,90E-01 | 9,05E-01 | 4,70E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,58E-01 | 9,36E-01 | 9,52E-01 | 4,93E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,70E-01 | 9,88E-01 | 5,14E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,78E-01 | 9,96E-01 | 5,23E-03 |
| 7 | 1,15E-01 | 3,28E-01 | 6,24E-01 | 6,10E-01 | 9,80E-01 | 9,98E-01 | 5,29E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,80E-01 | 9,98E-01 | 5,34E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,38E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,42E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,80E-01 | 9,98E-01 | 5,45E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,27E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,48E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,51E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,54E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,80E-01 | 9,98E-01 | 5,56E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,67E-03 |
| 30 | 1,33E-01 | 3,39E-01 | 6,31E-01 | 6,14E-01 | 9,80E-01 | 9,98E-01 | 5,80E-03 |
| 40 | 1,36E-01 | 3,41E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,90E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,94E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 5,97E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,15E-01 | 9,80E-01 | 9,98E-01 | 6,02E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,07E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,80E-01 | 9,98E-01 | 6,11E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,14E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 9,80E-01 | 9,98E-01 | 6,16E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,38E-01 | 6,18E-01 | 9,80E-01 | 9,98E-01 | 6,20E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,19E-01 | 9,80E-01 | 9,98E-01 | 6,27E-03 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 9,80E-01 | 9,98E-01 | 6,28E-03 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 9,80E-01 | 9,98E-01 | 6,31E-03 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 365 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 9,80E-01 | 9,98E-01 | 6,32E-03 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 9,80E-01 | 9,98E-01 | 6,33E-03 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 9,80E-01 | 9,98E-01 | 6,34E-03 |
| 700 | 2,11E-01 | 3,95E-01 | 6,58E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,35E-03 |
| 800 | 2,14E-01 | 3,97E-01 | 6,59E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,27E-01 | 9,80E-01 | 9,98E-01 | 6,36E-03 |
| 1000 | 2,17E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,37E-03 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,41E-03 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,44E-03 |
| 4000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,46E-03 |
| 5000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,48E-03 |
| 6000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,49E-03 |
| 8000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,51E-03 |
| 10000 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,52E-03 |
| 13500 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| 14600 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| 18250 | 2,22E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,80E-01 | 9,98E-01 | 6,54E-03 |
| Eff. Dosis | 2,7E-05 | 2,0E-05 | 1,2E-05 | 6,3E-06 | 3,1E-08 | 3,1E-09 | 1,6E-06 |
| Gebärmutter | 4,8E-08 | 3,5E-08 | 1,8E-08 | 8,6E-09 | 2,9E-08 | 2,9E-09 | 1,4E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-238 | | | | | | | | |
|-------------|--------------------|----------|----------|----------|--------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F/M | | | | Inhalation Typ M/S | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,35E-03 | 1,09E-02 | 2,10E-02 | 2,06E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,45E-02 | 1,11E-01 | 2,14E-01 | 2,10E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,20E-02 | 2,29E-01 | 4,42E-01 | 4,34E-01 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,38E-02 | 2,65E-01 | 5,12E-01 | 5,02E-01 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,12E-02 | 2,88E-01 | 5,54E-01 | 5,44E-01 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 9,82E-02 | 3,07E-01 | 5,92E-01 | 5,81E-01 | 1,07E-01 | 3,18E-01 | 6,09E-01 | 5,96E-01 |
| 6 | 1,01E-01 | 3,13E-01 | 6,02E-01 | 5,91E-01 | 1,12E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,02E-01 | 3,14E-01 | 6,04E-01 | 5,93E-01 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 9 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,19E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 10 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,94E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 11 | 1,03E-01 | 3,16E-01 | 6,05E-01 | 5,94E-01 | 1,22E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 12 | 1,03E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 |
| 15 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 |
| 20 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,05E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 40 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,14E-01 |
| 50 | 1,06E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 |
| 60 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,94E-01 | 1,40E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,06E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,43E-01 | 3,46E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,45E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 90 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,47E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,07E-01 | 3,18E-01 | 6,07E-01 | 5,95E-01 | 1,53E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 180 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,64E-01 | 3,61E-01 | 6,41E-01 | 6,19E-01 |
| 200 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,67E-01 | 3,63E-01 | 6,43E-01 | 6,19E-01 |
| 300 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,79E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 360 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 |
| 365 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,85E-01 | 3,77E-01 | 6,49E-01 | 6,22E-01 |
| 400 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,88E-01 | 3,79E-01 | 6,50E-01 | 6,23E-01 |
| 500 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 |
| 600 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 1,98E-01 | 3,86E-01 | 6,54E-01 | 6,24E-01 |
| 700 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 |
| 800 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,03E-01 | 3,90E-01 | 6,56E-01 | 6,25E-01 |
| 900 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,05E-01 | 3,91E-01 | 6,56E-01 | 6,25E-01 |
| 1000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,06E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 |
| 2000 | 1,08E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 3000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 4000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 5000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 6000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 8000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 10000 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 13500 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 14600 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| 18250 | 1,09E-01 | 3,19E-01 | 6,07E-01 | 5,95E-01 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 |
| Eff. Dosis | 8,2E-07 | 5,5E-07 | 3,6E-07 | 2,1E-07 | 9,8E-06 | 7,4E-06 | 4,8E-06 | 2,9E-06 |
| Gebärmutter | 2,4E-07 | 1,8E-07 | 1,1E-07 | 6,2E-08 | 9,1E-08 | 6,6E-08 | 3,4E-08 | 1,6E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| U-238 | | | | |
|-------------|---------------------|----------|----------|----------|
| Zeit (d) | Inhalation Aluminid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,13E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,52E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,14E-01 |
| 4 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 |
| 7 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 45 | 1,38E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 50 | 1,39E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 60 | 1,41E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,34E-01 | 6,15E-01 |
| 80 | 1,46E-01 | 3,48E-01 | 6,35E-01 | 6,15E-01 |
| 90 | 1,48E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 100 | 1,50E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 120 | 1,54E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 180 | 1,65E-01 | 3,62E-01 | 6,41E-01 | 6,18E-01 |
| 200 | 1,67E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 300 | 1,78E-01 | 3,71E-01 | 6,46E-01 | 6,20E-01 |
| 360 | 1,82E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 365 | 1,83E-01 | 3,74E-01 | 6,48E-01 | 6,21E-01 |
| 400 | 1,84E-01 | 3,76E-01 | 6,48E-01 | 6,21E-01 |
| 500 | 1,88E-01 | 3,78E-01 | 6,50E-01 | 6,22E-01 |
| 600 | 1,90E-01 | 3,80E-01 | 6,50E-01 | 6,22E-01 |
| 700 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 800 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 900 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 |
| 1000 | 1,92E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 2000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 3000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 4000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 5000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 6000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 8000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 10000 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 13500 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 14600 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| 18250 | 1,93E-01 | 3,82E-01 | 6,51E-01 | 6,23E-01 |
| Eff. Dosis | 5,4E-06 | 4,0E-06 | 2,6E-06 | 1,6E-06 |
| Gebärmutter | 1,2E-07 | 8,6E-08 | 4,5E-08 | 2,1E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Np-237 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,51E-03 | 8,36E-03 | 1,63E-02 | 1,61E-02 | 3,38E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 2,54E-02 | 8,46E-02 | 1,65E-01 | 1,63E-01 | 3,51E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 5,24E-02 | 1,75E-01 | 3,41E-01 | 3,37E-01 | 7,41E-02 | 2,34E-01 | 4,50E-01 | 4,42E-01 |
| 3,5 | 6,06E-02 | 2,02E-01 | 3,94E-01 | 3,90E-01 | 8,67E-02 | 2,71E-01 | 5,21E-01 | 5,12E-01 |
| 4 | 6,57E-02 | 2,19E-01 | 4,27E-01 | 4,22E-01 | 9,51E-02 | 2,94E-01 | 5,65E-01 | 5,55E-01 |
| 5 | 7,01E-02 | 2,34E-01 | 4,56E-01 | 4,51E-01 | 1,04E-01 | 3,15E-01 | 6,04E-01 | 5,92E-01 |
| 6 | 7,13E-02 | 2,38E-01 | 4,64E-01 | 4,58E-01 | 1,08E-01 | 3,22E-01 | 6,15E-01 | 6,03E-01 |
| 7 | 7,17E-02 | 2,39E-01 | 4,66E-01 | 4,60E-01 | 1,11E-01 | 3,24E-01 | 6,18E-01 | 6,06E-01 |
| 8 | 7,17E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,13E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 |
| 9 | 7,18E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,15E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 |
| 10 | 7,18E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,16E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 |
| 11 | 7,18E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,17E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 |
| 12 | 7,18E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,18E-01 | 3,29E-01 | 6,21E-01 | 6,08E-01 |
| 13 | 7,18E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,19E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 |
| 14 | 7,18E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,20E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 |
| 15 | 7,18E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,20E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 |
| 20 | 7,19E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,22E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 |
| 30 | 7,19E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,25E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 |
| 40 | 7,19E-02 | 2,39E-01 | 4,66E-01 | 4,61E-01 | 1,27E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 |
| 45 | 7,19E-02 | 2,39E-01 | 4,67E-01 | 4,61E-01 | 1,28E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 |
| 50 | 7,20E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,29E-01 | 3,36E-01 | 6,25E-01 | 6,10E-01 |
| 60 | 7,20E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,30E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 |
| 70 | 7,20E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,32E-01 | 3,38E-01 | 6,26E-01 | 6,10E-01 |
| 80 | 7,20E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,33E-01 | 3,39E-01 | 6,27E-01 | 6,10E-01 |
| 90 | 7,21E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,35E-01 | 3,40E-01 | 6,27E-01 | 6,10E-01 |
| 100 | 7,21E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,36E-01 | 3,41E-01 | 6,28E-01 | 6,11E-01 |
| 120 | 7,22E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,38E-01 | 3,42E-01 | 6,29E-01 | 6,11E-01 |
| 180 | 7,23E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,43E-01 | 3,46E-01 | 6,30E-01 | 6,12E-01 |
| 200 | 7,24E-02 | 2,40E-01 | 4,67E-01 | 4,61E-01 | 1,44E-01 | 3,46E-01 | 6,31E-01 | 6,12E-01 |
| 300 | 7,26E-02 | 2,40E-01 | 4,67E-01 | 4,62E-01 | 1,47E-01 | 3,49E-01 | 6,32E-01 | 6,12E-01 |
| 360 | 7,27E-02 | 2,40E-01 | 4,67E-01 | 4,62E-01 | 1,48E-01 | 3,50E-01 | 6,32E-01 | 6,13E-01 |
| 365 | 7,28E-02 | 2,40E-01 | 4,67E-01 | 4,62E-01 | 1,49E-01 | 3,50E-01 | 6,32E-01 | 6,13E-01 |
| 400 | 7,28E-02 | 2,40E-01 | 4,67E-01 | 4,62E-01 | 1,49E-01 | 3,50E-01 | 6,33E-01 | 6,13E-01 |
| 500 | 7,30E-02 | 2,41E-01 | 4,68E-01 | 4,62E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 600 | 7,32E-02 | 2,41E-01 | 4,68E-01 | 4,62E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 700 | 7,33E-02 | 2,41E-01 | 4,68E-01 | 4,62E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 800 | 7,34E-02 | 2,41E-01 | 4,68E-01 | 4,62E-01 | 1,51E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 900 | 7,36E-02 | 2,41E-01 | 4,68E-01 | 4,62E-01 | 1,51E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 1000 | 7,37E-02 | 2,41E-01 | 4,68E-01 | 4,62E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 2000 | 7,44E-02 | 2,42E-01 | 4,69E-01 | 4,63E-01 | 1,51E-01 | 3,52E-01 | 6,33E-01 | 6,13E-01 |
| 3000 | 7,48E-02 | 2,42E-01 | 4,70E-01 | 4,63E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 4000 | 7,51E-02 | 2,43E-01 | 4,70E-01 | 4,64E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 5000 | 7,54E-02 | 2,43E-01 | 4,70E-01 | 4,64E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 6000 | 7,56E-02 | 2,43E-01 | 4,70E-01 | 4,64E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 8000 | 7,59E-02 | 2,43E-01 | 4,71E-01 | 4,64E-01 | 1,52E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 10000 | 7,62E-02 | 2,44E-01 | 4,71E-01 | 4,65E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 13500 | 7,66E-02 | 2,44E-01 | 4,71E-01 | 4,65E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 14600 | 7,67E-02 | 2,44E-01 | 4,72E-01 | 4,65E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 18250 | 7,67E-02 | 2,44E-01 | 4,72E-01 | 4,65E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| Eff. Dosis | 1,2E-05 | 1,2E-05 | 1,3E-05 | 1,1E-05 | 1,1E-05 | 7,5E-06 | 4,3E-06 | 2,3E-06 |
| Gebärmutter | 3,6E-06 | 3,6E-06 | 3,9E-06 | 3,2E-06 | 2,2E-06 | 1,6E-06 | 8,8E-07 | 4,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Np-237 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 2,33E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 2,08E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 4,24E-03 |
| 3,5 | 8,83E-02 | 2,74E-01 | 5,25E-01 | 5,15E-01 | 9,07E-01 | 4,97E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 5,49E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 6,14E-03 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,98E-01 | 6,49E-03 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 6,71E-03 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 6,86E-03 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 6,95E-03 |
| 10 | 1,21E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 7,02E-03 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 7,07E-03 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 7,11E-03 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 7,14E-03 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 7,16E-03 |
| 15 | 1,27E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 7,19E-03 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 7,28E-03 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 1,00E+00 | 7,45E-03 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 7,61E-03 |
| 45 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 7,69E-03 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 7,77E-03 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 7,93E-03 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 8,08E-03 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 8,24E-03 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 8,39E-03 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 8,53E-03 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 8,82E-03 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 9,63E-03 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 9,88E-03 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 1,00E+00 | 1,10E-02 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 1,00E+00 | 1,17E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 1,00E+00 | 1,17E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 1,20E-02 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 1,29E-02 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 1,37E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 1,44E-02 |
| 800 | 2,14E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 1,50E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,28E-01 | 1,00E+00 | 1,56E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,61E-02 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 1,00E+00 | 1,97E-02 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 1,00E+00 | 2,18E-02 |
| 4000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 2,33E-02 |
| 5000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 2,45E-02 |
| 6000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 2,55E-02 |
| 8000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 2,72E-02 |
| 10000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 2,85E-02 |
| 13500 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,02E-02 |
| 14600 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,07E-02 |
| 18250 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 3,07E-02 |
| Eff. Dosis | 3,3E-05 | 2,4E-05 | 1,4E-05 | 7,6E-06 | 3,0E-08 | 6,0E-05 |
| Gebärmutter | 5,55E-07 | 4,0E-07 | 2,1E-07 | 9,7E-08 | 8,9E-09 | 1,8E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Np-237 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,78E-03 | 9,18E-03 | 1,78E-02 | 1,75E-02 |
| 2 | 2,84E-02 | 9,33E-02 | 1,81E-01 | 1,78E-01 |
| 3 | 5,93E-02 | 1,93E-01 | 3,75E-01 | 3,69E-01 |
| 3,5 | 6,89E-02 | 2,24E-01 | 4,34E-01 | 4,27E-01 |
| 4 | 7,51E-02 | 2,43E-01 | 4,70E-01 | 4,63E-01 |
| 5 | 8,12E-02 | 2,59E-01 | 5,02E-01 | 4,95E-01 |
| 6 | 8,35E-02 | 2,64E-01 | 5,11E-01 | 5,03E-01 |
| 7 | 8,47E-02 | 2,66E-01 | 5,13E-01 | 5,05E-01 |
| 8 | 8,55E-02 | 2,67E-01 | 5,14E-01 | 5,06E-01 |
| 9 | 8,61E-02 | 2,67E-01 | 5,14E-01 | 5,06E-01 |
| 10 | 8,66E-02 | 2,67E-01 | 5,14E-01 | 5,06E-01 |
| 11 | 8,71E-02 | 2,67E-01 | 5,15E-01 | 5,06E-01 |
| 12 | 8,74E-02 | 2,68E-01 | 5,15E-01 | 5,06E-01 |
| 13 | 8,77E-02 | 2,68E-01 | 5,15E-01 | 5,06E-01 |
| 14 | 8,80E-02 | 2,68E-01 | 5,15E-01 | 5,07E-01 |
| 15 | 8,82E-02 | 2,68E-01 | 5,15E-01 | 5,07E-01 |
| 20 | 8,91E-02 | 2,69E-01 | 5,15E-01 | 5,07E-01 |
| 30 | 9,01E-02 | 2,69E-01 | 5,16E-01 | 5,07E-01 |
| 40 | 9,08E-02 | 2,70E-01 | 5,16E-01 | 5,07E-01 |
| 45 | 9,12E-02 | 2,70E-01 | 5,16E-01 | 5,07E-01 |
| 50 | 9,15E-02 | 2,70E-01 | 5,16E-01 | 5,07E-01 |
| 60 | 9,21E-02 | 2,71E-01 | 5,17E-01 | 5,07E-01 |
| 70 | 9,27E-02 | 2,71E-01 | 5,17E-01 | 5,07E-01 |
| 80 | 9,33E-02 | 2,72E-01 | 5,17E-01 | 5,08E-01 |
| 90 | 9,38E-02 | 2,72E-01 | 5,17E-01 | 5,08E-01 |
| 100 | 9,42E-02 | 2,72E-01 | 5,17E-01 | 5,08E-01 |
| 120 | 9,51E-02 | 2,73E-01 | 5,18E-01 | 5,08E-01 |
| 180 | 9,69E-02 | 2,74E-01 | 5,18E-01 | 5,08E-01 |
| 200 | 9,74E-02 | 2,75E-01 | 5,19E-01 | 5,08E-01 |
| 300 | 9,89E-02 | 2,76E-01 | 5,19E-01 | 5,09E-01 |
| 360 | 9,94E-02 | 2,76E-01 | 5,20E-01 | 5,09E-01 |
| 365 | 9,94E-02 | 2,76E-01 | 5,20E-01 | 5,09E-01 |
| 400 | 9,96E-02 | 2,76E-01 | 5,20E-01 | 5,09E-01 |
| 500 | 1,00E-01 | 2,77E-01 | 5,20E-01 | 5,09E-01 |
| 600 | 1,00E-01 | 2,77E-01 | 5,20E-01 | 5,09E-01 |
| 700 | 1,01E-01 | 2,77E-01 | 5,20E-01 | 5,09E-01 |
| 800 | 1,01E-01 | 2,77E-01 | 5,20E-01 | 5,09E-01 |
| 900 | 1,01E-01 | 2,77E-01 | 5,20E-01 | 5,09E-01 |
| 1000 | 1,01E-01 | 2,77E-01 | 5,20E-01 | 5,10E-01 |
| 2000 | 1,02E-01 | 2,78E-01 | 5,21E-01 | 5,10E-01 |
| 3000 | 1,02E-01 | 2,78E-01 | 5,21E-01 | 5,10E-01 |
| 4000 | 1,02E-01 | 2,79E-01 | 5,22E-01 | 5,10E-01 |
| 5000 | 1,02E-01 | 2,79E-01 | 5,22E-01 | 5,11E-01 |
| 6000 | 1,03E-01 | 2,79E-01 | 5,22E-01 | 5,11E-01 |
| 8000 | 1,03E-01 | 2,79E-01 | 5,22E-01 | 5,11E-01 |
| 10000 | 1,03E-01 | 2,80E-01 | 5,23E-01 | 5,11E-01 |
| 13500 | 1,03E-01 | 2,80E-01 | 5,23E-01 | 5,11E-01 |
| 14600 | 1,04E-01 | 2,80E-01 | 5,23E-01 | 5,11E-01 |
| 18250 | 1,04E-01 | 2,80E-01 | 5,23E-01 | 5,11E-01 |
| Eff. Dosis | 1,2E-05 | 1,1E-05 | 1,1E-05 | 8,2E-06 |
| Gebärmutter | 3,1E-06 | 2,9E-06 | 2,9E-06 | 2,3E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Np-239 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 1,98E-03 | 6,60E-03 | 1,29E-02 | 1,27E-02 | 2,67E-03 | 8,68E-03 | 1,68E-02 | 1,65E-02 |
| 2 | 1,64E-02 | 5,46E-02 | 1,06E-01 | 1,05E-01 | 2,26E-02 | 7,26E-02 | 1,40E-01 | 1,38E-01 |
| 3 | 2,95E-02 | 9,84E-02 | 1,92E-01 | 1,89E-01 | 4,15E-02 | 1,31E-01 | 2,53E-01 | 2,49E-01 |
| 3,5 | 3,27E-02 | 1,09E-01 | 2,13E-01 | 2,10E-01 | 4,64E-02 | 1,46E-01 | 2,81E-01 | 2,76E-01 |
| 4 | 3,44E-02 | 1,15E-01 | 2,24E-01 | 2,21E-01 | 4,92E-02 | 1,54E-01 | 2,95E-01 | 2,90E-01 |
| 5 | 3,56E-02 | 1,19E-01 | 2,31E-01 | 2,29E-01 | 5,17E-02 | 1,59E-01 | 3,06E-01 | 3,00E-01 |
| 6 | 3,58E-02 | 1,20E-01 | 2,33E-01 | 2,30E-01 | 5,25E-02 | 1,61E-01 | 3,08E-01 | 3,02E-01 |
| 7 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,29E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 8 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,31E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 9 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,32E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 10 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,33E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 11 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,34E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 12 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,34E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 13 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,34E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 14 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,34E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 15 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,34E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 20 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 30 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 40 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 45 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 50 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 60 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 70 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 80 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 90 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 100 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 120 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 180 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 200 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 300 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 360 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 365 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 400 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 500 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 600 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 700 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 800 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 900 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 1000 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 2000 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 3000 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 4000 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 5000 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 6000 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 8000 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 10000 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 13500 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 14600 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| 18250 | 3,59E-02 | 1,20E-01 | 2,33E-01 | 2,31E-01 | 5,35E-02 | 1,61E-01 | 3,09E-01 | 3,03E-01 |
| Eff. Dosis | 7,7E-11 | 1,0E-10 | 1,4E-10 | 1,2E-10 | 5,2E-10 | 3,7E-10 | 3,1E-10 | 2,2E-10 |
| Gebärmutter | 3,0E-11 | 5,2E-11 | 8,3E-11 | 7,8E-11 | 1,9E-11 | 4,6E-11 | 8,4E-11 | 8,1E-11 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Np-239 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 2,69E-03 | 8,74E-03 | 1,69E-02 | 1,66E-02 | 4,66E-02 | 1,85E-04 |
| 2 | 2,29E-02 | 7,32E-02 | 1,41E-01 | 1,38E-01 | 3,04E-01 | 1,35E-03 |
| 3 | 4,21E-02 | 1,33E-01 | 2,55E-01 | 2,50E-01 | 4,78E-01 | 2,39E-03 |
| 3,5 | 4,72E-02 | 1,47E-01 | 2,83E-01 | 2,77E-01 | 5,12E-01 | 2,68E-03 |
| 4 | 5,01E-02 | 1,55E-01 | 2,98E-01 | 2,92E-01 | 5,27E-01 | 2,85E-03 |
| 5 | 5,28E-02 | 1,61E-01 | 3,08E-01 | 3,02E-01 | 5,37E-01 | 3,02E-03 |
| 6 | 5,38E-02 | 1,62E-01 | 3,11E-01 | 3,05E-01 | 5,39E-01 | 3,10E-03 |
| 7 | 5,43E-02 | 1,63E-01 | 3,11E-01 | 3,05E-01 | 5,39E-01 | 3,13E-03 |
| 8 | 5,45E-02 | 1,63E-01 | 3,11E-01 | 3,05E-01 | 5,39E-01 | 3,14E-03 |
| 9 | 5,47E-02 | 1,63E-01 | 3,11E-01 | 3,05E-01 | 5,39E-01 | 3,15E-03 |
| 10 | 5,48E-02 | 1,63E-01 | 3,11E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 11 | 5,49E-02 | 1,63E-01 | 3,11E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 12 | 5,49E-02 | 1,63E-01 | 3,11E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 13 | 5,49E-02 | 1,63E-01 | 3,11E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 14 | 5,49E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 15 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 20 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 30 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 40 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 45 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 50 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 60 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 70 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 80 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 90 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 100 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 120 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 180 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 200 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 300 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 360 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 365 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 400 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 500 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 600 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 700 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 800 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 900 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 1000 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 2000 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 3000 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 4000 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 5000 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 6000 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 8000 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 10000 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 13500 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 14600 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| 18250 | 5,50E-02 | 1,63E-01 | 3,12E-01 | 3,05E-01 | 5,39E-01 | 3,16E-03 |
| Eff. Dosis | 6,2E-10 | 4,3E-10 | 3,5E-10 | 2,4E-10 | 8,5E-11 | 2,7E-10 |
| Gebärmutter | 1,51E-11 | 4,4E-11 | 8,3E-11 | 8,1E-11 | 1,4E-10 | 1,0E-10 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Np-239 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 2,19E-03 | 7,24E-03 | 1,41E-02 | 1,38E-02 |
| 2 | 1,83E-02 | 6,02E-02 | 1,17E-01 | 1,15E-01 |
| 3 | 3,33E-02 | 1,09E-01 | 2,11E-01 | 2,08E-01 |
| 3,5 | 3,70E-02 | 1,21E-01 | 2,34E-01 | 2,30E-01 |
| 4 | 3,91E-02 | 1,27E-01 | 2,46E-01 | 2,42E-01 |
| 5 | 4,07E-02 | 1,31E-01 | 2,55E-01 | 2,51E-01 |
| 6 | 4,12E-02 | 1,32E-01 | 2,56E-01 | 2,53E-01 |
| 7 | 4,14E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 8 | 4,15E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 9 | 4,15E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 10 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 11 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 12 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 13 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 14 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 15 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 20 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 30 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 40 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 45 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 50 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 60 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 70 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 80 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 90 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 100 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 120 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 180 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 200 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 300 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 360 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 365 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 400 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 500 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 600 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 700 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 800 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 900 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 1000 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 2000 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 3000 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 4000 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 5000 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 6000 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 8000 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 10000 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 13500 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 14600 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| 18250 | 4,16E-02 | 1,33E-01 | 2,57E-01 | 2,53E-01 |
| Eff. Dosis | 2,4E-10 | 2,0E-10 | 2,0E-10 | 1,6E-10 |
| Gebärmutter | 2,6E-11 | 4,9E-11 | 8,3E-11 | 7,9E-11 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-238 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,52E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,40E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,64E-02 | 2,71E-01 | 5,22E-01 | 5,12E-01 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,44E-02 | 2,94E-01 | 5,66E-01 | 5,55E-01 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,05E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,13E-01 | 3,27E-01 | 6,23E-01 | 6,09E-01 |
| 8 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,54E-01 | 6,38E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 2000 | 1,15E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,39E-01 | 6,18E-01 |
| 3000 | 1,17E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,19E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 6000 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,62E-01 | 3,60E-01 | 6,41E-01 | 6,18E-01 |
| 8000 | 1,22E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 10000 | 1,23E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 13500 | 1,25E-01 | 3,36E-01 | 6,25E-01 | 6,10E-01 | 1,65E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 14600 | 1,25E-01 | 3,36E-01 | 6,25E-01 | 6,10E-01 | 1,66E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 18250 | 1,25E-01 | 3,36E-01 | 6,25E-01 | 6,10E-01 | 1,66E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| Eff. Dosis | 4,4E-05 | 3,0E-05 | 1,8E-05 | 9,1E-06 | 3,2E-05 | 2,3E-05 | 1,3E-05 | 6,1E-06 |
| Gebärmutter | 4,6E-06 | 3,3E-06 | 1,8E-06 | 8,6E-07 | 3,4E-06 | 2,4E-06 | 1,2E-06 | 5,7E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-238 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA=5e-4 | fA=1E-5 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 5,88E-02 | 1,88E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 4,65E-01 | 2,18E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 8,21E-01 | 5,59E-03 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 9,07E-01 | 7,17E-03 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 9,54E-01 | 8,51E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,89E-01 | 9,90E-01 | 1,05E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 9,97E-01 | 9,98E-01 | 1,19E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,00E+00 | 1,29E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,00E+00 | 1,37E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,99E-01 | 1,00E+00 | 1,44E-02 |
| 10 | 1,21E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 1,00E+00 | 1,51E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,57E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,62E-02 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,67E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,72E-02 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,77E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 1,00E+00 | 1,97E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 1,00E+00 | 1,00E+00 | 2,26E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,44E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,51E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,56E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 1,00E+00 | 2,65E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 1,00E+00 | 2,71E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,76E-02 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,79E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,83E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 1,00E+00 | 2,88E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 1,00E+00 | 3,03E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 1,00E+00 | 3,07E-02 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 1,00E+00 | 1,00E+00 | 3,29E-02 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,42E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,43E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,50E-02 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 1,00E+00 | 3,69E-02 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 1,00E+00 | 3,87E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 1,00E+00 | 4,05E-02 |
| 800 | 2,14E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 1,00E+00 | 4,21E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,00E+00 | 4,37E-02 |
| 1000 | 2,17E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,00E+00 | 4,51E-02 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 5,68E-02 |
| 3000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 6,53E-02 |
| 4000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 7,21E-02 |
| 5000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 7,81E-02 |
| 6000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 8,33E-02 |
| 8000 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 9,26E-02 |
| 10000 | 2,24E-01 | 4,05E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,01E-01 |
| 13500 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 9,99E-01 | 1,00E+00 | 1,12E-01 |
| 14600 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 9,99E-01 | 1,00E+00 | 1,16E-01 |
| 18250 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 9,99E-01 | 1,00E+00 | 1,16E-01 |
| Eff. Dosis | 3,9E-05 | 2,9E-05 | 1,7E-05 | 8,9E-06 | 1,1E-07 | 2,2E-09 | 2,2E-04 |
| Gebärmutter | 8,5E-07 | 6,1E-07 | 3,1E-07 | 1,4E-07 | 1,4E-08 | 2,7E-10 | 2,7E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-238 | | | | | | | | |
|-------------|--|----------|----------|----------|---------------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Plutoniumdioxid, Plutonium in Mischoxid | | | | Inhalation Dioxid (1-nm-Nanopartikel) | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 3,40E-03 | 1,11E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 7,44E-02 | 2,35E-01 | 4,52E-01 | 4,43E-01 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 8,70E-02 | 2,72E-01 | 5,23E-01 | 5,13E-01 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,53E-02 | 2,95E-01 | 5,67E-01 | 5,56E-01 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 1,07E-01 | 3,22E-01 | 6,17E-01 | 6,04E-01 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 1,09E-01 | 3,24E-01 | 6,20E-01 | 6,07E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 1,10E-01 | 3,25E-01 | 6,21E-01 | 6,08E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,08E-01 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,08E-01 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 14 | 1,26E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 30 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,31E-01 | 6,24E-01 | 6,09E-01 |
| 60 | 1,42E-01 | 3,46E-01 | 6,34E-01 | 6,16E-01 | 1,19E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 80 | 1,47E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 90 | 1,49E-01 | 3,51E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 180 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,20E-01 | 1,24E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 300 | 1,85E-01 | 3,76E-01 | 6,49E-01 | 6,23E-01 | 1,27E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 360 | 1,91E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 365 | 1,92E-01 | 3,82E-01 | 6,52E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 400 | 1,95E-01 | 3,84E-01 | 6,53E-01 | 6,24E-01 | 1,28E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 500 | 2,03E-01 | 3,90E-01 | 6,56E-01 | 6,26E-01 | 1,28E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 600 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 700 | 2,13E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 800 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 900 | 2,18E-01 | 4,01E-01 | 6,62E-01 | 6,28E-01 | 1,29E-01 | 3,38E-01 | 6,28E-01 | 6,11E-01 |
| 1000 | 2,20E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 1,30E-01 | 3,39E-01 | 6,28E-01 | 6,11E-01 |
| 2000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,31E-01 | 3,40E-01 | 6,28E-01 | 6,12E-01 |
| 3000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 4000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,34E-01 | 3,42E-01 | 6,29E-01 | 6,12E-01 |
| 5000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,12E-01 |
| 6000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,36E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 |
| 8000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,37E-01 | 3,44E-01 | 6,30E-01 | 6,13E-01 |
| 10000 | 2,25E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,38E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 13500 | 2,25E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,40E-01 | 3,46E-01 | 6,31E-01 | 6,13E-01 |
| 14600 | 2,25E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,40E-01 | 3,46E-01 | 6,32E-01 | 6,13E-01 |
| 18250 | 2,25E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,40E-01 | 3,46E-01 | 6,32E-01 | 6,13E-01 |
| Eff. Dosis | 5,6E-05 | 4,1E-05 | 2,3E-05 | 1,2E-05 | 4,0E-05 | 2,8E-05 | 1,6E-05 | 8,0E-06 |
| Gebärmutter | 1,4E-07 | 9,9E-08 | 5,1E-08 | 2,4E-08 | 4,1E-06 | 2,9E-06 | 1,5E-06 | 7,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-238 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,11E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 15 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,31E-01 | 3,38E-01 | 6,30E-01 | 6,13E-01 |
| 45 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,33E-01 | 3,40E-01 | 6,30E-01 | 6,14E-01 |
| 60 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,37E-01 | 3,42E-01 | 6,32E-01 | 6,14E-01 |
| 80 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 90 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 100 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,45E-01 | 3,48E-01 | 6,34E-01 | 6,16E-01 |
| 180 | 1,52E-01 | 3,53E-01 | 6,37E-01 | 6,17E-01 |
| 200 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 300 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 360 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| 365 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| 400 | 1,66E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 500 | 1,69E-01 | 3,65E-01 | 6,43E-01 | 6,19E-01 |
| 600 | 1,71E-01 | 3,67E-01 | 6,44E-01 | 6,20E-01 |
| 700 | 1,72E-01 | 3,68E-01 | 6,44E-01 | 6,20E-01 |
| 800 | 1,73E-01 | 3,68E-01 | 6,45E-01 | 6,20E-01 |
| 900 | 1,73E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 1000 | 1,73E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 2000 | 1,75E-01 | 3,70E-01 | 6,46E-01 | 6,20E-01 |
| 3000 | 1,76E-01 | 3,71E-01 | 6,46E-01 | 6,21E-01 |
| 4000 | 1,77E-01 | 3,71E-01 | 6,46E-01 | 6,21E-01 |
| 5000 | 1,78E-01 | 3,72E-01 | 6,46E-01 | 6,21E-01 |
| 6000 | 1,78E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 8000 | 1,79E-01 | 3,73E-01 | 6,47E-01 | 6,21E-01 |
| 10000 | 1,80E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 13500 | 1,81E-01 | 3,75E-01 | 6,48E-01 | 6,21E-01 |
| 14600 | 1,82E-01 | 3,75E-01 | 6,48E-01 | 6,22E-01 |
| 18250 | 1,82E-01 | 3,75E-01 | 6,48E-01 | 6,22E-01 |
| Eff. Dosis | 3,0E-05 | 2,2E-05 | 1,2E-05 | 6,1E-06 |
| Gebärmutter | 2,8E-06 | 2,0E-06 | 1,0E-06 | 4,8E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-239 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,52E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,40E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,64E-02 | 2,71E-01 | 5,22E-01 | 5,12E-01 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,44E-02 | 2,94E-01 | 5,66E-01 | 5,55E-01 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,05E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,13E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,07E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 100 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,39E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 2000 | 1,16E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,39E-01 | 6,18E-01 |
| 3000 | 1,17E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,19E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 6000 | 1,20E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 | 1,62E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 8000 | 1,22E-01 | 3,34E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 10000 | 1,24E-01 | 3,35E-01 | 6,25E-01 | 6,10E-01 | 1,65E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 13500 | 1,27E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,66E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 14600 | 1,27E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,19E-01 |
| 18250 | 1,27E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,19E-01 |
| Eff. Dosis | 4,8E-05 | 3,4E-05 | 1,9E-05 | 1,0E-05 | 3,5E-05 | 2,5E-05 | 1,4E-05 | 6,7E-06 |
| Gebärmutter | 5,2E-06 | 3,6E-06 | 2,0E-06 | 9,6E-07 | 3,8E-06 | 2,7E-06 | 1,4E-06 | 6,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-239 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA=5e-4 | fA=1E-5 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 5,88E-02 | 1,88E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 4,65E-01 | 2,18E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 8,21E-01 | 5,59E-03 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 9,07E-01 | 7,17E-03 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 9,54E-01 | 8,51E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 9,90E-01 | 1,05E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 9,98E-01 | 9,98E-01 | 1,19E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,00E+00 | 1,29E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,00E+00 | 1,37E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 1,00E+00 | 1,44E-02 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 1,00E+00 | 1,51E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,57E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,62E-02 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,67E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,72E-02 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,77E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 1,00E+00 | 1,97E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,26E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,44E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,51E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,56E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 1,00E+00 | 2,65E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 1,00E+00 | 2,71E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,76E-02 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,79E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,83E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 1,00E+00 | 2,88E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 1,00E+00 | 3,03E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 1,00E+00 | 3,07E-02 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,23E-01 | 1,00E+00 | 1,00E+00 | 3,29E-02 |
| 360 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,42E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,43E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,50E-02 |
| 500 | 2,02E-01 | 3,89E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 1,00E+00 | 3,70E-02 |
| 600 | 2,07E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 1,00E+00 | 3,88E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 1,00E+00 | 4,06E-02 |
| 800 | 2,14E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 1,00E+00 | 4,22E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,00E+00 | 4,38E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,00E+00 | 4,53E-02 |
| 2000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 5,74E-02 |
| 3000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 6,63E-02 |
| 4000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 7,37E-02 |
| 5000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 8,02E-02 |
| 6000 | 2,24E-01 | 4,05E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 8,62E-02 |
| 8000 | 2,24E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 9,69E-02 |
| 10000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,07E-01 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,22E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 0,1262 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,26E-01 |
| Eff. Dosis | 4,1E-05 | 3,1E-05 | 1,8E-05 | 9,3E-06 | 1,2E-07 | 2,4E-09 | 2,4E-04 |
| Gebärmutter | 1,0E-06 | 7,2E-07 | 3,7E-07 | 1,7E-07 | 1,5E-08 | 3,1E-10 | 3,0E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-239 | | | | | | | | |
|-------------|--|----------|----------|----------|---------------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Plutoniumdioxid, Plutonium in Mischoxid | | | | Inhalation Dioxid (1-nm-Nanopartikel) | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 3,40E-03 | 1,11E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 3,56E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 7,44E-02 | 2,35E-01 | 4,52E-01 | 4,43E-01 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 8,70E-02 | 2,72E-01 | 5,23E-01 | 5,13E-01 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,53E-02 | 2,95E-01 | 5,67E-01 | 5,56E-01 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 1,07E-01 | 3,22E-01 | 6,17E-01 | 6,04E-01 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,11E-01 | 1,09E-01 | 3,24E-01 | 6,20E-01 | 6,07E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 1,10E-01 | 3,25E-01 | 6,21E-01 | 6,08E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,08E-01 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,08E-01 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 14 | 1,26E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 30 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,31E-01 | 6,24E-01 | 6,09E-01 |
| 60 | 1,42E-01 | 3,46E-01 | 6,34E-01 | 6,16E-01 | 1,19E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 80 | 1,47E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 90 | 1,49E-01 | 3,51E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 120 | 1,56E-01 | 3,56E-01 | 6,39E-01 | 6,18E-01 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 180 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,20E-01 | 1,24E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 200 | 1,71E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 300 | 1,85E-01 | 3,77E-01 | 6,50E-01 | 6,23E-01 | 1,27E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 360 | 1,92E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 365 | 1,92E-01 | 3,82E-01 | 6,52E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 400 | 1,95E-01 | 3,84E-01 | 6,53E-01 | 6,24E-01 | 1,28E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 500 | 2,03E-01 | 3,90E-01 | 6,56E-01 | 6,26E-01 | 1,28E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 600 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 700 | 2,13E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 800 | 2,17E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,29E-01 | 3,38E-01 | 6,28E-01 | 6,11E-01 |
| 900 | 2,19E-01 | 4,01E-01 | 6,62E-01 | 6,28E-01 | 1,29E-01 | 3,39E-01 | 6,28E-01 | 6,11E-01 |
| 1000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 1,30E-01 | 3,39E-01 | 6,28E-01 | 6,11E-01 |
| 2000 | 2,25E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,32E-01 | 3,40E-01 | 6,28E-01 | 6,12E-01 |
| 3000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 4000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,34E-01 | 3,42E-01 | 6,29E-01 | 6,12E-01 |
| 5000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,35E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 |
| 6000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,36E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 |
| 8000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 10000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,39E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,41E-01 | 3,47E-01 | 6,32E-01 | 6,13E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,42E-01 | 3,47E-01 | 6,32E-01 | 6,14E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,42E-01 | 3,47E-01 | 6,32E-01 | 6,14E-01 |
| Eff. Dosis | 6,1E-05 | 4,5E-05 | 2,5E-05 | 1,3E-05 | 4,4E-05 | 3,0E-05 | 1,7E-05 | 8,8E-06 |
| Gebärmutter | 1,7E-07 | 1,2E-07 | 6,1E-08 | 2,8E-08 | 4,6E-06 | 3,3E-06 | 1,8E-06 | 8,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-239 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,11E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 15 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,31E-01 | 3,38E-01 | 6,30E-01 | 6,13E-01 |
| 45 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 50 | 1,33E-01 | 3,40E-01 | 6,30E-01 | 6,14E-01 |
| 60 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 80 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 90 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 100 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,45E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 180 | 1,52E-01 | 3,53E-01 | 6,37E-01 | 6,17E-01 |
| 200 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 300 | 1,61E-01 | 3,60E-01 | 6,41E-01 | 6,18E-01 |
| 360 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| 365 | 1,65E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 400 | 1,66E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 500 | 1,69E-01 | 3,66E-01 | 6,43E-01 | 6,19E-01 |
| 600 | 1,71E-01 | 3,67E-01 | 6,44E-01 | 6,20E-01 |
| 700 | 1,72E-01 | 3,68E-01 | 6,44E-01 | 6,20E-01 |
| 800 | 1,73E-01 | 3,68E-01 | 6,45E-01 | 6,20E-01 |
| 900 | 1,73E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 1000 | 1,74E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 2000 | 1,76E-01 | 3,70E-01 | 6,46E-01 | 6,21E-01 |
| 3000 | 1,77E-01 | 3,71E-01 | 6,46E-01 | 6,21E-01 |
| 4000 | 1,77E-01 | 3,72E-01 | 6,46E-01 | 6,21E-01 |
| 5000 | 1,78E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 6000 | 1,79E-01 | 3,73E-01 | 6,47E-01 | 6,21E-01 |
| 8000 | 1,80E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 10000 | 1,81E-01 | 3,74E-01 | 6,48E-01 | 6,21E-01 |
| 13500 | 1,83E-01 | 3,75E-01 | 6,48E-01 | 6,22E-01 |
| 14600 | 1,83E-01 | 3,76E-01 | 6,48E-01 | 6,22E-01 |
| 18250 | 1,83E-01 | 3,76E-01 | 6,48E-01 | 6,22E-01 |
| Eff. Dosis | 3,2E-05 | 2,3E-05 | 1,3E-05 | 6,5E-06 |
| Gebärmutter | 3,2E-06 | 2,3E-06 | 1,2E-06 | 5,5E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-240 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,52E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,40E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,64E-02 | 2,71E-01 | 5,22E-01 | 5,12E-01 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,44E-02 | 2,94E-01 | 5,66E-01 | 5,55E-01 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,05E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,13E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,07E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 100 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,39E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 2000 | 1,16E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,39E-01 | 6,18E-01 |
| 3000 | 1,17E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,19E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 6000 | 1,20E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 | 1,62E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 8000 | 1,22E-01 | 3,34E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 10000 | 1,24E-01 | 3,35E-01 | 6,25E-01 | 6,10E-01 | 1,65E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 13500 | 1,26E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,66E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 14600 | 1,27E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,19E-01 |
| 18250 | 1,27E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,19E-01 |
| Eff. Dosis | 4,8E-05 | 3,4E-05 | 1,9E-05 | 1,0E-05 | 3,5E-05 | 2,5E-05 | 1,4E-05 | 6,7E-06 |
| Gebärmutter | 5,2E-06 | 3,6E-06 | 2,0E-06 | 9,6E-07 | 3,8E-06 | 2,7E-06 | 1,4E-06 | 6,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-240 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA=5e-4 | fA=1E-5 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 5,88E-02 | 1,88E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 4,65E-01 | 2,18E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 8,21E-01 | 5,59E-03 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 9,07E-01 | 7,17E-03 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 9,54E-01 | 8,51E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 9,90E-01 | 1,05E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 9,98E-01 | 9,98E-01 | 1,19E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,00E+00 | 1,29E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,00E+00 | 1,37E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 1,00E+00 | 1,44E-02 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 1,00E+00 | 1,51E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,57E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,62E-02 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,67E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,72E-02 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,77E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 1,00E+00 | 1,97E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,26E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,44E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,51E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,56E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 1,00E+00 | 2,65E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 1,00E+00 | 2,71E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,76E-02 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,79E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,83E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 1,00E+00 | 2,88E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 1,00E+00 | 3,03E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 1,00E+00 | 3,07E-02 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,23E-01 | 1,00E+00 | 1,00E+00 | 3,29E-02 |
| 360 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,42E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,43E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,50E-02 |
| 500 | 2,02E-01 | 3,89E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 1,00E+00 | 3,70E-02 |
| 600 | 2,07E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 1,00E+00 | 3,88E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 1,00E+00 | 4,06E-02 |
| 800 | 2,14E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 1,00E+00 | 4,22E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,00E+00 | 4,38E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,00E+00 | 4,53E-02 |
| 2000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 5,74E-02 |
| 3000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 6,63E-02 |
| 4000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 7,37E-02 |
| 5000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 8,02E-02 |
| 6000 | 2,24E-01 | 4,05E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 8,61E-02 |
| 8000 | 2,24E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 9,68E-02 |
| 10000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,07E-01 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,22E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,26E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,26E-01 |
| Eff. Dosis | 4,1E-05 | 3,1E-05 | 1,8E-05 | 9,3E-06 | 1,2E-07 | 2,4E-09 | 2,4E-04 |
| Gebärmutter | 1,0E-06 | 7,2E-07 | 3,7E-07 | 1,7E-07 | 1,5E-08 | 3,1E-10 | 3,0E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-240 | | | | | | | | |
|-------------|--|----------|----------|----------|---------------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Plutoniumdioxid, Plutonium in Mischoxid | | | | Inhalation Dioxid (1-nm-Nanopartikel) | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 3,40E-03 | 1,11E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 7,44E-02 | 2,35E-01 | 4,52E-01 | 4,43E-01 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,16E-01 | 8,70E-02 | 2,72E-01 | 5,23E-01 | 5,13E-01 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,53E-02 | 2,95E-01 | 5,67E-01 | 5,56E-01 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 1,07E-01 | 3,22E-01 | 6,17E-01 | 6,04E-01 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,11E-01 | 1,09E-01 | 3,24E-01 | 6,20E-01 | 6,07E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 1,10E-01 | 3,25E-01 | 6,21E-01 | 6,08E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,08E-01 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,08E-01 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 14 | 1,26E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 30 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,31E-01 | 6,24E-01 | 6,09E-01 |
| 60 | 1,42E-01 | 3,46E-01 | 6,34E-01 | 6,16E-01 | 1,19E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 80 | 1,47E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 90 | 1,49E-01 | 3,51E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 120 | 1,56E-01 | 3,56E-01 | 6,39E-01 | 6,18E-01 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 180 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,20E-01 | 1,24E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 200 | 1,71E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 300 | 1,85E-01 | 3,77E-01 | 6,50E-01 | 6,23E-01 | 1,27E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 360 | 1,92E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 365 | 1,92E-01 | 3,82E-01 | 6,52E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 400 | 1,95E-01 | 3,84E-01 | 6,53E-01 | 6,24E-01 | 1,28E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 500 | 2,03E-01 | 3,90E-01 | 6,56E-01 | 6,26E-01 | 1,28E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 600 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 700 | 2,13E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 800 | 2,17E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,29E-01 | 3,38E-01 | 6,28E-01 | 6,11E-01 |
| 900 | 2,19E-01 | 4,01E-01 | 6,62E-01 | 6,28E-01 | 1,29E-01 | 3,39E-01 | 6,28E-01 | 6,11E-01 |
| 1000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 1,30E-01 | 3,39E-01 | 6,28E-01 | 6,11E-01 |
| 2000 | 2,25E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,32E-01 | 3,40E-01 | 6,28E-01 | 6,12E-01 |
| 3000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 4000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,34E-01 | 3,42E-01 | 6,29E-01 | 6,12E-01 |
| 5000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,35E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 |
| 6000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,36E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 |
| 8000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 10000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,39E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,41E-01 | 3,47E-01 | 6,32E-01 | 6,13E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,42E-01 | 3,47E-01 | 6,32E-01 | 6,14E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,42E-01 | 3,47E-01 | 6,32E-01 | 6,14E-01 |
| Eff. Dosis | 6,1E-05 | 4,5E-05 | 2,5E-05 | 1,3E-05 | 4,4E-05 | 3,0E-05 | 1,7E-05 | 8,8E-06 |
| Gebärmutter | 1,6E-07 | 1,2E-07 | 6,1E-08 | 2,8E-08 | 4,6E-06 | 3,3E-06 | 1,8E-06 | 8,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-240 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,11E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 15 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,31E-01 | 3,38E-01 | 6,30E-01 | 6,13E-01 |
| 45 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 50 | 1,33E-01 | 3,40E-01 | 6,30E-01 | 6,14E-01 |
| 60 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 80 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 90 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 100 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,45E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 180 | 1,52E-01 | 3,53E-01 | 6,37E-01 | 6,17E-01 |
| 200 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 300 | 1,61E-01 | 3,60E-01 | 6,41E-01 | 6,18E-01 |
| 360 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| 365 | 1,65E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 400 | 1,66E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 500 | 1,69E-01 | 3,66E-01 | 6,43E-01 | 6,19E-01 |
| 600 | 1,71E-01 | 3,67E-01 | 6,44E-01 | 6,20E-01 |
| 700 | 1,72E-01 | 3,68E-01 | 6,44E-01 | 6,20E-01 |
| 800 | 1,73E-01 | 3,68E-01 | 6,45E-01 | 6,20E-01 |
| 900 | 1,73E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 1000 | 1,74E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 2000 | 1,76E-01 | 3,70E-01 | 6,46E-01 | 6,21E-01 |
| 3000 | 1,77E-01 | 3,71E-01 | 6,46E-01 | 6,21E-01 |
| 4000 | 1,77E-01 | 3,72E-01 | 6,46E-01 | 6,21E-01 |
| 5000 | 1,78E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 6000 | 1,79E-01 | 3,73E-01 | 6,47E-01 | 6,21E-01 |
| 8000 | 1,80E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 10000 | 1,81E-01 | 3,74E-01 | 6,48E-01 | 6,21E-01 |
| 13500 | 1,83E-01 | 3,75E-01 | 6,48E-01 | 6,22E-01 |
| 14600 | 1,83E-01 | 3,76E-01 | 6,48E-01 | 6,22E-01 |
| 18250 | 1,83E-01 | 3,76E-01 | 6,48E-01 | 6,22E-01 |
| Eff. Dosis | 3,2E-05 | 2,3E-05 | 1,3E-05 | 6,5E-06 |
| Gebärmutter | 3,2E-06 | 2,3E-06 | 1,2E-06 | 5,5E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-241 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,52E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,40E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,50E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,64E-02 | 2,71E-01 | 5,22E-01 | 5,12E-01 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,44E-02 | 2,94E-01 | 5,66E-01 | 5,55E-01 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,02E-01 | 3,15E-01 | 6,04E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,05E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 |
| 7 | 1,06E-01 | 3,23E-01 | 6,18E-01 | 6,05E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 8 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,17E-01 | 3,30E-01 | 6,24E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,19E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 30 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,28E-01 | 6,13E-01 |
| 40 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,29E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,40E-01 | 6,30E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,31E-01 | 6,14E-01 |
| 90 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,39E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 300 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,53E-01 | 6,37E-01 | 6,16E-01 |
| 360 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,37E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 900 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 1000 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 2000 | 1,15E-01 | 3,29E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 3000 | 1,16E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,39E-01 | 6,17E-01 |
| 4000 | 1,17E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,58E-01 | 6,39E-01 | 6,18E-01 |
| 5000 | 1,17E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,59E-01 | 6,39E-01 | 6,18E-01 |
| 6000 | 1,18E-01 | 3,31E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,59E-01 | 6,39E-01 | 6,18E-01 |
| 8000 | 1,19E-01 | 3,31E-01 | 6,22E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 10000 | 1,19E-01 | 3,31E-01 | 6,22E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,17E-01 |
| 13500 | 1,20E-01 | 3,32E-01 | 6,22E-01 | 6,08E-01 | 1,61E-01 | 3,59E-01 | 6,40E-01 | 6,17E-01 |
| 14600 | 1,20E-01 | 3,32E-01 | 6,22E-01 | 6,08E-01 | 1,61E-01 | 3,60E-01 | 6,39E-01 | 6,17E-01 |
| 18250 | 1,20E-01 | 3,32E-01 | 6,22E-01 | 6,08E-01 | 1,61E-01 | 3,60E-01 | 6,39E-01 | 6,17E-01 |
| Eff. Dosis | 5,3E-07 | 3,6E-07 | 2,2E-07 | 1,2E-07 | 3,3E-07 | 2,3E-07 | 1,3E-07 | 6,3E-08 |
| Gebärmutter | 6,9E-08 | 4,8E-08 | 2,6E-08 | 1,3E-08 | 5,1E-08 | 3,7E-08 | 1,9E-08 | 8,7E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-241 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA=5e-4 | fA=1E-5 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 5,88E-02 | 1,88E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 4,65E-01 | 2,18E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 8,20E-01 | 5,59E-03 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 9,07E-01 | 7,17E-03 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 9,54E-01 | 8,51E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,89E-01 | 9,90E-01 | 1,05E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,97E-01 | 9,98E-01 | 1,19E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 9,99E-01 | 1,29E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,00E+00 | 1,37E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,99E-01 | 1,00E+00 | 1,44E-02 |
| 10 | 1,21E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 9,99E-01 | 1,00E+00 | 1,51E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,99E-01 | 1,00E+00 | 1,57E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,00E+00 | 1,62E-02 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,00E+00 | 1,67E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,00E+00 | 1,72E-02 |
| 15 | 1,27E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 9,99E-01 | 1,00E+00 | 1,77E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 9,99E-01 | 1,00E+00 | 1,97E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 9,99E-01 | 1,00E+00 | 2,26E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 9,99E-01 | 1,00E+00 | 2,44E-02 |
| 45 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 | 9,99E-01 | 1,00E+00 | 2,51E-02 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 9,99E-01 | 1,00E+00 | 2,56E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 9,99E-01 | 1,00E+00 | 2,64E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 9,99E-01 | 1,00E+00 | 2,70E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,99E-01 | 1,00E+00 | 2,75E-02 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 9,99E-01 | 1,00E+00 | 2,79E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 9,99E-01 | 1,00E+00 | 2,82E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 9,99E-01 | 1,00E+00 | 2,88E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 9,99E-01 | 1,00E+00 | 3,02E-02 |
| 200 | 1,69E-01 | 3,65E-01 | 6,44E-01 | 6,20E-01 | 9,99E-01 | 1,00E+00 | 3,06E-02 |
| 300 | 1,83E-01 | 3,75E-01 | 6,49E-01 | 6,22E-01 | 9,99E-01 | 1,00E+00 | 3,27E-02 |
| 360 | 1,89E-01 | 3,79E-01 | 6,51E-01 | 6,23E-01 | 9,99E-01 | 1,00E+00 | 3,40E-02 |
| 365 | 1,89E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,99E-01 | 1,00E+00 | 3,41E-02 |
| 400 | 1,93E-01 | 3,82E-01 | 6,52E-01 | 6,24E-01 | 9,99E-01 | 1,00E+00 | 3,47E-02 |
| 500 | 2,00E-01 | 3,87E-01 | 6,55E-01 | 6,25E-01 | 9,99E-01 | 1,00E+00 | 3,66E-02 |
| 600 | 2,05E-01 | 3,91E-01 | 6,56E-01 | 6,26E-01 | 9,99E-01 | 1,00E+00 | 3,83E-02 |
| 700 | 2,08E-01 | 3,93E-01 | 6,58E-01 | 6,26E-01 | 9,99E-01 | 1,00E+00 | 3,99E-02 |
| 800 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 9,99E-01 | 1,00E+00 | 4,14E-02 |
| 900 | 2,13E-01 | 3,97E-01 | 6,59E-01 | 6,27E-01 | 9,99E-01 | 1,00E+00 | 4,28E-02 |
| 1000 | 2,15E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 9,99E-01 | 1,00E+00 | 4,42E-02 |
| 2000 | 2,18E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,99E-01 | 1,00E+00 | 5,41E-02 |
| 3000 | 2,19E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,99E-01 | 1,00E+00 | 6,05E-02 |
| 4000 | 2,19E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,99E-01 | 9,99E-01 | 6,52E-02 |
| 5000 | 2,19E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,99E-01 | 9,99E-01 | 6,88E-02 |
| 6000 | 2,19E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,99E-01 | 9,99E-01 | 7,17E-02 |
| 8000 | 2,19E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,99E-01 | 9,99E-01 | 7,59E-02 |
| 10000 | 2,19E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,98E-01 | 9,99E-01 | 7,89E-02 |
| 13500 | 2,20E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,98E-01 | 9,98E-01 | 8,21E-02 |
| 14600 | 2,20E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,98E-01 | 9,98E-01 | 8,28E-02 |
| 18250 | 2,20E-01 | 4,01E-01 | 6,61E-01 | 6,28E-01 | 9,98E-01 | 9,98E-01 | 8,28E-02 |
| Eff. Dosis | 5,8E-07 | 4,2E-07 | 2,2E-07 | 1,1E-07 | 1,1E-09 | 2,3E-11 | 2,3E-06 |
| Gebärmutter | 1,9E-08 | 1,4E-08 | 7,1E-09 | 3,3E-09 | 2,0E-10 | 4,1E-12 | 4,1E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-241 | | | | | | | | |
|-------------|--|----------|----------|----------|---------------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Plutoniumdioxid, Plutonium in Mischoxid | | | | Inhalation Dioxid (1-nm-Nanopartikel) | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 3,40E-03 | 1,11E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 7,44E-02 | 2,35E-01 | 4,52E-01 | 4,43E-01 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 8,70E-02 | 2,72E-01 | 5,23E-01 | 5,13E-01 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,52E-02 | 2,95E-01 | 5,67E-01 | 5,56E-01 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,07E-01 | 3,22E-01 | 6,17E-01 | 6,04E-01 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,08E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,08E-01 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,08E-01 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,08E-01 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,08E-01 |
| 15 | 1,27E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,08E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 30 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,17E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 45 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 60 | 1,42E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,19E-01 | 3,31E-01 | 6,24E-01 | 6,09E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,20E-01 | 3,31E-01 | 6,24E-01 | 6,09E-01 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,16E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,21E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,33E-01 | 6,24E-01 | 6,10E-01 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 180 | 1,67E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,24E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,22E-01 | 1,26E-01 | 3,36E-01 | 6,26E-01 | 6,11E-01 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 365 | 1,91E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 1,28E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 1,28E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 800 | 2,13E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 900 | 2,16E-01 | 3,99E-01 | 6,60E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 1000 | 2,17E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 2000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 1,31E-01 | 3,39E-01 | 6,28E-01 | 6,11E-01 |
| 3000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 1,32E-01 | 3,40E-01 | 6,28E-01 | 6,11E-01 |
| 4000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 5000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 6000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 1,34E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 8000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 1,34E-01 | 3,42E-01 | 6,29E-01 | 6,12E-01 |
| 10000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 1,35E-01 | 3,42E-01 | 6,29E-01 | 6,12E-01 |
| 13500 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 1,35E-01 | 3,42E-01 | 6,29E-01 | 6,11E-01 |
| 14600 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 1,35E-01 | 3,42E-01 | 6,29E-01 | 6,11E-01 |
| 18250 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 1,35E-01 | 3,42E-01 | 6,29E-01 | 6,11E-01 |
| Eff. Dosis | 1,2E-06 | 8,4E-07 | 4,4E-07 | 2,1E-07 | 4,5E-07 | 3,1E-07 | 1,9E-07 | 9,9E-08 |
| Gebärmutter | 3,4E-09 | 2,5E-09 | 1,3E-09 | 5,9E-10 | 6,2E-08 | 4,4E-08 | 2,3E-08 | 1,1E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-241 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,09E-01 |
| 8 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 |
| 13 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,28E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,31E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,33E-01 | 3,40E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,37E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 100 | 1,41E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,44E-01 | 3,48E-01 | 6,34E-01 | 6,15E-01 |
| 180 | 1,51E-01 | 3,53E-01 | 6,37E-01 | 6,16E-01 |
| 200 | 1,53E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 300 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 360 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,18E-01 |
| 365 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,18E-01 |
| 400 | 1,65E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 500 | 1,68E-01 | 3,65E-01 | 6,43E-01 | 6,19E-01 |
| 600 | 1,70E-01 | 3,66E-01 | 6,43E-01 | 6,19E-01 |
| 700 | 1,71E-01 | 3,67E-01 | 6,44E-01 | 6,20E-01 |
| 800 | 1,71E-01 | 3,67E-01 | 6,44E-01 | 6,20E-01 |
| 900 | 1,72E-01 | 3,68E-01 | 6,44E-01 | 6,20E-01 |
| 1000 | 1,72E-01 | 3,68E-01 | 6,44E-01 | 6,20E-01 |
| 2000 | 1,74E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 3000 | 1,75E-01 | 3,70E-01 | 6,45E-01 | 6,20E-01 |
| 4000 | 1,75E-01 | 3,70E-01 | 6,45E-01 | 6,20E-01 |
| 5000 | 1,75E-01 | 3,70E-01 | 6,45E-01 | 6,20E-01 |
| 6000 | 1,76E-01 | 3,70E-01 | 6,45E-01 | 6,20E-01 |
| 8000 | 1,76E-01 | 3,71E-01 | 6,46E-01 | 6,20E-01 |
| 10000 | 1,76E-01 | 3,71E-01 | 6,46E-01 | 6,20E-01 |
| 13500 | 1,77E-01 | 3,71E-01 | 6,45E-01 | 6,20E-01 |
| 14600 | 1,77E-01 | 3,71E-01 | 6,45E-01 | 6,20E-01 |
| 18250 | 1,77E-01 | 3,71E-01 | 6,45E-01 | 6,20E-01 |
| Eff. Dosis | 2,9E-07 | 2,1E-07 | 1,2E-07 | 5,8E-08 |
| Gebärmutter | 4,6E-08 | 3,3E-08 | 1,7E-08 | 7,9E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-242 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,52E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,40E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,64E-02 | 2,71E-01 | 5,22E-01 | 5,12E-01 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,44E-02 | 2,94E-01 | 5,66E-01 | 5,55E-01 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,02E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,05E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,13E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,07E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 100 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,39E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 2000 | 1,16E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,39E-01 | 6,18E-01 |
| 3000 | 1,17E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,19E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 6000 | 1,20E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 | 1,62E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 8000 | 1,22E-01 | 3,34E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 10000 | 1,24E-01 | 3,35E-01 | 6,25E-01 | 6,10E-01 | 1,65E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 13500 | 1,27E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,66E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 14600 | 1,27E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,19E-01 |
| 18250 | 1,27E-01 | 3,37E-01 | 6,26E-01 | 6,10E-01 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,19E-01 |
| Eff. Dosis | 4,6E-05 | 3,2E-05 | 1,9E-05 | 9,7E-06 | 3,3E-05 | 2,4E-05 | 1,3E-05 | 6,3E-06 |
| Gebärmutter | 4,9E-06 | 3,5E-06 | 1,9E-06 | 9,1E-07 | 3,6E-06 | 2,6E-06 | 1,3E-06 | 6,1E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-242 | | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | fA=5e-4 | fA=1E-5 | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 5,88E-02 | 1,88E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 4,65E-01 | 2,18E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 8,21E-01 | 5,59E-03 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 9,07E-01 | 7,17E-03 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 9,54E-01 | 8,51E-03 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 9,90E-01 | 1,05E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 9,98E-01 | 9,98E-01 | 1,19E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,00E+00 | 1,29E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,00E+00 | 1,37E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 1,00E+00 | 1,44E-02 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 1,00E+00 | 1,51E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,57E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,62E-02 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,67E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,72E-02 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 1,00E+00 | 1,77E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 1,00E+00 | 1,97E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,26E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,44E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,51E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 1,00E+00 | 2,56E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 1,00E+00 | 2,65E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 1,00E+00 | 2,71E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,76E-02 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,79E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 1,00E+00 | 2,83E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 1,00E+00 | 2,88E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 1,00E+00 | 3,03E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 1,00E+00 | 3,07E-02 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,23E-01 | 1,00E+00 | 1,00E+00 | 3,29E-02 |
| 360 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,42E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,43E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,00E+00 | 1,00E+00 | 3,50E-02 |
| 500 | 2,02E-01 | 3,89E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 1,00E+00 | 3,70E-02 |
| 600 | 2,07E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 1,00E+00 | 3,88E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 1,00E+00 | 4,06E-02 |
| 800 | 2,14E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 1,00E+00 | 4,22E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,00E+00 | 4,38E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 1,00E+00 | 4,53E-02 |
| 2000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 5,74E-02 |
| 3000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 6,63E-02 |
| 4000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 7,37E-02 |
| 5000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 8,02E-02 |
| 6000 | 2,24E-01 | 4,05E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 8,62E-02 |
| 8000 | 2,24E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 9,69E-02 |
| 10000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,07E-01 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,22E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,26E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,00E+00 | 1,26E-01 |
| Eff. Dosis | 3,9E-05 | 2,9E-05 | 1,7E-05 | 8,8E-06 | 1,2E-07 | 2,3E-09 | 2,3E-04 |
| Gebärmutter | 9,5E-07 | 6,8E-07 | 3,5E-07 | 1,6E-07 | 1,5E-08 | 2,9E-10 | 2,9E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-242 | | | | | | | | |
|-------------|--|----------|----------|----------|---------------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Plutoniumdioxid, Plutonium in Mischoxid | | | | Inhalation Dioxid (1-nm-Nanopartikel) | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 3,40E-03 | 1,11E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 7,44E-02 | 2,35E-01 | 4,52E-01 | 4,43E-01 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,16E-01 | 8,70E-02 | 2,72E-01 | 5,23E-01 | 5,13E-01 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,53E-02 | 2,95E-01 | 5,67E-01 | 5,56E-01 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 1,04E-01 | 3,16E-01 | 6,06E-01 | 5,94E-01 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 1,07E-01 | 3,22E-01 | 6,17E-01 | 6,04E-01 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,11E-01 | 1,09E-01 | 3,24E-01 | 6,20E-01 | 6,07E-01 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 1,10E-01 | 3,25E-01 | 6,21E-01 | 6,08E-01 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,08E-01 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,08E-01 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 14 | 1,26E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,14E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 30 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,18E-01 | 3,31E-01 | 6,24E-01 | 6,09E-01 |
| 60 | 1,42E-01 | 3,46E-01 | 6,34E-01 | 6,16E-01 | 1,19E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 80 | 1,47E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 |
| 90 | 1,49E-01 | 3,51E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,21E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 120 | 1,56E-01 | 3,56E-01 | 6,39E-01 | 6,18E-01 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 180 | 1,67E-01 | 3,64E-01 | 6,43E-01 | 6,20E-01 | 1,24E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 200 | 1,71E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,10E-01 |
| 300 | 1,85E-01 | 3,77E-01 | 6,50E-01 | 6,23E-01 | 1,27E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 360 | 1,92E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 365 | 1,92E-01 | 3,82E-01 | 6,52E-01 | 6,24E-01 | 1,27E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 400 | 1,95E-01 | 3,84E-01 | 6,53E-01 | 6,24E-01 | 1,28E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 500 | 2,03E-01 | 3,90E-01 | 6,56E-01 | 6,26E-01 | 1,28E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 600 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 700 | 2,13E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 1,29E-01 | 3,38E-01 | 6,27E-01 | 6,11E-01 |
| 800 | 2,17E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,29E-01 | 3,38E-01 | 6,28E-01 | 6,11E-01 |
| 900 | 2,19E-01 | 4,01E-01 | 6,62E-01 | 6,28E-01 | 1,29E-01 | 3,39E-01 | 6,28E-01 | 6,11E-01 |
| 1000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 1,30E-01 | 3,39E-01 | 6,28E-01 | 6,11E-01 |
| 2000 | 2,25E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,32E-01 | 3,40E-01 | 6,28E-01 | 6,12E-01 |
| 3000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 4000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,34E-01 | 3,42E-01 | 6,29E-01 | 6,12E-01 |
| 5000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,35E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 |
| 6000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,36E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 |
| 8000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 10000 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,39E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,41E-01 | 3,47E-01 | 6,32E-01 | 6,13E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,42E-01 | 3,47E-01 | 6,32E-01 | 6,14E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,42E-01 | 3,47E-01 | 6,32E-01 | 6,14E-01 |
| Eff. Dosis | 5,8E-05 | 4,3E-05 | 2,4E-05 | 1,2E-05 | 4,1E-05 | 2,9E-05 | 1,6E-05 | 8,4E-06 |
| Gebärmutter | 1,6E-07 | 1,1E-07 | 5,8E-08 | 2,7E-08 | 4,4E-06 | 3,1E-06 | 1,7E-06 | 8,0E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Pu-242 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,80E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,67E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,11E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 15 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,29E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,31E-01 | 3,38E-01 | 6,30E-01 | 6,13E-01 |
| 45 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,14E-01 |
| 50 | 1,33E-01 | 3,40E-01 | 6,30E-01 | 6,14E-01 |
| 60 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 80 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 90 | 1,40E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 100 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,45E-01 | 3,48E-01 | 6,35E-01 | 6,16E-01 |
| 180 | 1,52E-01 | 3,53E-01 | 6,37E-01 | 6,17E-01 |
| 200 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 300 | 1,61E-01 | 3,60E-01 | 6,41E-01 | 6,18E-01 |
| 360 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| 365 | 1,65E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 |
| 400 | 1,66E-01 | 3,64E-01 | 6,42E-01 | 6,19E-01 |
| 500 | 1,69E-01 | 3,66E-01 | 6,43E-01 | 6,19E-01 |
| 600 | 1,71E-01 | 3,67E-01 | 6,44E-01 | 6,20E-01 |
| 700 | 1,72E-01 | 3,68E-01 | 6,44E-01 | 6,20E-01 |
| 800 | 1,73E-01 | 3,68E-01 | 6,45E-01 | 6,20E-01 |
| 900 | 1,73E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 1000 | 1,74E-01 | 3,69E-01 | 6,45E-01 | 6,20E-01 |
| 2000 | 1,76E-01 | 3,70E-01 | 6,46E-01 | 6,21E-01 |
| 3000 | 1,77E-01 | 3,71E-01 | 6,46E-01 | 6,21E-01 |
| 4000 | 1,77E-01 | 3,72E-01 | 6,46E-01 | 6,21E-01 |
| 5000 | 1,78E-01 | 3,72E-01 | 6,47E-01 | 6,21E-01 |
| 6000 | 1,79E-01 | 3,73E-01 | 6,47E-01 | 6,21E-01 |
| 8000 | 1,80E-01 | 3,74E-01 | 6,47E-01 | 6,21E-01 |
| 10000 | 1,81E-01 | 3,74E-01 | 6,48E-01 | 6,21E-01 |
| 13500 | 1,83E-01 | 3,75E-01 | 6,48E-01 | 6,22E-01 |
| 14600 | 1,83E-01 | 3,76E-01 | 6,48E-01 | 6,22E-01 |
| 18250 | 1,83E-01 | 3,76E-01 | 6,48E-01 | 6,22E-01 |
| Eff. Dosis | 3,1E-05 | 2,2E-05 | 1,2E-05 | 6,2E-06 |
| Gebärmutter | 3,0E-06 | 2,2E-06 | 1,1E-06 | 5,2E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Am-241 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,44E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,68E-02 | 2,72E-01 | 5,22E-01 | 5,13E-01 | 8,81E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,49E-02 | 2,95E-01 | 5,66E-01 | 5,55E-01 | 9,68E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,06E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,08E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,39E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,18E-01 |
| 2000 | 1,16E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,58E-01 | 6,40E-01 | 6,18E-01 |
| 3000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,19E-01 | 3,31E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 6000 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,09E-01 | 1,62E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 8000 | 1,21E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 10000 | 1,22E-01 | 3,34E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,61E-01 | 6,41E-01 | 6,19E-01 |
| 13500 | 1,23E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 14600 | 1,23E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 18250 | 1,23E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| Eff. Dosis | 2,7E-05 | 1,9E-05 | 1,1E-05 | 6,2E-06 | 2,0E-05 | 1,4E-05 | 8,0E-06 | 4,1E-06 |
| Gebärmutter | 5,7E-06 | 4,0E-06 | 2,2E-06 | 1,1E-06 | 4,1E-06 | 2,9E-06 | 1,5E-06 | 7,0E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Am-241 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 9,82E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 5,95E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 1,02E-02 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 1,15E-02 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 1,24E-02 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 1,34E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 9,98E-01 | 1,39E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,43E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,46E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 1,49E-02 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 1,52E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,00E+00 | 1,55E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,57E-02 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,60E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,62E-02 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 1,65E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 1,76E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,00E+00 | 1,96E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 2,13E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 2,20E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 2,26E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 2,38E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 2,48E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 2,56E-02 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 2,63E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 2,70E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 2,80E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 3,04E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 3,10E-02 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,23E-01 | 1,00E+00 | 3,37E-02 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 3,52E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 3,53E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,00E+00 | 3,62E-02 |
| 500 | 2,01E-01 | 3,89E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 3,84E-02 |
| 600 | 2,07E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 4,05E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 4,25E-02 |
| 800 | 2,14E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 4,44E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 4,62E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 4,79E-02 |
| 2000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 6,09E-02 |
| 3000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 6,95E-02 |
| 4000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 7,58E-02 |
| 5000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 8,06E-02 |
| 6000 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 8,45E-02 |
| 8000 | 2,24E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 9,04E-02 |
| 10000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 9,47E-02 |
| 13500 | 2,25E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,01E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,02E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,02E-01 |
| Eff. Dosis | 3,9E-05 | 2,9E-05 | 1,7E-05 | 9,0E-06 | 5,9E-08 | 1,2E-04 |
| Gebärmutter | 1,01E-06 | 7,3E-07 | 3,8E-07 | 1,8E-07 | 1,7E-08 | 3,3E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Am-241 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,54E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,48E-02 | 2,35E-01 | 4,52E-01 | 4,44E-01 |
| 3,5 | 8,75E-02 | 2,72E-01 | 5,24E-01 | 5,14E-01 |
| 4 | 9,58E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 |
| 5 | 1,05E-01 | 3,17E-01 | 6,07E-01 | 5,95E-01 |
| 6 | 1,08E-01 | 3,23E-01 | 6,17E-01 | 6,05E-01 |
| 7 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,08E-01 |
| 8 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 9 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 10 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 11 | 1,14E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 12 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 13 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 14 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 15 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 20 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 |
| 30 | 1,19E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 40 | 1,20E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 45 | 1,20E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 50 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 60 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 70 | 1,23E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 80 | 1,23E-01 | 3,34E-01 | 6,26E-01 | 6,11E-01 |
| 90 | 1,24E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 100 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 120 | 1,26E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 180 | 1,29E-01 | 3,38E-01 | 6,28E-01 | 6,11E-01 |
| 200 | 1,30E-01 | 3,38E-01 | 6,28E-01 | 6,12E-01 |
| 300 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 360 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 365 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 400 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 500 | 1,34E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 600 | 1,34E-01 | 3,42E-01 | 6,30E-01 | 6,12E-01 |
| 700 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,12E-01 |
| 800 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,12E-01 |
| 900 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,13E-01 |
| 1000 | 1,35E-01 | 3,43E-01 | 6,30E-01 | 6,13E-01 |
| 2000 | 1,37E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 3000 | 1,39E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 4000 | 1,40E-01 | 3,46E-01 | 6,32E-01 | 6,13E-01 |
| 5000 | 1,40E-01 | 3,46E-01 | 6,32E-01 | 6,13E-01 |
| 6000 | 1,41E-01 | 3,46E-01 | 6,32E-01 | 6,14E-01 |
| 8000 | 1,42E-01 | 3,47E-01 | 6,32E-01 | 6,14E-01 |
| 10000 | 1,43E-01 | 3,48E-01 | 6,33E-01 | 6,14E-01 |
| 13500 | 1,43E-01 | 3,48E-01 | 6,33E-01 | 6,14E-01 |
| 14600 | 1,44E-01 | 3,48E-01 | 6,33E-01 | 6,14E-01 |
| 18250 | 1,44E-01 | 3,48E-01 | 6,33E-01 | 6,14E-01 |
| Eff. Dosis | 2,4E-05 | 1,7E-05 | 9,8E-06 | 5,2E-06 |
| Gebärmutter | 4,8E-06 | 3,4E-06 | 1,8E-06 | 8,6E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Am-243 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,44E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,68E-02 | 2,72E-01 | 5,22E-01 | 5,13E-01 | 8,81E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,49E-02 | 2,95E-01 | 5,66E-01 | 5,55E-01 | 9,68E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,06E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,08E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,39E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,18E-01 |
| 2000 | 1,16E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,58E-01 | 6,40E-01 | 6,18E-01 |
| 3000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,19E-01 | 3,31E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,41E-01 | 6,18E-01 |
| 6000 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,09E-01 | 1,62E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 8000 | 1,21E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 10000 | 1,22E-01 | 3,34E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 13500 | 1,23E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 14600 | 1,23E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| 18250 | 1,23E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| Eff. Dosis | 2,7E-05 | 1,9E-05 | 1,1E-05 | 6,2E-06 | 2,0E-05 | 1,4E-05 | 7,9E-06 | 4,0E-06 |
| Gebärmutter | 5,7E-06 | 4,0E-06 | 2,2E-06 | 1,1E-06 | 4,2E-06 | 3,0E-06 | 1,5E-06 | 7,1E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Am-243 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 9,82E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 5,95E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 1,02E-02 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 1,15E-02 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 1,24E-02 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 1,34E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 9,98E-01 | 1,39E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,43E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,46E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 1,49E-02 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 1,52E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,00E+00 | 1,55E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,57E-02 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,60E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,62E-02 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 1,65E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 1,76E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,00E+00 | 1,96E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 2,13E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 2,20E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 2,26E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 2,38E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 2,48E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 2,56E-02 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 2,63E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 2,70E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 2,81E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 3,04E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 3,10E-02 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,23E-01 | 1,00E+00 | 3,38E-02 |
| 360 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 3,52E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 3,54E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,00E+00 | 3,62E-02 |
| 500 | 2,02E-01 | 3,89E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 3,84E-02 |
| 600 | 2,07E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 4,06E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 4,26E-02 |
| 800 | 2,14E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 4,44E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 4,62E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 4,79E-02 |
| 2000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 6,10E-02 |
| 3000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 6,97E-02 |
| 4000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 7,61E-02 |
| 5000 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 8,10E-02 |
| 6000 | 2,24E-01 | 4,05E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 8,49E-02 |
| 8000 | 2,24E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 9,10E-02 |
| 10000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 9,55E-02 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,02E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,03E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,03E-01 |
| Eff. Dosis | 3,8E-05 | 2,8E-05 | 1,6E-05 | 8,8E-06 | 5,8E-08 | 1,2E-04 |
| Gebärmutter | 1,0E-06 | 7,4E-07 | 3,9E-07 | 1,8E-07 | 1,7E-08 | 3,4E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Am-243 | | | | |
|-------------|-------------------|----------|----------|----------|
| Zeit (d) | Inhalation Nitrat | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,54E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,48E-02 | 2,35E-01 | 4,52E-01 | 4,44E-01 |
| 3,5 | 8,75E-02 | 2,72E-01 | 5,24E-01 | 5,14E-01 |
| 4 | 9,58E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 |
| 5 | 1,05E-01 | 3,17E-01 | 6,07E-01 | 5,95E-01 |
| 6 | 1,08E-01 | 3,23E-01 | 6,17E-01 | 6,05E-01 |
| 7 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,08E-01 |
| 8 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 9 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 10 | 1,13E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 11 | 1,14E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 12 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 13 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 14 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 15 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 20 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 |
| 30 | 1,19E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 40 | 1,20E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 45 | 1,20E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 50 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 60 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 70 | 1,23E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 |
| 80 | 1,23E-01 | 3,34E-01 | 6,26E-01 | 6,11E-01 |
| 90 | 1,24E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 100 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 120 | 1,26E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 180 | 1,29E-01 | 3,38E-01 | 6,28E-01 | 6,11E-01 |
| 200 | 1,30E-01 | 3,38E-01 | 6,28E-01 | 6,12E-01 |
| 300 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 360 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 365 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 400 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 500 | 1,34E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 600 | 1,34E-01 | 3,42E-01 | 6,30E-01 | 6,12E-01 |
| 700 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,12E-01 |
| 800 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,12E-01 |
| 900 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,13E-01 |
| 1000 | 1,35E-01 | 3,43E-01 | 6,30E-01 | 6,13E-01 |
| 2000 | 1,37E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 3000 | 1,39E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 4000 | 1,40E-01 | 3,46E-01 | 6,32E-01 | 6,13E-01 |
| 5000 | 1,40E-01 | 3,46E-01 | 6,32E-01 | 6,13E-01 |
| 6000 | 1,41E-01 | 3,47E-01 | 6,32E-01 | 6,14E-01 |
| 8000 | 1,42E-01 | 3,47E-01 | 6,33E-01 | 6,14E-01 |
| 10000 | 1,43E-01 | 3,48E-01 | 6,33E-01 | 6,14E-01 |
| 13500 | 1,44E-01 | 3,48E-01 | 6,33E-01 | 6,14E-01 |
| 14600 | 1,44E-01 | 3,48E-01 | 6,33E-01 | 6,14E-01 |
| 18250 | 1,44E-01 | 3,48E-01 | 6,33E-01 | 6,14E-01 |
| Eff. Dosis | 2,4E-05 | 1,7E-05 | 9,7E-06 | 5,2E-06 |
| Gebärmutter | 4,8E-06 | 3,4E-06 | 1,8E-06 | 8,7E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-242 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,40E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 3,51E-02 | 1,12E-01 | 2,17E-01 | 2,12E-01 | 3,53E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 7,37E-02 | 2,32E-01 | 4,47E-01 | 4,39E-01 | 7,45E-02 | 2,34E-01 | 4,49E-01 | 4,41E-01 |
| 3,5 | 8,60E-02 | 2,69E-01 | 5,18E-01 | 5,08E-01 | 8,73E-02 | 2,71E-01 | 5,20E-01 | 5,10E-01 |
| 4 | 9,40E-02 | 2,92E-01 | 5,61E-01 | 5,50E-01 | 9,58E-02 | 2,94E-01 | 5,64E-01 | 5,53E-01 |
| 5 | 1,02E-01 | 3,12E-01 | 5,99E-01 | 5,87E-01 | 1,05E-01 | 3,15E-01 | 6,02E-01 | 5,90E-01 |
| 6 | 1,05E-01 | 3,18E-01 | 6,09E-01 | 5,97E-01 | 1,10E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 |
| 7 | 1,06E-01 | 3,20E-01 | 6,11E-01 | 5,99E-01 | 1,12E-01 | 3,24E-01 | 6,16E-01 | 6,03E-01 |
| 8 | 1,06E-01 | 3,20E-01 | 6,12E-01 | 6,00E-01 | 1,14E-01 | 3,25E-01 | 6,17E-01 | 6,04E-01 |
| 9 | 1,07E-01 | 3,20E-01 | 6,12E-01 | 6,00E-01 | 1,16E-01 | 3,26E-01 | 6,18E-01 | 6,04E-01 |
| 10 | 1,07E-01 | 3,20E-01 | 6,12E-01 | 6,00E-01 | 1,17E-01 | 3,27E-01 | 6,18E-01 | 6,05E-01 |
| 11 | 1,07E-01 | 3,21E-01 | 6,12E-01 | 6,00E-01 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 |
| 12 | 1,07E-01 | 3,21E-01 | 6,12E-01 | 6,00E-01 | 1,19E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 |
| 13 | 1,07E-01 | 3,21E-01 | 6,12E-01 | 6,00E-01 | 1,20E-01 | 3,29E-01 | 6,19E-01 | 6,05E-01 |
| 14 | 1,07E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | 1,21E-01 | 3,29E-01 | 6,20E-01 | 6,05E-01 |
| 15 | 1,07E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | 1,21E-01 | 3,29E-01 | 6,20E-01 | 6,05E-01 |
| 20 | 1,07E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | 1,23E-01 | 3,31E-01 | 6,21E-01 | 6,06E-01 |
| 30 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | 1,26E-01 | 3,32E-01 | 6,22E-01 | 6,06E-01 |
| 40 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | 1,28E-01 | 3,34E-01 | 6,22E-01 | 6,06E-01 |
| 45 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | 1,28E-01 | 3,34E-01 | 6,22E-01 | 6,07E-01 |
| 50 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | 1,29E-01 | 3,35E-01 | 6,23E-01 | 6,07E-01 |
| 60 | 1,08E-01 | 3,21E-01 | 6,13E-01 | 6,00E-01 | 1,31E-01 | 3,36E-01 | 6,23E-01 | 6,07E-01 |
| 70 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,32E-01 | 3,37E-01 | 6,24E-01 | 6,07E-01 |
| 80 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,33E-01 | 3,37E-01 | 6,24E-01 | 6,07E-01 |
| 90 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,34E-01 | 3,38E-01 | 6,24E-01 | 6,07E-01 |
| 100 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,35E-01 | 3,39E-01 | 6,25E-01 | 6,08E-01 |
| 120 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,36E-01 | 3,40E-01 | 6,25E-01 | 6,08E-01 |
| 180 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,39E-01 | 3,41E-01 | 6,26E-01 | 6,08E-01 |
| 200 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,39E-01 | 3,42E-01 | 6,26E-01 | 6,08E-01 |
| 300 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 360 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 365 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 400 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 500 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 600 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 700 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 800 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 900 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 1000 | 1,09E-01 | 3,22E-01 | 6,13E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 2000 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 3000 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 4000 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 5000 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 6000 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 8000 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 10000 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 13500 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 14600 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| 18250 | 1,09E-01 | 3,22E-01 | 6,12E-01 | 6,00E-01 | 1,41E-01 | 3,43E-01 | 6,26E-01 | 6,08E-01 |
| Eff. Dosis | 1,8E-06 | 1,2E-06 | 7,0E-07 | 3,8E-07 | 3,3E-06 | 2,3E-06 | 1,4E-06 | 8,2E-07 |
| Gebärmutter | 8,3E-08 | 5,8E-08 | 3,2E-08 | 1,5E-08 | 4,9E-08 | 3,5E-08 | 1,8E-08 | 8,4E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-242 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,09E-02 | 5,86E-02 | 9,79E-04 |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,13E-01 | 4,62E-01 | 5,92E-03 |
| 3 | 7,47E-02 | 2,34E-01 | 4,50E-01 | 4,41E-01 | 8,14E-01 | 1,02E-02 |
| 3,5 | 8,76E-02 | 2,71E-01 | 5,21E-01 | 5,11E-01 | 8,99E-01 | 1,14E-02 |
| 4 | 9,63E-02 | 2,94E-01 | 5,64E-01 | 5,53E-01 | 9,45E-01 | 1,23E-02 |
| 5 | 1,06E-01 | 3,16E-01 | 6,03E-01 | 5,91E-01 | 9,80E-01 | 1,32E-02 |
| 6 | 1,11E-01 | 3,22E-01 | 6,14E-01 | 6,01E-01 | 9,88E-01 | 1,38E-02 |
| 7 | 1,14E-01 | 3,25E-01 | 6,17E-01 | 6,04E-01 | 9,90E-01 | 1,42E-02 |
| 8 | 1,16E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 | 9,90E-01 | 1,45E-02 |
| 9 | 1,18E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 9,90E-01 | 1,47E-02 |
| 10 | 1,20E-01 | 3,29E-01 | 6,20E-01 | 6,06E-01 | 9,90E-01 | 1,50E-02 |
| 11 | 1,21E-01 | 3,29E-01 | 6,21E-01 | 6,06E-01 | 9,90E-01 | 1,53E-02 |
| 12 | 1,22E-01 | 3,30E-01 | 6,21E-01 | 6,06E-01 | 9,90E-01 | 1,55E-02 |
| 13 | 1,23E-01 | 3,31E-01 | 6,21E-01 | 6,06E-01 | 9,90E-01 | 1,58E-02 |
| 14 | 1,24E-01 | 3,31E-01 | 6,22E-01 | 6,07E-01 | 9,90E-01 | 1,60E-02 |
| 15 | 1,25E-01 | 3,32E-01 | 6,22E-01 | 6,07E-01 | 9,90E-01 | 1,62E-02 |
| 20 | 1,28E-01 | 3,33E-01 | 6,23E-01 | 6,07E-01 | 9,90E-01 | 1,73E-02 |
| 30 | 1,31E-01 | 3,36E-01 | 6,24E-01 | 6,08E-01 | 9,90E-01 | 1,91E-02 |
| 40 | 1,33E-01 | 3,37E-01 | 6,25E-01 | 6,08E-01 | 9,90E-01 | 2,05E-02 |
| 45 | 1,35E-01 | 3,38E-01 | 6,25E-01 | 6,08E-01 | 9,90E-01 | 2,11E-02 |
| 50 | 1,36E-01 | 3,39E-01 | 6,26E-01 | 6,09E-01 | 9,90E-01 | 2,16E-02 |
| 60 | 1,38E-01 | 3,40E-01 | 6,26E-01 | 6,09E-01 | 9,90E-01 | 2,25E-02 |
| 70 | 1,39E-01 | 3,42E-01 | 6,27E-01 | 6,09E-01 | 9,90E-01 | 2,33E-02 |
| 80 | 1,41E-01 | 3,43E-01 | 6,28E-01 | 6,09E-01 | 9,90E-01 | 2,39E-02 |
| 90 | 1,43E-01 | 3,44E-01 | 6,28E-01 | 6,10E-01 | 9,90E-01 | 2,44E-02 |
| 100 | 1,44E-01 | 3,45E-01 | 6,29E-01 | 6,10E-01 | 9,90E-01 | 2,48E-02 |
| 120 | 1,47E-01 | 3,47E-01 | 6,30E-01 | 6,10E-01 | 9,90E-01 | 2,55E-02 |
| 180 | 1,53E-01 | 3,51E-01 | 6,32E-01 | 6,11E-01 | 9,90E-01 | 2,68E-02 |
| 200 | 1,54E-01 | 3,52E-01 | 6,32E-01 | 6,11E-01 | 9,90E-01 | 2,70E-02 |
| 300 | 1,59E-01 | 3,56E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 2,80E-02 |
| 360 | 1,61E-01 | 3,57E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 2,83E-02 |
| 365 | 1,61E-01 | 3,57E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 2,84E-02 |
| 400 | 1,62E-01 | 3,57E-01 | 6,34E-01 | 6,12E-01 | 9,89E-01 | 2,85E-02 |
| 500 | 1,63E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,89E-01 | 2,89E-02 |
| 600 | 1,63E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,89E-01 | 2,91E-02 |
| 700 | 1,63E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,89E-01 | 2,92E-02 |
| 800 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,89E-01 | 2,93E-02 |
| 900 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,89E-01 | 2,93E-02 |
| 1000 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,93E-02 |
| 2000 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 3000 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 4000 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 5000 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 6000 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 8000 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 10000 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 13500 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 14600 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| 18250 | 1,64E-01 | 3,58E-01 | 6,35E-01 | 6,12E-01 | 9,88E-01 | 2,94E-02 |
| Eff. Dosis | 4,9E-06 | 3,6E-06 | 2,3E-06 | 1,4E-06 | 3,5E-09 | 7,0E-06 |
| Gebärmutter | 6,01E-09 | 4,3E-09 | 2,2E-09 | 1,0E-09 | 2,5E-10 | 4,9E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-242 | | | | |
|-------------|----------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Oxid, Nitrat, Chlorid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 |
| 2 | 3,52E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 |
| 3 | 7,42E-02 | 2,33E-01 | 4,49E-01 | 4,40E-01 |
| 3,5 | 8,68E-02 | 2,70E-01 | 5,19E-01 | 5,09E-01 |
| 4 | 9,51E-02 | 2,93E-01 | 5,63E-01 | 5,52E-01 |
| 5 | 1,04E-01 | 3,14E-01 | 6,01E-01 | 5,89E-01 |
| 6 | 1,08E-01 | 3,20E-01 | 6,11E-01 | 5,99E-01 |
| 7 | 1,10E-01 | 3,22E-01 | 6,14E-01 | 6,02E-01 |
| 8 | 1,11E-01 | 3,23E-01 | 6,15E-01 | 6,02E-01 |
| 9 | 1,12E-01 | 3,24E-01 | 6,16E-01 | 6,03E-01 |
| 10 | 1,13E-01 | 3,24E-01 | 6,16E-01 | 6,03E-01 |
| 11 | 1,14E-01 | 3,25E-01 | 6,16E-01 | 6,03E-01 |
| 12 | 1,14E-01 | 3,25E-01 | 6,17E-01 | 6,03E-01 |
| 13 | 1,15E-01 | 3,25E-01 | 6,17E-01 | 6,03E-01 |
| 14 | 1,15E-01 | 3,26E-01 | 6,17E-01 | 6,03E-01 |
| 15 | 1,16E-01 | 3,26E-01 | 6,17E-01 | 6,03E-01 |
| 20 | 1,17E-01 | 3,27E-01 | 6,18E-01 | 6,04E-01 |
| 30 | 1,19E-01 | 3,28E-01 | 6,18E-01 | 6,04E-01 |
| 40 | 1,20E-01 | 3,29E-01 | 6,19E-01 | 6,04E-01 |
| 45 | 1,20E-01 | 3,29E-01 | 6,19E-01 | 6,04E-01 |
| 50 | 1,21E-01 | 3,29E-01 | 6,19E-01 | 6,04E-01 |
| 60 | 1,21E-01 | 3,30E-01 | 6,19E-01 | 6,04E-01 |
| 70 | 1,22E-01 | 3,30E-01 | 6,19E-01 | 6,04E-01 |
| 80 | 1,23E-01 | 3,31E-01 | 6,19E-01 | 6,04E-01 |
| 90 | 1,23E-01 | 3,31E-01 | 6,20E-01 | 6,05E-01 |
| 100 | 1,24E-01 | 3,31E-01 | 6,20E-01 | 6,05E-01 |
| 120 | 1,24E-01 | 3,32E-01 | 6,20E-01 | 6,05E-01 |
| 180 | 1,25E-01 | 3,32E-01 | 6,20E-01 | 6,05E-01 |
| 200 | 1,25E-01 | 3,33E-01 | 6,20E-01 | 6,05E-01 |
| 300 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,05E-01 |
| 360 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,05E-01 |
| 365 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,05E-01 |
| 400 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,05E-01 |
| 500 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 600 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 700 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 800 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 900 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 1000 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 2000 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 3000 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 4000 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 5000 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 6000 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 8000 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 10000 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 13500 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 14600 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| 18250 | 1,26E-01 | 3,33E-01 | 6,20E-01 | 6,04E-01 |
| Eff. Dosis | 2,5E-06 | 1,7E-06 | 1,0E-06 | 5,7E-07 |
| Gebärmutter | 6,6E-08 | 4,7E-08 | 2,5E-08 | 1,2E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-243 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,44E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,68E-02 | 2,72E-01 | 5,22E-01 | 5,12E-01 | 8,81E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,49E-02 | 2,95E-01 | 5,66E-01 | 5,55E-01 | 9,68E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,06E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,09E-01 |
| 8 | 1,07E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 30 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,28E-01 | 6,13E-01 |
| 40 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,31E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,40E-01 | 6,30E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,39E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,53E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 2000 | 1,16E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,39E-01 | 6,18E-01 |
| 3000 | 1,17E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,19E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 6000 | 1,19E-01 | 3,32E-01 | 6,23E-01 | 6,08E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 8000 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,08E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 10000 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 13500 | 1,21E-01 | 3,33E-01 | 6,23E-01 | 6,09E-01 | 1,62E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 14600 | 1,21E-01 | 3,33E-01 | 6,23E-01 | 6,09E-01 | 1,62E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 18250 | 1,21E-01 | 3,33E-01 | 6,23E-01 | 6,09E-01 | 1,62E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| Eff. Dosis | 2,0E-05 | 1,4E-05 | 8,4E-06 | 4,5E-06 | 1,6E-05 | 1,1E-05 | 6,4E-06 | 3,3E-06 |
| Gebärmutter | 3,5E-06 | 2,5E-06 | 1,3E-06 | 6,6E-07 | 2,6E-06 | 1,8E-06 | 9,4E-07 | 4,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-243 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 9,83E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 5,95E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 1,02E-02 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 1,15E-02 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 1,24E-02 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,89E-01 | 1,34E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,97E-01 | 1,39E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,43E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,46E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,99E-01 | 1,49E-02 |
| 10 | 1,21E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 9,99E-01 | 1,52E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 9,99E-01 | 1,55E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,57E-02 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,60E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,62E-02 |
| 15 | 1,27E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 9,99E-01 | 1,65E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 9,99E-01 | 1,76E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 9,99E-01 | 1,96E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 9,99E-01 | 2,13E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 | 9,99E-01 | 2,20E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 9,99E-01 | 2,26E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 9,99E-01 | 2,38E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 9,99E-01 | 2,47E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,16E-01 | 9,99E-01 | 2,56E-02 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 9,99E-01 | 2,63E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 9,99E-01 | 2,69E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 9,99E-01 | 2,80E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 9,99E-01 | 3,03E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 9,99E-01 | 3,10E-02 |
| 300 | 1,83E-01 | 3,75E-01 | 6,49E-01 | 6,22E-01 | 9,99E-01 | 3,36E-02 |
| 360 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,99E-01 | 3,51E-02 |
| 365 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,99E-01 | 3,52E-02 |
| 400 | 1,93E-01 | 3,83E-01 | 6,52E-01 | 6,24E-01 | 9,99E-01 | 3,60E-02 |
| 500 | 2,01E-01 | 3,88E-01 | 6,55E-01 | 6,25E-01 | 9,99E-01 | 3,82E-02 |
| 600 | 2,06E-01 | 3,92E-01 | 6,57E-01 | 6,26E-01 | 9,99E-01 | 4,02E-02 |
| 700 | 2,10E-01 | 3,94E-01 | 6,58E-01 | 6,27E-01 | 9,99E-01 | 4,22E-02 |
| 800 | 2,13E-01 | 3,96E-01 | 6,59E-01 | 6,27E-01 | 9,99E-01 | 4,40E-02 |
| 900 | 2,15E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 9,99E-01 | 4,56E-02 |
| 1000 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 9,99E-01 | 4,72E-02 |
| 2000 | 2,20E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 5,91E-02 |
| 3000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 6,65E-02 |
| 4000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 7,16E-02 |
| 5000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 7,53E-02 |
| 6000 | 2,21E-01 | 4,03E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 7,81E-02 |
| 8000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 9,99E-01 | 8,19E-02 |
| 10000 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 9,99E-01 | 8,45E-02 |
| 13500 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 9,99E-01 | 8,73E-02 |
| 14600 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 9,99E-01 | 8,79E-02 |
| 18250 | 2,22E-01 | 4,03E-01 | 6,63E-01 | 6,28E-01 | 9,99E-01 | 8,79E-02 |
| Eff. Dosis | 3,1E-05 | 2,3E-05 | 1,4E-05 | 7,5E-06 | 4,6E-08 | 9,2E-05 |
| Gebärmutter | 5,6E-07 | 4,0E-07 | 2,1E-07 | 9,5E-08 | 1,1E-08 | 2,1E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-243 | | | | |
|-------------|----------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Oxid, Nitrat, Chlorid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,54E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,48E-02 | 2,35E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,76E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 |
| 4 | 9,60E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 |
| 5 | 1,05E-01 | 3,17E-01 | 6,07E-01 | 5,95E-01 |
| 6 | 1,09E-01 | 3,23E-01 | 6,18E-01 | 6,05E-01 |
| 7 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 8 | 1,12E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 9 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 10 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 11 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 12 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 |
| 13 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 |
| 14 | 1,17E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 15 | 1,17E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 20 | 1,19E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 30 | 1,20E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 40 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,11E-01 |
| 45 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 50 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 60 | 1,24E-01 | 3,34E-01 | 6,26E-01 | 6,11E-01 |
| 70 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 80 | 1,25E-01 | 3,35E-01 | 6,27E-01 | 6,11E-01 |
| 90 | 1,26E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 100 | 1,27E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 120 | 1,28E-01 | 3,37E-01 | 6,27E-01 | 6,12E-01 |
| 180 | 1,30E-01 | 3,38E-01 | 6,28E-01 | 6,12E-01 |
| 200 | 1,30E-01 | 3,38E-01 | 6,28E-01 | 6,12E-01 |
| 300 | 1,31E-01 | 3,39E-01 | 6,29E-01 | 6,12E-01 |
| 360 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 365 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 400 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 500 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 600 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 700 | 1,33E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 800 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 900 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 1000 | 1,34E-01 | 3,41E-01 | 6,30E-01 | 6,13E-01 |
| 2000 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,13E-01 |
| 3000 | 1,36E-01 | 3,43E-01 | 6,31E-01 | 6,13E-01 |
| 4000 | 1,37E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 5000 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 6000 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 8000 | 1,39E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 10000 | 1,39E-01 | 3,45E-01 | 6,31E-01 | 6,13E-01 |
| 13500 | 1,40E-01 | 3,45E-01 | 6,32E-01 | 6,13E-01 |
| 14600 | 1,40E-01 | 3,45E-01 | 6,32E-01 | 6,13E-01 |
| 18250 | 1,40E-01 | 3,45E-01 | 6,32E-01 | 6,13E-01 |
| Eff. Dosis | 1,8E-05 | 1,3E-05 | 7,2E-06 | 3,7E-06 |
| Gebärmutter | 3,0E-06 | 2,2E-06 | 1,1E-06 | 5,4E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-244 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,44E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,68E-02 | 2,72E-01 | 5,22E-01 | 5,12E-01 | 8,81E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,49E-02 | 2,95E-01 | 5,66E-01 | 5,55E-01 | 9,68E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,06E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,09E-01 |
| 8 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,17E-01 | 3,30E-01 | 6,24E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,06E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 |
| 30 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,28E-01 | 6,13E-01 |
| 40 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,31E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,34E-01 | 3,40E-01 | 6,30E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,31E-01 | 6,14E-01 |
| 90 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,39E-01 | 3,44E-01 | 6,32E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 300 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,53E-01 | 6,37E-01 | 6,16E-01 |
| 360 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,55E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 900 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,38E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 2000 | 1,16E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,39E-01 | 6,18E-01 |
| 3000 | 1,17E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,58E-01 | 6,39E-01 | 6,18E-01 |
| 4000 | 1,18E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,18E-01 | 3,31E-01 | 6,22E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 6000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 8000 | 1,19E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 10000 | 1,19E-01 | 3,32E-01 | 6,23E-01 | 6,08E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 13500 | 1,19E-01 | 3,32E-01 | 6,23E-01 | 6,08E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 14600 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,08E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 18250 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,08E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| Eff. Dosis | 1,7E-05 | 1,2E-05 | 7,0E-06 | 3,7E-06 | 1,4E-05 | 1,0E-05 | 5,7E-06 | 2,9E-06 |
| Gebärmutter | 2,6E-06 | 1,9E-06 | 1,0E-06 | 4,9E-07 | 1,9E-06 | 1,4E-06 | 7,0E-07 | 3,2E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-244 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 9,82E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 5,95E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 1,02E-02 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 1,15E-02 |
| 4 | 9,72E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 1,24E-02 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,89E-01 | 1,34E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 9,97E-01 | 1,39E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,43E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,46E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 9,99E-01 | 1,49E-02 |
| 10 | 1,21E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 9,99E-01 | 1,52E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,99E-01 | 1,55E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,57E-02 |
| 13 | 1,25E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,60E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 9,99E-01 | 1,62E-02 |
| 15 | 1,27E-01 | 3,35E-01 | 6,29E-01 | 6,13E-01 | 9,99E-01 | 1,65E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 9,99E-01 | 1,76E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 | 9,99E-01 | 1,96E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 9,99E-01 | 2,12E-02 |
| 45 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,15E-01 | 9,99E-01 | 2,20E-02 |
| 50 | 1,39E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 9,99E-01 | 2,26E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 9,99E-01 | 2,38E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 9,99E-01 | 2,47E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,99E-01 | 2,56E-02 |
| 90 | 1,48E-01 | 3,50E-01 | 6,36E-01 | 6,17E-01 | 9,99E-01 | 2,63E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 9,99E-01 | 2,69E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 9,99E-01 | 2,80E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 9,99E-01 | 3,03E-02 |
| 200 | 1,69E-01 | 3,65E-01 | 6,44E-01 | 6,20E-01 | 9,99E-01 | 3,09E-02 |
| 300 | 1,83E-01 | 3,75E-01 | 6,49E-01 | 6,22E-01 | 9,99E-01 | 3,36E-02 |
| 360 | 1,89E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,99E-01 | 3,50E-02 |
| 365 | 1,90E-01 | 3,80E-01 | 6,51E-01 | 6,23E-01 | 9,99E-01 | 3,51E-02 |
| 400 | 1,93E-01 | 3,82E-01 | 6,52E-01 | 6,24E-01 | 9,99E-01 | 3,59E-02 |
| 500 | 2,00E-01 | 3,87E-01 | 6,55E-01 | 6,25E-01 | 9,99E-01 | 3,81E-02 |
| 600 | 2,05E-01 | 3,91E-01 | 6,57E-01 | 6,26E-01 | 9,99E-01 | 4,01E-02 |
| 700 | 2,09E-01 | 3,94E-01 | 6,58E-01 | 6,26E-01 | 9,99E-01 | 4,19E-02 |
| 800 | 2,12E-01 | 3,96E-01 | 6,59E-01 | 6,27E-01 | 9,99E-01 | 4,37E-02 |
| 900 | 2,14E-01 | 3,97E-01 | 6,60E-01 | 6,27E-01 | 9,99E-01 | 4,53E-02 |
| 1000 | 2,15E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 9,99E-01 | 4,68E-02 |
| 2000 | 2,19E-01 | 4,01E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 5,81E-02 |
| 3000 | 2,20E-01 | 4,01E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 6,48E-02 |
| 4000 | 2,20E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 6,92E-02 |
| 5000 | 2,20E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 7,23E-02 |
| 6000 | 2,20E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 7,45E-02 |
| 8000 | 2,20E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 7,74E-02 |
| 10000 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 7,92E-02 |
| 13500 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,99E-01 | 8,10E-02 |
| 14600 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,98E-01 | 8,13E-02 |
| 18250 | 2,21E-01 | 4,02E-01 | 6,62E-01 | 6,28E-01 | 9,98E-01 | 8,13E-02 |
| Eff. Dosis | 2,7E-05 | 2,0E-05 | 1,2E-05 | 6,7E-06 | 3,9E-08 | 7,9E-05 |
| Gebärmutter | 3,82E-07 | 2,8E-07 | 1,4E-07 | 6,5E-08 | 7,7E-09 | 1,5E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-244 | | | | |
|-------------|----------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Oxid, Nitrat, Chlorid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,54E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,48E-02 | 2,35E-01 | 4,52E-01 | 4,44E-01 |
| 3,5 | 8,76E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 |
| 4 | 9,60E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 |
| 5 | 1,05E-01 | 3,17E-01 | 6,07E-01 | 5,95E-01 |
| 6 | 1,09E-01 | 3,23E-01 | 6,18E-01 | 6,05E-01 |
| 7 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 8 | 1,12E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 9 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 10 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 11 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 12 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,09E-01 |
| 13 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 |
| 14 | 1,17E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 15 | 1,17E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 20 | 1,19E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 30 | 1,20E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 40 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,11E-01 |
| 45 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,11E-01 |
| 50 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 60 | 1,24E-01 | 3,34E-01 | 6,26E-01 | 6,11E-01 |
| 70 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 80 | 1,25E-01 | 3,35E-01 | 6,27E-01 | 6,11E-01 |
| 90 | 1,26E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 100 | 1,27E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 120 | 1,28E-01 | 3,37E-01 | 6,27E-01 | 6,11E-01 |
| 180 | 1,30E-01 | 3,38E-01 | 6,28E-01 | 6,12E-01 |
| 200 | 1,30E-01 | 3,38E-01 | 6,28E-01 | 6,12E-01 |
| 300 | 1,31E-01 | 3,39E-01 | 6,29E-01 | 6,12E-01 |
| 360 | 1,31E-01 | 3,39E-01 | 6,29E-01 | 6,12E-01 |
| 365 | 1,31E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 400 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 500 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 600 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 700 | 1,33E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 800 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 900 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 1000 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 |
| 2000 | 1,35E-01 | 3,42E-01 | 6,30E-01 | 6,13E-01 |
| 3000 | 1,36E-01 | 3,43E-01 | 6,30E-01 | 6,13E-01 |
| 4000 | 1,37E-01 | 3,43E-01 | 6,31E-01 | 6,13E-01 |
| 5000 | 1,37E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 6000 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 8000 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 10000 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 13500 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 14600 | 1,39E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 18250 | 1,39E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| Eff. Dosis | 1,5E-05 | 1,1E-05 | 6,1E-06 | 3,2E-06 |
| Gebärmutter | 2,2E-06 | 1,6E-06 | 8,3E-07 | 4,0E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-246 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,44E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,68E-02 | 2,72E-01 | 5,22E-01 | 5,13E-01 | 8,81E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,49E-02 | 2,95E-01 | 5,66E-01 | 5,55E-01 | 9,68E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,06E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,08E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,39E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,18E-01 |
| 2000 | 1,16E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,58E-01 | 6,40E-01 | 6,18E-01 |
| 3000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,19E-01 | 3,31E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,41E-01 | 6,18E-01 |
| 6000 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,09E-01 | 1,62E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 8000 | 1,21E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 10000 | 1,22E-01 | 3,34E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 13500 | 1,23E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 14600 | 1,23E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| 18250 | 1,23E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| Eff. Dosis | 2,8E-05 | 1,9E-05 | 1,2E-05 | 6,3E-06 | 2,0E-05 | 1,4E-05 | 8,1E-06 | 4,1E-06 |
| Gebärmutter | 5,8E-06 | 4,1E-06 | 2,2E-06 | 1,1E-06 | 4,2E-06 | 3,0E-06 | 1,6E-06 | 7,2E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-246 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 9,83E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 5,95E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 1,02E-02 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 1,15E-02 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 1,24E-02 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 1,34E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 9,98E-01 | 1,39E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,43E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,46E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 1,49E-02 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 1,52E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,00E+00 | 1,55E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,57E-02 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,60E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,62E-02 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 1,65E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 1,76E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,00E+00 | 1,96E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 2,13E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 2,20E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 2,26E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 2,38E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 2,48E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 2,56E-02 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 2,63E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 2,70E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 2,81E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 3,04E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 3,10E-02 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,23E-01 | 1,00E+00 | 3,38E-02 |
| 360 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 3,52E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 3,54E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,00E+00 | 3,62E-02 |
| 500 | 2,02E-01 | 3,89E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 3,84E-02 |
| 600 | 2,07E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 4,06E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 4,26E-02 |
| 800 | 2,14E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 4,44E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 4,62E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 4,79E-02 |
| 2000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 6,10E-02 |
| 3000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 6,97E-02 |
| 4000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 7,60E-02 |
| 5000 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 8,10E-02 |
| 6000 | 2,24E-01 | 4,05E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 8,49E-02 |
| 8000 | 2,24E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 9,10E-02 |
| 10000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 9,55E-02 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,02E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,03E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,03E-01 |
| Eff. Dosis | 4,0E-05 | 2,9E-05 | 1,7E-05 | 9,0E-06 | 6,0E-08 | 1,2E-04 |
| Gebärmutter | 1,05E-06 | 7,5E-07 | 3,9E-07 | 1,8E-07 | 1,7E-08 | 3,4E-05 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-246 | | | | |
|-------------|----------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Oxid, Nitrat, Chlorid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,54E-02 | 1,13E-01 | 2,19E-01 | 2,14E-01 |
| 3 | 7,49E-02 | 2,35E-01 | 4,52E-01 | 4,44E-01 |
| 3,5 | 8,76E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 |
| 4 | 9,61E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 |
| 5 | 1,05E-01 | 3,17E-01 | 6,07E-01 | 5,95E-01 |
| 6 | 1,09E-01 | 3,24E-01 | 6,18E-01 | 6,05E-01 |
| 7 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 8 | 1,12E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 9 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 10 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 11 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,10E-01 |
| 12 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 |
| 13 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 14 | 1,17E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 15 | 1,17E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 20 | 1,19E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 30 | 1,20E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 40 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,11E-01 |
| 45 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 50 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 60 | 1,24E-01 | 3,34E-01 | 6,26E-01 | 6,11E-01 |
| 70 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 80 | 1,25E-01 | 3,35E-01 | 6,27E-01 | 6,11E-01 |
| 90 | 1,26E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 100 | 1,27E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 120 | 1,28E-01 | 3,37E-01 | 6,28E-01 | 6,12E-01 |
| 180 | 1,30E-01 | 3,38E-01 | 6,28E-01 | 6,12E-01 |
| 200 | 1,30E-01 | 3,39E-01 | 6,28E-01 | 6,12E-01 |
| 300 | 1,31E-01 | 3,39E-01 | 6,29E-01 | 6,12E-01 |
| 360 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 365 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 400 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 500 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 600 | 1,33E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 700 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,13E-01 |
| 800 | 1,33E-01 | 3,41E-01 | 6,30E-01 | 6,13E-01 |
| 900 | 1,33E-01 | 3,41E-01 | 6,30E-01 | 6,13E-01 |
| 1000 | 1,34E-01 | 3,41E-01 | 6,30E-01 | 6,13E-01 |
| 2000 | 1,36E-01 | 3,43E-01 | 6,30E-01 | 6,13E-01 |
| 3000 | 1,37E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 4000 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 5000 | 1,39E-01 | 3,45E-01 | 6,32E-01 | 6,14E-01 |
| 6000 | 1,39E-01 | 3,45E-01 | 6,32E-01 | 6,14E-01 |
| 8000 | 1,40E-01 | 3,46E-01 | 6,32E-01 | 6,14E-01 |
| 10000 | 1,41E-01 | 3,46E-01 | 6,32E-01 | 6,14E-01 |
| 13500 | 1,42E-01 | 3,47E-01 | 6,33E-01 | 6,14E-01 |
| 14600 | 1,42E-01 | 3,47E-01 | 6,33E-01 | 6,14E-01 |
| 18250 | 1,42E-01 | 3,47E-01 | 6,33E-01 | 6,14E-01 |
| Eff. Dosis | 2,4E-05 | 1,7E-05 | 9,6E-06 | 5,0E-06 |
| Gebärmutter | 5,0E-06 | 3,6E-06 | 1,9E-06 | 8,8E-07 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-248 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,40E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,53E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 |
| 3 | 7,43E-02 | 2,34E-01 | 4,51E-01 | 4,43E-01 | 7,51E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 |
| 3,5 | 8,68E-02 | 2,72E-01 | 5,22E-01 | 5,13E-01 | 8,81E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 |
| 4 | 9,49E-02 | 2,95E-01 | 5,66E-01 | 5,55E-01 | 9,68E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 |
| 5 | 1,03E-01 | 3,15E-01 | 6,05E-01 | 5,93E-01 | 1,06E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 |
| 6 | 1,06E-01 | 3,21E-01 | 6,15E-01 | 6,03E-01 | 1,11E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 |
| 7 | 1,07E-01 | 3,23E-01 | 6,18E-01 | 6,06E-01 | 1,14E-01 | 3,27E-01 | 6,23E-01 | 6,10E-01 |
| 8 | 1,08E-01 | 3,23E-01 | 6,19E-01 | 6,06E-01 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 9 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,17E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 |
| 10 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,19E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 |
| 11 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,11E-01 |
| 12 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 13 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,26E-01 | 6,12E-01 |
| 14 | 1,08E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 |
| 15 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 |
| 20 | 1,09E-01 | 3,24E-01 | 6,19E-01 | 6,07E-01 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 |
| 30 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,28E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 |
| 40 | 1,09E-01 | 3,25E-01 | 6,19E-01 | 6,07E-01 | 1,30E-01 | 3,38E-01 | 6,29E-01 | 6,13E-01 |
| 45 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,31E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 50 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,34E-01 | 3,40E-01 | 6,31E-01 | 6,14E-01 |
| 70 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,35E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 |
| 80 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,37E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 |
| 90 | 1,10E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 1,38E-01 | 3,44E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,10E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,39E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 |
| 120 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,33E-01 | 6,15E-01 |
| 180 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,47E-01 | 3,50E-01 | 6,35E-01 | 6,16E-01 |
| 200 | 1,11E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,48E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 |
| 300 | 1,12E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 | 1,52E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 |
| 360 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 365 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,53E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 400 | 1,12E-01 | 3,27E-01 | 6,20E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,38E-01 | 6,17E-01 |
| 500 | 1,12E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 600 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,17E-01 |
| 700 | 1,13E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 1,56E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 800 | 1,13E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 900 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,17E-01 |
| 1000 | 1,14E-01 | 3,28E-01 | 6,21E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,39E-01 | 6,18E-01 |
| 2000 | 1,16E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 | 1,59E-01 | 3,58E-01 | 6,40E-01 | 6,18E-01 |
| 3000 | 1,18E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 | 1,60E-01 | 3,59E-01 | 6,40E-01 | 6,18E-01 |
| 4000 | 1,19E-01 | 3,31E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,40E-01 | 6,18E-01 |
| 5000 | 1,20E-01 | 3,32E-01 | 6,23E-01 | 6,09E-01 | 1,61E-01 | 3,60E-01 | 6,41E-01 | 6,18E-01 |
| 6000 | 1,20E-01 | 3,32E-01 | 6,24E-01 | 6,09E-01 | 1,62E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 8000 | 1,21E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 |
| 10000 | 1,22E-01 | 3,34E-01 | 6,24E-01 | 6,09E-01 | 1,63E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 13500 | 1,23E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,41E-01 | 6,19E-01 |
| 14600 | 1,23E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| 18250 | 1,23E-01 | 3,35E-01 | 6,25E-01 | 6,09E-01 | 1,64E-01 | 3,62E-01 | 6,42E-01 | 6,19E-01 |
| Eff. Dosis | 1,1E-04 | 7,6E-05 | 4,7E-05 | 2,6E-05 | 7,3E-05 | 5,1E-05 | 2,8E-05 | 1,4E-05 |
| Gebärmutter | 2,3E-05 | 1,7E-05 | 8,9E-06 | 4,4E-06 | 1,7E-05 | 1,2E-05 | 6,3E-06 | 2,9E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-248 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 9,83E-04 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,65E-01 | 5,95E-03 |
| 3 | 7,53E-02 | 2,36E-01 | 4,54E-01 | 4,45E-01 | 8,20E-01 | 1,02E-02 |
| 3,5 | 8,84E-02 | 2,74E-01 | 5,26E-01 | 5,15E-01 | 9,07E-01 | 1,15E-02 |
| 4 | 9,73E-02 | 2,97E-01 | 5,70E-01 | 5,59E-01 | 9,54E-01 | 1,24E-02 |
| 5 | 1,07E-01 | 3,19E-01 | 6,09E-01 | 5,97E-01 | 9,90E-01 | 1,34E-02 |
| 6 | 1,12E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 | 9,98E-01 | 1,39E-02 |
| 7 | 1,15E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 | 9,99E-01 | 1,43E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,25E-01 | 6,11E-01 | 9,99E-01 | 1,46E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,26E-01 | 6,12E-01 | 1,00E+00 | 1,49E-02 |
| 10 | 1,22E-01 | 3,32E-01 | 6,27E-01 | 6,12E-01 | 1,00E+00 | 1,52E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,27E-01 | 6,13E-01 | 1,00E+00 | 1,55E-02 |
| 12 | 1,24E-01 | 3,34E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,57E-02 |
| 13 | 1,25E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,60E-02 |
| 14 | 1,26E-01 | 3,35E-01 | 6,28E-01 | 6,13E-01 | 1,00E+00 | 1,62E-02 |
| 15 | 1,27E-01 | 3,36E-01 | 6,29E-01 | 6,13E-01 | 1,00E+00 | 1,65E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,30E-01 | 6,14E-01 | 1,00E+00 | 1,76E-02 |
| 30 | 1,33E-01 | 3,40E-01 | 6,31E-01 | 6,15E-01 | 1,00E+00 | 1,96E-02 |
| 40 | 1,36E-01 | 3,42E-01 | 6,32E-01 | 6,15E-01 | 1,00E+00 | 2,13E-02 |
| 45 | 1,38E-01 | 3,43E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 2,20E-02 |
| 50 | 1,39E-01 | 3,44E-01 | 6,33E-01 | 6,15E-01 | 1,00E+00 | 2,26E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,34E-01 | 6,16E-01 | 1,00E+00 | 2,38E-02 |
| 70 | 1,44E-01 | 3,47E-01 | 6,35E-01 | 6,16E-01 | 1,00E+00 | 2,48E-02 |
| 80 | 1,46E-01 | 3,49E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 2,56E-02 |
| 90 | 1,49E-01 | 3,51E-01 | 6,36E-01 | 6,17E-01 | 1,00E+00 | 2,63E-02 |
| 100 | 1,51E-01 | 3,52E-01 | 6,37E-01 | 6,17E-01 | 1,00E+00 | 2,70E-02 |
| 120 | 1,55E-01 | 3,55E-01 | 6,39E-01 | 6,18E-01 | 1,00E+00 | 2,81E-02 |
| 180 | 1,66E-01 | 3,63E-01 | 6,43E-01 | 6,20E-01 | 1,00E+00 | 3,04E-02 |
| 200 | 1,70E-01 | 3,66E-01 | 6,44E-01 | 6,20E-01 | 1,00E+00 | 3,10E-02 |
| 300 | 1,84E-01 | 3,76E-01 | 6,49E-01 | 6,23E-01 | 1,00E+00 | 3,38E-02 |
| 360 | 1,90E-01 | 3,81E-01 | 6,51E-01 | 6,24E-01 | 1,00E+00 | 3,52E-02 |
| 365 | 1,91E-01 | 3,81E-01 | 6,52E-01 | 6,24E-01 | 1,00E+00 | 3,54E-02 |
| 400 | 1,94E-01 | 3,83E-01 | 6,53E-01 | 6,24E-01 | 1,00E+00 | 3,62E-02 |
| 500 | 2,02E-01 | 3,89E-01 | 6,55E-01 | 6,25E-01 | 1,00E+00 | 3,84E-02 |
| 600 | 2,07E-01 | 3,93E-01 | 6,57E-01 | 6,26E-01 | 1,00E+00 | 4,06E-02 |
| 700 | 2,11E-01 | 3,95E-01 | 6,59E-01 | 6,27E-01 | 1,00E+00 | 4,26E-02 |
| 800 | 2,14E-01 | 3,98E-01 | 6,60E-01 | 6,27E-01 | 1,00E+00 | 4,44E-02 |
| 900 | 2,16E-01 | 3,99E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 4,62E-02 |
| 1000 | 2,18E-01 | 4,00E-01 | 6,61E-01 | 6,28E-01 | 1,00E+00 | 4,79E-02 |
| 2000 | 2,22E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 6,10E-02 |
| 3000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 6,97E-02 |
| 4000 | 2,23E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 7,61E-02 |
| 5000 | 2,24E-01 | 4,04E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 8,10E-02 |
| 6000 | 2,24E-01 | 4,05E-01 | 6,63E-01 | 6,29E-01 | 1,00E+00 | 8,50E-02 |
| 8000 | 2,24E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 9,10E-02 |
| 10000 | 2,25E-01 | 4,05E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 9,56E-02 |
| 13500 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,02E-01 |
| 14600 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,03E-01 |
| 18250 | 2,26E-01 | 4,06E-01 | 6,64E-01 | 6,29E-01 | 1,00E+00 | 1,03E-01 |
| Eff. Dosis | 1,3E-04 | 9,6E-05 | 5,1E-05 | 2,5E-05 | 2,3E-07 | 4,5E-04 |
| Gebärmutter | 4,24E-06 | 3,1E-06 | 1,6E-06 | 7,3E-07 | 9,0E-08 | 1,4E-04 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cm-248 | | | | |
|-------------|----------------------------------|----------|----------|----------|
| Zeit (d) | Inhalation Oxid, Nitrat, Chlorid | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,54E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,48E-02 | 2,35E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,76E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 |
| 4 | 9,61E-02 | 2,96E-01 | 5,68E-01 | 5,57E-01 |
| 5 | 1,05E-01 | 3,17E-01 | 6,07E-01 | 5,95E-01 |
| 6 | 1,09E-01 | 3,24E-01 | 6,18E-01 | 6,05E-01 |
| 7 | 1,11E-01 | 3,26E-01 | 6,21E-01 | 6,08E-01 |
| 8 | 1,12E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 9 | 1,14E-01 | 3,27E-01 | 6,22E-01 | 6,09E-01 |
| 10 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 |
| 11 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,10E-01 |
| 12 | 1,16E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 |
| 13 | 1,16E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 14 | 1,17E-01 | 3,29E-01 | 6,24E-01 | 6,10E-01 |
| 15 | 1,17E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 20 | 1,19E-01 | 3,31E-01 | 6,24E-01 | 6,10E-01 |
| 30 | 1,20E-01 | 3,32E-01 | 6,25E-01 | 6,10E-01 |
| 40 | 1,22E-01 | 3,33E-01 | 6,25E-01 | 6,11E-01 |
| 45 | 1,22E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 50 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 60 | 1,24E-01 | 3,34E-01 | 6,26E-01 | 6,11E-01 |
| 70 | 1,25E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 |
| 80 | 1,25E-01 | 3,35E-01 | 6,27E-01 | 6,11E-01 |
| 90 | 1,26E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 100 | 1,27E-01 | 3,36E-01 | 6,27E-01 | 6,11E-01 |
| 120 | 1,28E-01 | 3,37E-01 | 6,28E-01 | 6,12E-01 |
| 180 | 1,30E-01 | 3,38E-01 | 6,28E-01 | 6,12E-01 |
| 200 | 1,30E-01 | 3,39E-01 | 6,28E-01 | 6,12E-01 |
| 300 | 1,31E-01 | 3,39E-01 | 6,29E-01 | 6,12E-01 |
| 360 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 365 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 400 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 500 | 1,32E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 600 | 1,33E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 |
| 700 | 1,33E-01 | 3,41E-01 | 6,29E-01 | 6,13E-01 |
| 800 | 1,33E-01 | 3,41E-01 | 6,30E-01 | 6,13E-01 |
| 900 | 1,33E-01 | 3,41E-01 | 6,30E-01 | 6,13E-01 |
| 1000 | 1,34E-01 | 3,41E-01 | 6,30E-01 | 6,13E-01 |
| 2000 | 1,36E-01 | 3,43E-01 | 6,30E-01 | 6,13E-01 |
| 3000 | 1,37E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 4000 | 1,38E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 |
| 5000 | 1,39E-01 | 3,45E-01 | 6,32E-01 | 6,14E-01 |
| 6000 | 1,39E-01 | 3,45E-01 | 6,32E-01 | 6,14E-01 |
| 8000 | 1,40E-01 | 3,46E-01 | 6,32E-01 | 6,14E-01 |
| 10000 | 1,41E-01 | 3,46E-01 | 6,32E-01 | 6,14E-01 |
| 13500 | 1,42E-01 | 3,47E-01 | 6,33E-01 | 6,14E-01 |
| 14600 | 1,42E-01 | 3,47E-01 | 6,33E-01 | 6,14E-01 |
| 18250 | 1,42E-01 | 3,47E-01 | 6,33E-01 | 6,14E-01 |
| Eff. Dosis | 9,1E-05 | 6,3E-05 | 3,7E-05 | 1,9E-05 |
| Gebärmutter | 2,0E-05 | 1,4E-05 | 7,5E-06 | 3,6E-06 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Bk-249 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,39E-03 | 1,10E-02 | 2,13E-02 | 2,09E-02 | 3,40E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,53E-02 | 1,13E-01 | 2,17E-01 | 2,13E-01 | 3,54E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 |
| 3 | 7,47E-02 | 2,34E-01 | 4,50E-01 | 4,41E-01 | 7,50E-02 | 2,35E-01 | 4,51E-01 | 4,43E-01 |
| 3,5 | 8,75E-02 | 2,71E-01 | 5,20E-01 | 5,10E-01 | 8,79E-02 | 2,72E-01 | 5,23E-01 | 5,13E-01 |
| 4 | 9,61E-02 | 2,94E-01 | 5,64E-01 | 5,53E-01 | 9,67E-02 | 2,96E-01 | 5,67E-01 | 5,55E-01 |
| 5 | 1,05E-01 | 3,16E-01 | 6,03E-01 | 5,91E-01 | 1,06E-01 | 3,17E-01 | 6,05E-01 | 5,93E-01 |
| 6 | 1,09E-01 | 3,22E-01 | 6,14E-01 | 6,01E-01 | 1,11E-01 | 3,24E-01 | 6,17E-01 | 6,04E-01 |
| 7 | 1,11E-01 | 3,25E-01 | 6,17E-01 | 6,04E-01 | 1,14E-01 | 3,26E-01 | 6,20E-01 | 6,07E-01 |
| 8 | 1,13E-01 | 3,26E-01 | 6,18E-01 | 6,04E-01 | 1,16E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 |
| 9 | 1,13E-01 | 3,26E-01 | 6,18E-01 | 6,05E-01 | 1,18E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 |
| 10 | 1,14E-01 | 3,27E-01 | 6,18E-01 | 6,05E-01 | 1,19E-01 | 3,30E-01 | 6,22E-01 | 6,08E-01 |
| 11 | 1,15E-01 | 3,27E-01 | 6,18E-01 | 6,05E-01 | 1,21E-01 | 3,31E-01 | 6,23E-01 | 6,08E-01 |
| 12 | 1,15E-01 | 3,27E-01 | 6,19E-01 | 6,05E-01 | 1,22E-01 | 3,31E-01 | 6,23E-01 | 6,09E-01 |
| 13 | 1,15E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,23E-01 | 3,32E-01 | 6,24E-01 | 6,09E-01 |
| 14 | 1,15E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,23E-01 | 3,32E-01 | 6,24E-01 | 6,09E-01 |
| 15 | 1,15E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,24E-01 | 3,33E-01 | 6,24E-01 | 6,09E-01 |
| 20 | 1,16E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,26E-01 | 3,34E-01 | 6,25E-01 | 6,09E-01 |
| 30 | 1,16E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,29E-01 | 3,36E-01 | 6,26E-01 | 6,10E-01 |
| 40 | 1,16E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,31E-01 | 3,37E-01 | 6,27E-01 | 6,10E-01 |
| 45 | 1,16E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,32E-01 | 3,38E-01 | 6,27E-01 | 6,10E-01 |
| 50 | 1,16E-01 | 3,28E-01 | 6,19E-01 | 6,05E-01 | 1,33E-01 | 3,39E-01 | 6,27E-01 | 6,11E-01 |
| 60 | 1,17E-01 | 3,29E-01 | 6,19E-01 | 6,05E-01 | 1,35E-01 | 3,40E-01 | 6,28E-01 | 6,11E-01 |
| 70 | 1,17E-01 | 3,29E-01 | 6,19E-01 | 6,05E-01 | 1,36E-01 | 3,41E-01 | 6,28E-01 | 6,11E-01 |
| 80 | 1,17E-01 | 3,29E-01 | 6,19E-01 | 6,05E-01 | 1,38E-01 | 3,42E-01 | 6,29E-01 | 6,11E-01 |
| 90 | 1,17E-01 | 3,29E-01 | 6,19E-01 | 6,05E-01 | 1,39E-01 | 3,43E-01 | 6,29E-01 | 6,12E-01 |
| 100 | 1,17E-01 | 3,29E-01 | 6,19E-01 | 6,05E-01 | 1,40E-01 | 3,44E-01 | 6,30E-01 | 6,12E-01 |
| 120 | 1,17E-01 | 3,29E-01 | 6,19E-01 | 6,05E-01 | 1,42E-01 | 3,45E-01 | 6,31E-01 | 6,12E-01 |
| 180 | 1,18E-01 | 3,29E-01 | 6,20E-01 | 6,05E-01 | 1,46E-01 | 3,48E-01 | 6,32E-01 | 6,13E-01 |
| 200 | 1,18E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,47E-01 | 3,49E-01 | 6,32E-01 | 6,13E-01 |
| 300 | 1,19E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,50E-01 | 3,51E-01 | 6,33E-01 | 6,13E-01 |
| 360 | 1,19E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,51E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 365 | 1,19E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,51E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 400 | 1,19E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 500 | 1,19E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 600 | 1,19E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,52E-01 | 3,52E-01 | 6,34E-01 | 6,13E-01 |
| 700 | 1,20E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 800 | 1,20E-01 | 3,30E-01 | 6,20E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 900 | 1,20E-01 | 3,31E-01 | 6,20E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 1000 | 1,20E-01 | 3,31E-01 | 6,20E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 2000 | 1,20E-01 | 3,31E-01 | 6,20E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 3000 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 4000 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 5000 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 6000 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 8000 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 10000 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 13500 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 14600 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| 18250 | 1,20E-01 | 3,31E-01 | 6,19E-01 | 6,05E-01 | 1,53E-01 | 3,53E-01 | 6,34E-01 | 6,13E-01 |
| Eff. Dosis | 5,9E-08 | 4,0E-08 | 2,5E-08 | 1,4E-08 | 3,8E-08 | 2,7E-08 | 1,5E-08 | 7,5E-09 |
| Gebärmutter | 7,2E-09 | 5,1E-09 | 2,7E-09 | 1,3E-09 | 5,9E-09 | 4,2E-09 | 2,2E-09 | 1,0E-09 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Bk-249 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,87E-02 | 8,80E-04 |
| 2 | 3,54E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 4,63E-01 | 9,96E-03 |
| 3 | 7,50E-02 | 2,35E-01 | 4,52E-01 | 4,43E-01 | 8,17E-01 | 2,51E-02 |
| 3,5 | 8,80E-02 | 2,72E-01 | 5,23E-01 | 5,13E-01 | 9,03E-01 | 3,20E-02 |
| 4 | 9,68E-02 | 2,96E-01 | 5,67E-01 | 5,56E-01 | 9,50E-01 | 3,79E-02 |
| 5 | 1,07E-01 | 3,17E-01 | 6,06E-01 | 5,94E-01 | 9,85E-01 | 4,65E-02 |
| 6 | 1,11E-01 | 3,24E-01 | 6,17E-01 | 6,04E-01 | 9,93E-01 | 5,19E-02 |
| 7 | 1,15E-01 | 3,27E-01 | 6,21E-01 | 6,07E-01 | 9,95E-01 | 5,52E-02 |
| 8 | 1,17E-01 | 3,29E-01 | 6,22E-01 | 6,08E-01 | 9,95E-01 | 5,73E-02 |
| 9 | 1,19E-01 | 3,30E-01 | 6,23E-01 | 6,09E-01 | 9,95E-01 | 5,87E-02 |
| 10 | 1,21E-01 | 3,31E-01 | 6,23E-01 | 6,09E-01 | 9,95E-01 | 5,96E-02 |
| 11 | 1,22E-01 | 3,31E-01 | 6,24E-01 | 6,09E-01 | 9,95E-01 | 6,03E-02 |
| 12 | 1,23E-01 | 3,32E-01 | 6,24E-01 | 6,10E-01 | 9,95E-01 | 6,07E-02 |
| 13 | 1,24E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 | 9,95E-01 | 6,11E-02 |
| 14 | 1,25E-01 | 3,33E-01 | 6,25E-01 | 6,10E-01 | 9,95E-01 | 6,13E-02 |
| 15 | 1,26E-01 | 3,34E-01 | 6,25E-01 | 6,10E-01 | 9,95E-01 | 6,16E-02 |
| 20 | 1,29E-01 | 3,35E-01 | 6,26E-01 | 6,11E-01 | 9,95E-01 | 6,25E-02 |
| 30 | 1,32E-01 | 3,38E-01 | 6,28E-01 | 6,11E-01 | 9,95E-01 | 6,41E-02 |
| 40 | 1,35E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 | 9,95E-01 | 6,54E-02 |
| 45 | 1,36E-01 | 3,40E-01 | 6,29E-01 | 6,12E-01 | 9,95E-01 | 6,60E-02 |
| 50 | 1,37E-01 | 3,41E-01 | 6,29E-01 | 6,12E-01 | 9,95E-01 | 6,66E-02 |
| 60 | 1,40E-01 | 3,43E-01 | 6,30E-01 | 6,12E-01 | 9,95E-01 | 6,76E-02 |
| 70 | 1,42E-01 | 3,44E-01 | 6,31E-01 | 6,13E-01 | 9,95E-01 | 6,85E-02 |
| 80 | 1,44E-01 | 3,46E-01 | 6,32E-01 | 6,13E-01 | 9,95E-01 | 6,94E-02 |
| 90 | 1,46E-01 | 3,47E-01 | 6,32E-01 | 6,13E-01 | 9,95E-01 | 7,01E-02 |
| 100 | 1,48E-01 | 3,49E-01 | 6,33E-01 | 6,14E-01 | 9,95E-01 | 7,08E-02 |
| 120 | 1,51E-01 | 3,51E-01 | 6,34E-01 | 6,14E-01 | 9,95E-01 | 7,20E-02 |
| 180 | 1,59E-01 | 3,57E-01 | 6,37E-01 | 6,15E-01 | 9,95E-01 | 7,49E-02 |
| 200 | 1,62E-01 | 3,59E-01 | 6,38E-01 | 6,16E-01 | 9,95E-01 | 7,57E-02 |
| 300 | 1,70E-01 | 3,65E-01 | 6,41E-01 | 6,17E-01 | 9,95E-01 | 7,89E-02 |
| 360 | 1,73E-01 | 3,67E-01 | 6,42E-01 | 6,17E-01 | 9,95E-01 | 8,03E-02 |
| 365 | 1,73E-01 | 3,67E-01 | 6,42E-01 | 6,17E-01 | 9,95E-01 | 8,04E-02 |
| 400 | 1,75E-01 | 3,68E-01 | 6,43E-01 | 6,18E-01 | 9,94E-01 | 8,11E-02 |
| 500 | 1,78E-01 | 3,70E-01 | 6,43E-01 | 6,18E-01 | 9,94E-01 | 8,27E-02 |
| 600 | 1,80E-01 | 3,71E-01 | 6,44E-01 | 6,18E-01 | 9,94E-01 | 8,39E-02 |
| 700 | 1,81E-01 | 3,72E-01 | 6,44E-01 | 6,18E-01 | 9,94E-01 | 8,48E-02 |
| 800 | 1,81E-01 | 3,72E-01 | 6,44E-01 | 6,18E-01 | 9,94E-01 | 8,55E-02 |
| 900 | 1,82E-01 | 3,73E-01 | 6,45E-01 | 6,18E-01 | 9,94E-01 | 8,60E-02 |
| 1000 | 1,82E-01 | 3,73E-01 | 6,45E-01 | 6,18E-01 | 9,94E-01 | 8,63E-02 |
| 2000 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,75E-02 |
| 3000 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| 4000 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| 5000 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| 6000 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| 8000 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| 10000 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| 13500 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| 14600 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| 18250 | 1,82E-01 | 3,73E-01 | 6,44E-01 | 6,18E-01 | 9,93E-01 | 8,76E-02 |
| Eff. Dosis | 9,1E-08 | 6,7E-08 | 3,8E-08 | 2,0E-08 | 1,2E-10 | 2,4E-07 |
| Gebärmutter | 2,03E-09 | 1,5E-09 | 7,5E-10 | 3,4E-10 | 2,1E-11 | 4,2E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cf-252 | | | | | | | | |
|-------------|------------------|----------|----------|----------|------------------|----------|----------|----------|
| Zeit (d) | Inhalation Typ F | | | | Inhalation Typ M | | | |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | 0,3 µm | 1,0 µm | 5 µm | 10 µm |
| 1 | 3,45E-03 | 1,11E-02 | 2,13E-02 | 2,09E-02 | 3,42E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 |
| 2 | 3,60E-02 | 1,13E-01 | 2,18E-01 | 2,14E-01 | 3,56E-02 | 1,14E-01 | 2,19E-01 | 2,14E-01 |
| 3 | 7,64E-02 | 2,36E-01 | 4,52E-01 | 4,43E-01 | 7,55E-02 | 2,36E-01 | 4,53E-01 | 4,44E-01 |
| 3,5 | 8,97E-02 | 2,73E-01 | 5,23E-01 | 5,12E-01 | 8,86E-02 | 2,73E-01 | 5,24E-01 | 5,14E-01 |
| 4 | 9,85E-02 | 2,97E-01 | 5,67E-01 | 5,55E-01 | 9,74E-02 | 2,97E-01 | 5,69E-01 | 5,57E-01 |
| 5 | 1,08E-01 | 3,18E-01 | 6,06E-01 | 5,93E-01 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,95E-01 |
| 6 | 1,11E-01 | 3,25E-01 | 6,16E-01 | 6,03E-01 | 1,12E-01 | 3,25E-01 | 6,19E-01 | 6,06E-01 |
| 7 | 1,13E-01 | 3,27E-01 | 6,19E-01 | 6,06E-01 | 1,15E-01 | 3,28E-01 | 6,22E-01 | 6,09E-01 |
| 8 | 1,14E-01 | 3,28E-01 | 6,20E-01 | 6,07E-01 | 1,17E-01 | 3,29E-01 | 6,23E-01 | 6,10E-01 |
| 9 | 1,15E-01 | 3,28E-01 | 6,21E-01 | 6,07E-01 | 1,19E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 |
| 10 | 1,15E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,10E-01 |
| 11 | 1,16E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,21E-01 | 3,32E-01 | 6,25E-01 | 6,11E-01 |
| 12 | 1,16E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,22E-01 | 3,32E-01 | 6,25E-01 | 6,11E-01 |
| 13 | 1,16E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 14 | 1,16E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,24E-01 | 3,33E-01 | 6,26E-01 | 6,11E-01 |
| 15 | 1,16E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,25E-01 | 3,34E-01 | 6,26E-01 | 6,11E-01 |
| 20 | 1,16E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,27E-01 | 3,35E-01 | 6,27E-01 | 6,12E-01 |
| 30 | 1,16E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,30E-01 | 3,37E-01 | 6,28E-01 | 6,12E-01 |
| 40 | 1,17E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,32E-01 | 3,39E-01 | 6,29E-01 | 6,12E-01 |
| 45 | 1,17E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,33E-01 | 3,40E-01 | 6,29E-01 | 6,13E-01 |
| 50 | 1,17E-01 | 3,29E-01 | 6,21E-01 | 6,07E-01 | 1,34E-01 | 3,40E-01 | 6,30E-01 | 6,13E-01 |
| 60 | 1,17E-01 | 3,30E-01 | 6,21E-01 | 6,07E-01 | 1,36E-01 | 3,42E-01 | 6,30E-01 | 6,13E-01 |
| 70 | 1,17E-01 | 3,30E-01 | 6,21E-01 | 6,07E-01 | 1,38E-01 | 3,43E-01 | 6,31E-01 | 6,13E-01 |
| 80 | 1,17E-01 | 3,30E-01 | 6,21E-01 | 6,07E-01 | 1,39E-01 | 3,44E-01 | 6,31E-01 | 6,14E-01 |
| 90 | 1,17E-01 | 3,30E-01 | 6,21E-01 | 6,07E-01 | 1,40E-01 | 3,45E-01 | 6,32E-01 | 6,14E-01 |
| 100 | 1,17E-01 | 3,30E-01 | 6,21E-01 | 6,07E-01 | 1,42E-01 | 3,46E-01 | 6,32E-01 | 6,14E-01 |
| 120 | 1,17E-01 | 3,30E-01 | 6,21E-01 | 6,07E-01 | 1,44E-01 | 3,47E-01 | 6,33E-01 | 6,14E-01 |
| 180 | 1,18E-01 | 3,30E-01 | 6,22E-01 | 6,07E-01 | 1,49E-01 | 3,51E-01 | 6,35E-01 | 6,15E-01 |
| 200 | 1,18E-01 | 3,30E-01 | 6,22E-01 | 6,07E-01 | 1,50E-01 | 3,52E-01 | 6,35E-01 | 6,15E-01 |
| 300 | 1,18E-01 | 3,31E-01 | 6,22E-01 | 6,07E-01 | 1,54E-01 | 3,55E-01 | 6,37E-01 | 6,16E-01 |
| 360 | 1,19E-01 | 3,31E-01 | 6,22E-01 | 6,07E-01 | 1,55E-01 | 3,56E-01 | 6,37E-01 | 6,16E-01 |
| 365 | 1,19E-01 | 3,31E-01 | 6,22E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,37E-01 | 6,16E-01 |
| 400 | 1,19E-01 | 3,31E-01 | 6,22E-01 | 6,07E-01 | 1,56E-01 | 3,56E-01 | 6,38E-01 | 6,16E-01 |
| 500 | 1,19E-01 | 3,31E-01 | 6,22E-01 | 6,08E-01 | 1,57E-01 | 3,57E-01 | 6,38E-01 | 6,16E-01 |
| 600 | 1,20E-01 | 3,32E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,57E-01 | 6,38E-01 | 6,16E-01 |
| 700 | 1,20E-01 | 3,32E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,57E-01 | 6,38E-01 | 6,17E-01 |
| 800 | 1,20E-01 | 3,32E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,57E-01 | 6,38E-01 | 6,17E-01 |
| 900 | 1,20E-01 | 3,32E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,38E-01 | 6,17E-01 |
| 1000 | 1,20E-01 | 3,32E-01 | 6,22E-01 | 6,08E-01 | 1,58E-01 | 3,58E-01 | 6,38E-01 | 6,17E-01 |
| 2000 | 1,21E-01 | 3,33E-01 | 6,23E-01 | 6,08E-01 | 1,59E-01 | 3,58E-01 | 6,38E-01 | 6,17E-01 |
| 3000 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,59E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| 4000 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,59E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| 5000 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,60E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| 6000 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,60E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| 8000 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,60E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| 10000 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,60E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| 13500 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,60E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| 14600 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,60E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| 18250 | 1,22E-01 | 3,33E-01 | 6,22E-01 | 6,07E-01 | 1,60E-01 | 3,58E-01 | 6,38E-01 | 6,16E-01 |
| Eff. Dosis | 9,0E-06 | 6,2E-06 | 3,6E-06 | 1,9E-06 | 9,9E-06 | 7,0E-06 | 4,0E-06 | 2,1E-06 |
| Gebärmutter | 7,6E-07 | 5,4E-07 | 2,9E-07 | 1,5E-07 | 5,2E-07 | 3,7E-07 | 2,0E-07 | 9,5E-08 |

Anhang 7.2.5: Chronische Zufuhr, Stuhl-Ausscheidungsrate in (Bq d⁻¹)/(Bq d⁻¹)

| Cf-252 | | | | | | |
|-------------|------------------|----------|----------|----------|-----------|-----------|
| Zeit (d) | Inhalation Typ S | | | | Ingestion | Injektion |
| | 0,3 µm | 1,0 µm | 5 µm | 10 µm | | |
| 1 | 3,41E-03 | 1,11E-02 | 2,14E-02 | 2,10E-02 | 5,88E-02 | 4,10E-03 |
| 2 | 3,55E-02 | 1,14E-01 | 2,19E-01 | 2,15E-01 | 4,64E-01 | 2,62E-02 |
| 3 | 7,53E-02 | 2,36E-01 | 4,53E-01 | 4,45E-01 | 8,19E-01 | 4,54E-02 |
| 3,5 | 8,83E-02 | 2,73E-01 | 5,25E-01 | 5,15E-01 | 9,05E-01 | 5,10E-02 |
| 4 | 9,71E-02 | 2,97E-01 | 5,69E-01 | 5,58E-01 | 9,52E-01 | 5,45E-02 |
| 5 | 1,07E-01 | 3,18E-01 | 6,08E-01 | 5,96E-01 | 9,88E-01 | 5,82E-02 |
| 6 | 1,12E-01 | 3,25E-01 | 6,20E-01 | 6,07E-01 | 9,96E-01 | 5,96E-02 |
| 7 | 1,15E-01 | 3,28E-01 | 6,23E-01 | 6,09E-01 | 9,98E-01 | 6,03E-02 |
| 8 | 1,18E-01 | 3,30E-01 | 6,24E-01 | 6,10E-01 | 9,98E-01 | 6,06E-02 |
| 9 | 1,20E-01 | 3,31E-01 | 6,25E-01 | 6,11E-01 | 9,98E-01 | 6,08E-02 |
| 10 | 1,21E-01 | 3,32E-01 | 6,26E-01 | 6,11E-01 | 9,98E-01 | 6,10E-02 |
| 11 | 1,23E-01 | 3,33E-01 | 6,26E-01 | 6,12E-01 | 9,98E-01 | 6,11E-02 |
| 12 | 1,24E-01 | 3,33E-01 | 6,27E-01 | 6,12E-01 | 9,98E-01 | 6,13E-02 |
| 13 | 1,25E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 9,98E-01 | 6,14E-02 |
| 14 | 1,26E-01 | 3,34E-01 | 6,27E-01 | 6,12E-01 | 9,98E-01 | 6,15E-02 |
| 15 | 1,27E-01 | 3,35E-01 | 6,28E-01 | 6,12E-01 | 9,98E-01 | 6,17E-02 |
| 20 | 1,30E-01 | 3,37E-01 | 6,29E-01 | 6,13E-01 | 9,98E-01 | 6,23E-02 |
| 30 | 1,33E-01 | 3,39E-01 | 6,30E-01 | 6,13E-01 | 9,98E-01 | 6,34E-02 |
| 40 | 1,36E-01 | 3,41E-01 | 6,31E-01 | 6,14E-01 | 9,98E-01 | 6,43E-02 |
| 45 | 1,37E-01 | 3,42E-01 | 6,31E-01 | 6,14E-01 | 9,98E-01 | 6,48E-02 |
| 50 | 1,38E-01 | 3,43E-01 | 6,32E-01 | 6,14E-01 | 9,98E-01 | 6,52E-02 |
| 60 | 1,41E-01 | 3,45E-01 | 6,33E-01 | 6,15E-01 | 9,98E-01 | 6,60E-02 |
| 70 | 1,43E-01 | 3,46E-01 | 6,34E-01 | 6,15E-01 | 9,98E-01 | 6,67E-02 |
| 80 | 1,45E-01 | 3,48E-01 | 6,34E-01 | 6,15E-01 | 9,98E-01 | 6,73E-02 |
| 90 | 1,48E-01 | 3,49E-01 | 6,35E-01 | 6,16E-01 | 9,98E-01 | 6,79E-02 |
| 100 | 1,50E-01 | 3,51E-01 | 6,36E-01 | 6,16E-01 | 9,98E-01 | 6,85E-02 |
| 120 | 1,54E-01 | 3,54E-01 | 6,37E-01 | 6,17E-01 | 9,98E-01 | 6,95E-02 |
| 180 | 1,64E-01 | 3,61E-01 | 6,41E-01 | 6,18E-01 | 9,98E-01 | 7,20E-02 |
| 200 | 1,67E-01 | 3,63E-01 | 6,42E-01 | 6,19E-01 | 9,98E-01 | 7,27E-02 |
| 300 | 1,79E-01 | 3,72E-01 | 6,46E-01 | 6,21E-01 | 9,98E-01 | 7,59E-02 |
| 360 | 1,84E-01 | 3,75E-01 | 6,48E-01 | 6,21E-01 | 9,98E-01 | 7,74E-02 |
| 365 | 1,84E-01 | 3,76E-01 | 6,48E-01 | 6,21E-01 | 9,98E-01 | 7,76E-02 |
| 400 | 1,87E-01 | 3,77E-01 | 6,49E-01 | 6,22E-01 | 9,98E-01 | 7,84E-02 |
| 500 | 1,92E-01 | 3,81E-01 | 6,51E-01 | 6,23E-01 | 9,98E-01 | 8,05E-02 |
| 600 | 1,96E-01 | 3,84E-01 | 6,52E-01 | 6,23E-01 | 9,98E-01 | 8,23E-02 |
| 700 | 1,98E-01 | 3,86E-01 | 6,53E-01 | 6,24E-01 | 9,98E-01 | 8,39E-02 |
| 800 | 2,00E-01 | 3,87E-01 | 6,54E-01 | 6,24E-01 | 9,98E-01 | 8,53E-02 |
| 900 | 2,01E-01 | 3,88E-01 | 6,54E-01 | 6,24E-01 | 9,98E-01 | 8,64E-02 |
| 1000 | 2,02E-01 | 3,89E-01 | 6,54E-01 | 6,24E-01 | 9,98E-01 | 8,75E-02 |
| 2000 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,97E-01 | 9,33E-02 |
| 3000 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,97E-01 | 9,54E-02 |
| 4000 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 9,62E-02 |
| 5000 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 9,65E-02 |
| 6000 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 9,67E-02 |
| 8000 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 9,68E-02 |
| 10000 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 9,68E-02 |
| 13500 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 9,68E-02 |
| 14600 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 9,68E-02 |
| 18250 | 2,04E-01 | 3,90E-01 | 6,55E-01 | 6,24E-01 | 9,96E-01 | 9,68E-02 |
| Eff. Dosis | 1,8E-05 | 1,3E-05 | 8,1E-06 | 4,6E-06 | 2,5E-08 | 4,2E-05 |
| Gebärmutter | 5,0E-08 | 3,8E-08 | 2,5E-08 | 1,5E-08 | 1,4E-08 | 4,5E-06 |