

| Lademengen-Abstandstabelle (Wohngebäude) | | | | | |
|---|------------------|-----------------------------|---------------------------|-------------------------------|-------------------------------|
| für den Tagebau Sandholzgrube | | | | | Anlage 3 a |
| Abstandsbereiche: minimal: | | 10 m | | maximal: 1625 m | |
| Grundlagen: Auswertungen aller Messungen | | | | | |
| Formeln zur Berechnung: | | | Medianwerte | | Maximalwerte |
| 1) BGR-Sediment | | $V_i=(K1)*L^{0,6}*R^{-1,5}$ | | K1=888,0 | K1=3261,0 |
| 2) nach Koch | | $V_i=(K2)*L^{0,5}*R^{-1}$ | | K2=65,0 | K2=159,0 |
| Tabelle: | | | | | |
| <i>Tabelle:</i> | | Median | | Maxwert | |
| Abstandsbereich von: | 300 m | Abstand (m) | Sediment (1) Lademenge | Koch (2) Lademenge | Koch (2) Lademenge |
| Abstandsschritte: | 25 m | 300 | 259,53 kg | 490,79 kg | 82,02 kg |
| Zulässiges $V_{i,max}$: | 4,80 mm/s | 325 | 317,02 kg | 576,00 kg | 96,26 kg |
| | | 350 | 381,55 kg | 668,02 kg | 111,64 kg |
| | | 375 | 453,38 kg | 766,86 kg | 128,16 kg |
| | | 400 | 532,76 kg | 872,52 kg | 145,82 kg |
| | | 425 | 619,94 kg | 984,99 kg | 164,61 kg |
| | | 450 | 715,17 kg | 1.104,28 kg | 184,55 kg |
| | | 475 | 818,68 kg | 1.230,39 kg | 205,62 kg |
| | | 500 | 930,69 kg | 1.363,31 kg | 227,84 kg |
| | | 525 | 1.051,43 kg | 1.503,05 kg | 251,19 kg |
| | | 550 | 1.181,10 kg | 1.649,61 kg | 275,69 kg |
| | | 575 | 1.319,93 kg | 1.802,98 kg | 301,32 kg |
| | | 600 | 1.468,11 kg | 1.963,17 kg | 328,09 kg |
| | | 625 | 1.625,85 kg | 2.130,18 kg | 356,00 kg |
| | | 650 | 1.793,34 kg | 2.304,00 kg | 385,05 kg |
| | | 675 | 1.970,79 kg | 2.484,64 kg | 415,24 kg |
| | | 700 | 2.158,37 kg | 2.672,09 kg | 446,56 kg |
| | | 725 | 2.356,27 kg | 2.866,37 kg | 479,03 kg |
| | | 750 | 2.564,68 kg | 3.067,46 kg | 512,64 kg |
| | | 775 | 2.783,78 kg | 3.275,36 kg | 547,38 kg |
| | | 800 | 3.013,74 kg | 3.490,08 kg | 583,27 kg |
| | | 825 | 3.254,73 kg | 3.711,62 kg | 620,29 kg |
| | | 850 | 3.506,94 kg | 3.939,98 kg | 658,45 kg |
| | | 875 | 3.770,51 kg | 4.175,15 kg | 697,76 kg |
| | | 900 | 4.045,64 kg | 4.417,14 kg | 738,20 kg |
| | | 925 | 4.332,46 kg | 4.665,94 kg | 779,78 kg |
| | | 950 | 4.631,16 kg | 4.921,56 kg | 822,50 kg |
| | | 975 | 4.941,88 kg | 5.184,00 kg | 866,36 kg |
| | | 1000 | 5.264,78 kg | 5.453,25 kg | 911,36 kg |
| | | 1025 | 5.600,03 kg | 5.729,33 kg | 957,49 kg |
| | | 1050 | 5.947,76 kg | 6.012,21 kg | 1.004,77 kg |
| | | 1075 | 6.308,14 kg | 6.301,92 kg | 1.053,19 kg |
| | | 1100 | 6.681,32 kg | 6.598,44 kg | 1.102,74 kg |
| | | 1125 | 7.067,43 kg | 6.901,78 kg | 1.153,44 kg |
| | | 1150 | 7.466,64 kg | 7.211,93 kg | 1.205,27 kg |
| | | 1175 | 7.879,07 kg | 7.528,90 kg | 1.258,24 kg |
| | | 1200 | 8.304,88 kg | 7.852,69 kg | 1.312,35 kg |
| | | 1225 | 8.744,21 kg | 8.183,29 kg | 1.367,60 kg |
| | | 1250 | 9.197,20 kg | 8.520,71 kg | 1.423,99 kg |
| | | 1275 | 9.663,98 kg | 8.864,95 kg | 1.481,52 kg |
| | | 1300 | 10.144,69 kg | 9.216,00 kg | 1.540,19 kg |
| | | 1325 | 10.639,47 kg | 9.573,87 kg | 1.600,00 kg |
| | | 1350 | 11.148,46 kg | 9.938,56 kg | 1.660,95 kg |
| | | 1375 | 11.671,78 kg | 10.310,06 kg | 1.723,03 kg |
| | | 1400 | 12.209,57 kg | 10.688,38 kg | 1.786,26 kg |
| | | 1425 | 12.761,97 kg | 11.073,51 kg | 1.850,62 kg |
| | | 1450 | 13.329,09 kg | 11.465,47 kg | 1.916,13 kg |
| | | 1475 | 13.911,07 kg | 11.864,24 kg | 1.982,77 kg |
| | | 1500 | 14.508,04 kg | 12.269,82 kg | 2.050,55 kg |
| | | 1525 | 15.120,11 kg | 12.682,22 kg | 2.119,47 kg |
| | | 1550 | 15.747,43 kg | 13.101,44 kg | 2.189,53 kg |
| | | 1575 | 16.390,11 kg | 13.527,48 kg | 2.260,73 kg |
| | | 1600 | 17.048,27 kg | 13.960,33 kg | 2.333,07 kg |
| | | 1625 | 17.722,05 kg | 14.400,00 kg | 2.406,55 kg |
| geringste Entfernung zum IO 1 (Ortschaft Kainsricht) | | 925 | 4.332,46 kg | 4.665,94 kg | 779,78 kg |
| geringste Entfernung zum IO 2 (Ortschaft Atzmansricht) | | 1475 | 13.911,07 kg | 11.864,24 kg | 1.982,77 kg |