## Illinois



Biosolids Use and Disposal


|  | Number of Entities (WWTPs \& Sep. Preparers) Going To.. | Quantit of Biosolids | Number of Entities (WWTPs \& Sep. Preparers) Going To... | Quantity of Biosolids |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Landifill (total) | 77 | 124,877 | 20 | 56,565 |  |
| Burial | data not requested for 2004 | data not requested for 2004 | 20 | 56,565 |  |
| Alternative daily (ADC), intermediate, or final cover | data not requested for 2004 | data not requested for 2004 | 0 | 0 |  |
| Surface Disposal |  |  | 5 | 5,887 | ECHO data do not include all solids disposed in landfills. Therefore, the numbers here rely on IL EPA data for |
| Incineration Cement kill or industrial furnace | data not reauested tor 2004 | data not requested for 2004 | 0 | 0 | 2011, since 2018 data on landfilled solids are not compiled. For 2011, IL EPA reported 56,565 dt landfilled; that |
| Cement kill orindustrialfurnace | datan notrequested tor 2004 | dala notrequestedet for 2004 | 0 | 0 | number is used here. - Surface disposal reported in ECHO for 2018 was $5,137 \mathrm{dt}$, which was extrapolated here |
| Gasification | data not requested for 2004 | data not requested for 2004 | 0 | 0 | $05,887 \mathrm{dt}$. IL EPA data for 2011 shows $3,903 \mathrm{dt} \mathrm{to} \mathrm{surface} \mathrm{disposal} \mathrm{and} \mathrm{a} \mathrm{total} \mathrm{of} 60,468 \mathrm{dt} \mathrm{disposed} \mathrm{of}$ |
| Pyrolysis | data not requested for 2004 | data not requested for 2004 | 0 | 0 |  |
| Disposal \& Alternative Dispositions Subtotal | 77 | 124,877 | 25 | 62,452 |  |
| total | 557 | 348,063 | \#VaLUE! | 305,074 |  |


| Biosolids Quality Summary |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number of Entities (WWTPs \& Sep. Preparers) Producing... | Quantity of Biosolids | Number of Entities (WWTPs \& Sep. Preparers) Producing... | Quantity of Biosolids | NOTE: For "number of entities," the total may not match because some entities go to more than one use or disposal. |
| Class AEQ | 10 | 1,879 | 235 | 83,555 |  |
| Other Class A | 0 |  | 6 | 6,175 |  |
| Class B | 454 | 354,484 | 250 | 143,002 | Extrapolated from ECHO data using the same $115 \%$ extrapolation factor as used above. |
| Other (nodata, etc.) | 0 |  | 18 | 19.587 |  |
| TOTAL | 464 | 356,363 | 509 | 252,319 |  |

Biosolids Treatment Practices

|  | Estimated Number of WWTPs or Separate Preparers Using... | Estimated Quantity of Biosolids Produced Using... | Estimated Number of WWTPs or Separate Preparers Using... | Estimated Quantity of Biosolids Produced Using... |
| :---: | :---: | :---: | :---: | :---: |
| Stabilization |  |  |  |  |
| Aerobic Digestion (total) | probably 400 | no data | probably 400 |  |
| Class A (ATAD/Other) | data not requested tor 2004 | data not requested for 2004 |  |  |
| Class B | data not requested for 2004 | data not requested for 2004 |  |  |
| Anaerobic digestion (AD) (total) | approx. 45 | no data | approx. 45 |  |
| Class A (e.g. thermophiilic) | data not requested for 2004 | data not requested for 2004 |  |  |
| Class B (mesophiic) | data not requested for 2004 | data not requested for 2004 |  |  |
| WWTPs co-digesting (FOQ, food, glycol, etc.) | data not requested for 2004 | data not requested for 2004 |  | N/A |
| Biogas used (heating, electicity, fuel, etc: Sctityear) | data not requested for 2004 | data not requested for 2004 |  | N/A |
| Lime/Alkaline (total) | approx. 20 | no data | approx. 20 |  |
| Class A lime/alkaline | data not requested for 2004 | data not requested for 2004 |  |  |
| Class B lime/alakaline | data not requested for 2004 | data not requested for 2004 |  |  |
| Composting | few to none | no data | few to none |  |
| Thermal (e.g. heat drying, not incineration/gasificatr/pyrol) | 0 | no data | 1 |  |
| Gasification | data $n$ | data | 0 | 0 |
| Pyrolysis | data not requested tor 2004 | data not requested tor 2004 | 0 | 0 |
| Hydrolysis (thermal, chemical, etc.) | data not requested tor 2004 | data not requested tor 2004 | 0 | N/A |
| Long-term (lagoons, reed beds, etc.) | 49 | no data | many, in 2011,8 produced solids | N/A |
| Oxidation dilich/extended aeration | data not requested tor 2004 | ta not requested for | no data | N/A |
| Other stabilization technology | $\bigcirc$ | no data | no data |  |
| Dewatering |  |  |  |  |
| Belt Filter Press | many | ta | many |  |
| Plate \& Frame Press | 0 | no data | 0 |  |
| Screw Press | 0 | no data | no data |  |
| Centrifuge | 1 | no data | $>1$ |  |
| Vaccuum Filter | 0 | no data | 0 |  |
| Drying beds (open-air) | many | no data | many |  |
| Solar drying (e.g. in greenhouse) | data not requested for 2004 | data not requested for 2004 | no data |  |
| Other dewatering technology | 0 | no data | some long-term storage/drying |  |
| Thickening |  |  |  |  |
| Gravity thickener | data not requested for 2004 | data not requested for 2004 | no data |  |
| Gravity belt thickener (GBT) | data not requested for 2004 | data not requested for 2004 | no data |  |
| Centrituge | data not requested for 2004 | data not requested for 2004 | no data |  |
| Dissolved a air flotation (DAF) | data not requested for 2004 | data not requested for 2004 | no data |  |
| Other thickening technology | data not requested tor 2004 | data not requested for 2004 | no data |  |
| Other |  |  |  |  |
| Biosolids sold in bags (explain a t right what size bags) | data not requested tor 2004 | data not requested for 2004 |  |  |


| Biosolids sold in bags (explain at right what size bags) | data not requested for 2004 | data not requested for 2004 |
| :--- | :--- | :--- |

