

Electronic Supplementary Information

Table 1. Meteorological parameters of outdoor air of the municipal waste dumping sites in Toruń

Date of sampling	Temperature (°C)	Humidity (%)	Wind velocity (m·s ⁻¹)	Wind direction
26.05.2011	14.7±0.2	53.1±2.1	5.2±0.5	W
24.06.2011	20.1±0.2	58.5±2.1	4.9±0.4	SW
26.07.2011	18.7±0.3	83.7±5.5	1.2±0.2	SW
23.08.2011	21.6±0.4	81.6±3.2	1.3±0.2	W
27.09.2011	7.6±0.2	81.0±3.1	4.1±0.2	W
21.10.2011	7.3±0.2	72.1±2.7	26.5±4.2	W
25.11.2011	2.1±0.1	87.6±3.2	4.6±0.4	W
16.12.2011	- 8.3±0.1	76.8±3.0	3.6±0.3	S
19.01.2012	5.3±0.3	72.7±2.9	1.5±0.1	NW
17.02.2012	-7.0±0.1	56.5±2.9	6.3±0.9	SE
18.03.2012	0.6±0.1	93.3±4.0	1.7±0.2	E
14.04.2012	5.5±0.3	64.3±4.5	5.1±0.3	W

Table 2. Physicochemical properties of soil of the municipal waste dumping sites in Toruń

Site	pH _(H2O)	Moisture [%]
Background	6.6 ± 0.2	7.7 ± 2.6
Operating landfill cell	6.8 ± 0.3	9.7 ± 3.0
Closed landfill cell	7.4 ± 0.2	6.9 ± 4.3
Leachate ponds OLC	5.8 ± 0.3	8.9 ± 1.9
Leached pond RLC	6.8 ± 0.4	5.9 ± 2.6
Wood North	5.0 ± 0.3	10.5 ± 7.1
Wood West	5.3 ± 0.2	6.8 ± 9.8