

**Table S1.** Microbiological contamination of the air in the tested landfill

Sampling sites	Number of microorganisms, CFU m <sup>-3</sup>							Actinomycetes
	Bacteria	Mannitol-positive Staphylococci	<i>Enterobacteriaceae</i>	Haemolytic Staphylococci	<i>Pseudomonas fluorescens</i>	Fungi	Xerophilic fungi	
A	Śr:4.47x10 <sup>2</sup>	Śr:1.67x10 <sup>1</sup>	Śr:<1.0x10 <sup>1</sup>	Śr:1.67x10 <sup>1</sup>	Śr:<1.0x10 <sup>1</sup>	Śr:1.80x10 <sup>2</sup>	Śr:1.80x10 <sup>2</sup>	Śr:1.00x10 <sup>1</sup>
	OS:4.04x10 <sup>1</sup>	OS:5.77x10 <sup>0</sup>	OS:-	SD:5.77x10 <sup>0</sup>	SD:-	SD:2.00x10 <sup>1</sup>	SD:2.00x10 <sup>1</sup>	SD:0.00x10 <sup>0</sup>
B	M:1.83x10 <sup>2</sup>	M:2.33x10 <sup>1</sup>	M:<1.0x10 <sup>1</sup>	M:2.33x10 <sup>1</sup>	M:<1.0x10 <sup>1</sup>	M:3.27x10 <sup>2</sup>	M:3.27x10 <sup>2</sup>	M:2.33x10 <sup>1</sup>
	SD:1.68x10 <sup>2</sup>	SD:1.15x10 <sup>1</sup>	SD:-	SD:1.15x10 <sup>1</sup>	SD:-	SD:5.77x10 <sup>0</sup>	SD:5.77x10 <sup>0</sup>	SD:5.77x10 <sup>0</sup>
C	M:1.10x10 <sup>3</sup>	M:1.40x10 <sup>2</sup>	M:<1.0x10 <sup>1</sup>	M:1.40x10 <sup>2</sup>	M:<1.0x10 <sup>1</sup>	M:4.73x10 <sup>2</sup>	M:4.73x10 <sup>2</sup>	M:4.67x10 <sup>1</sup>
	SD:2.08x10 <sup>1</sup>	SD:3.00x10 <sup>1</sup>	SD:-	SD:3.00x10 <sup>1</sup>	SD:-	SD:1.04x10 <sup>2</sup>	SD:1.04x10 <sup>2</sup>	SD:5.77x10 <sup>0</sup>
D	M:2.77x10 <sup>2</sup>	M:8.00x10 <sup>1</sup>	M:<1.0x10 <sup>1</sup>	M:8.00x10 <sup>1</sup>	M:<1.0x10 <sup>1</sup>	M:3.83x10 <sup>2</sup>	M:3.83x10 <sup>2</sup>	M:1.67x10 <sup>1</sup>
	SD:5.77x10 <sup>0</sup>	SD:6.24x10 <sup>1</sup>	SD:-	SD:6.24x10 <sup>1</sup>	SD:-	SD:1.53x10 <sup>1</sup>	SD:1.53x10 <sup>1</sup>	SD:5.77x10 <sup>0</sup>
E	M:3.30x10 <sup>2</sup>	M:3.67x10 <sup>1</sup>	M:<1.0x10 <sup>1</sup>	M:3.67x10 <sup>1</sup>	M:<1.0x10 <sup>1</sup>	M:1.77x10 <sup>2</sup>	M:1.77x10 <sup>2</sup>	M:1.33x10 <sup>1</sup>
	SD:1.25x10 <sup>2</sup>	SD:1.53x10 <sup>1</sup>	SD:-	SD:1.53x10 <sup>1</sup>	SD:-	SD:2.52x10 <sup>1</sup>	SD:2.52x10 <sup>1</sup>	SD:5.77x10 <sup>0</sup>
F	M:2.20x10 <sup>2</sup>	M:1.33x10 <sup>1</sup>	M:<1.0x10 <sup>1</sup>	M:1.33x10 <sup>1</sup>	M:<1.0x10 <sup>1</sup>	M:1.53x10 <sup>2</sup>	M:1.53x10 <sup>2</sup>	M:3.33x10 <sup>0</sup>
	SD:1.73x10 <sup>1</sup>	SD:5.77x10 <sup>0</sup>	SD:-	SD:5.77x10 <sup>0</sup>	SD:-	SD:3.06x10 <sup>1</sup>	SD:3.06x10 <sup>1</sup>	SD:5.77x10 <sup>0</sup>
G	M:9.33x10 <sup>1</sup>	M:6.67x10 <sup>0</sup>	M:<1.0x10 <sup>1</sup>	M:6.67x10 <sup>0</sup>	M:<1.0x10 <sup>1</sup>	M:1.17x10 <sup>2</sup>	M:1.17x10 <sup>2</sup>	M:0.00x10 <sup>0</sup>
	SD:4.04x10 <sup>1</sup>	SD:5.77x10 <sup>0</sup>	SD:-	SD:5.77x10 <sup>0</sup>	SD:-	SD:1.53x10 <sup>1</sup>	SD:1.53x10 <sup>1</sup>	SD:-

M - mean; SD - standard deviation