

Table S4. Comparison of upwind and downwind CH₄ Mixing ratios at ground level at IN-1. Values represent first static chamber samples measured at the intermediate and extended daily covers, respectively. Upwind CH₄ (column 2) refers to atmospheric mixing ratios at the ground surface obtained in May 2012 at the upland, upwind intermediate cover. Downwind CH₄ (column 3) refers to the corresponding atmospheric mixing ratios at the ground surface obtained in August 2012 at the extended daily cover. The extended daily cover area was immediately adjacent to, downwind, and downslope from the active filling area.

	Upwind CH ₄ (ppm)	Downwind CH ₄ (ppm)
Mean	3.99	53.5
Standard Deviation	2.20	71.1
Geometric mean	3.61	33.4
Geometric St Deviation	1.53	2.5
Max	12.02	356.9
Min	2.00	8
Count	22	27