Table S.5. Physical properties and chemical composition of Lakeview, Nanticoke and Atikokan fly ash.

	Lakeview	Nanticoke	Atikokan
Grain size			
sand (4.75-0.075 mm)	4.3%	13.2%	5.6%
silt (0.075-0.002 mm)	79.8%	68.2%	78.3%
clay (<0.002 mm)	15.9%	18.6%	16.1%
pH	8.92	9.39	11.05
Chemical composition (ppm)			
Al	129600	114300	120200
As	87	49	32
B	320	436	470
Ba	465	530	3900
Ca	33900	50600	99800
Cd	2	3	3
Cr	152	137	362
Fe	73600	69940	27800
K	12650	10150	5800
Mg	5260	7700	17320
Mn	139	155	89
Mo	12	8	16
Na	3590	3080	56960
P	1760	2530	2250
S	8100	4160	3680
Se	5	6	9
Si	196600	199800	203900
Ti	5420	7700	5830
Zn	106	96	53
Percentage of fly ash leached			
(Calculated on the basis of Na concentration)			
Straight water/ash runs	4.3%	0.9%	6.3%
PCD-added runs	14.3%	13.9%	10.0%
TCD-added runs	35.4%	29.0%	31.3%