

Supplementary Information

S1: X-ray fluorescence spectroscopy data on Rosherville fly ash.

Fly ash component	Weight (%)
SiO ₂	55.03
Al ₂ O ₃	27.76
Fe ₂ O ₃	0.62
FeO	4.99
MnO	0.08
CaO	5.00
MgO	1.43
Na ₂ O	0.14
K ₂ O	0.9