A METHOD OF REMOVING QUICKLY WASTE INCINERATOR FLY ASH

ABSTRACT OF THE DISCLOSURE

The present invention intends to take fresh water as an extracting agent to extract waste incinerator fly ash at low liquid-solid ratio and high stirring speed; the fly ash is then pulverized such that numerous substances in the fly ash can be released to generate high-concentration OH^-, and harmful substances such as Pb, can be shifted to dissoluble species, thus removing quickly and efficiently harmful substances in the waste incinerator fly ash for the purpose of recycling. Firstly, the present invention allows preparing waste incinerator fly ash and fresh water, conduct stirring extract at low liquid-solid ratio, then place fly ash slurry aside for immersion extraction. Next, the fly ash slurry is subject to solid-liquid separation, the liquid waste is treated by waste water treatment facility, and the dehydrated fly ash is dried and pulverized; finally, test TCLP dissolution and Dioxin's total quantity of pulverized fly ash; if OK, the pulverized fly ash can be recycled as a harmless substance; otherwise, return to step 1 for preparation of fresh water.

Figure 1