
poster

ポスター発表

[18001-26-19] Study on the characterization and performance of removing cesium by geomaterials

OZHANG Haixin¹、宮本 直人¹、狩野 直樹¹ (1. 新潟大学)

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In this study, adsorption is chosen as the method to remove Cs. The geomaterials were prepared as adsorbent by using fly ash and slag as raw materials and activated by alkali activator. The materials were characterized by XRD, SEM-EDS, BET surface area, pore volume and pore size analysis. Adsorption isotherms of Cs onto the geomaterials was investigated with varying initial concentrations under optimum experiment conditions. Kinetic models and adsorption isotherm models are used to describe the mechanism involved in the adsorption process.