

含水废树脂的脱水和干燥

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摘要 <正> 一、前言 随着核动力的发展,由核电站产生的废物量也随之增加,这些废物的处理和处置是核工业面临的主要问题。用离子交换树脂净化反应堆主回路冷却水,经过一段时间以后,其具有很强的放射性,需要排出进行处理。树脂因颗粒小,易分散、着火和引起污染,为安全地处理

关键词 [废树脂](#) [核电站废物处理](#)

分类号

DEWATERING AND DRYING OF WET SPENT RESINS

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Abstract Dewatering and drying the radioactive spent resins generated from nuclear power plants are studied in laboratory. A simple way is filtering and heat-drying the resins in vacuum. The important parameters of the process are determined. After filtering under vacuum the percentage of water in cation is about 53%~57%. By means of heat-drying in vacuum the water content of cation resin, anion resin and mixed bed resin can be further decreased to 46%~48%, 30% and 40%, respectively. The resins treated have good mobility. The operation time is about six hours.

Key words [Spent resin](#), [NPP waste treatment](#).

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扩展功能

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