

## 中放废液水泥固化大体积浇注工艺可行性探讨

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**摘要** 文章扼要地回顾国内外放射性废物处理处置发展趋向,试图对后处理厂中放废液水泥固化,从工艺角度进行大体积浇注浅地层埋藏处置方案的可行性探讨。本方案通过水泥固化基础配方,固化物性能及其安全性、经济性等详细讨论,对解决体积庞大的中放废液是一个有前途的方法。大体积浇注固化工艺就现在所预想到的问题和技术水平是基本可行的,选择合理的地质、地理环境,采取有效防御措施,对环境也是安全的。

**关键词** [水泥固化](#) [大体积浇注工艺](#) [浅地层埋藏处理方案](#) [可行性探讨](#) [固化基础配方](#)

分类号

## ON THE FEASIBILITY OF LARGE VOLUME CASTING CEMENTATION PROCESS FOR INTERMEDIATE LEVEL RAD WASTE

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**Abstract** The paper briefly reviews the recent tendency of rad waste treatment and disposal both in China and abroad, assesses the feasibility of the large volume casting cementation process for treating and disposing the intermediate level radwaste from spent fuel reprocessing plant in shallow land on the basis of the analyses of the experimental results (such as formulation study, solidified radwaste properties measurement etc.) It can be concluded that large volume casting cementation process is a promising, safe and economic process. It is feasible for reprocessing plant intermediate level rad waste if the disposal site chosen has reasonable geological and geographical conditions and some additional effective protection means are taken.

**Key words** [Rad waste](#) [Reprocessing plant](#) [Cementation process](#) [Large volume casting](#)

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