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溶剂萃取法处理高放废液过程中防止形成第二有机相的技术

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摘要 概要介绍和评述了用溶剂萃取法处理高放废液时避免产生第二有机相的若干技术:复合萃取体系、芳香烃作为稀释剂、稀释法、还原法、络合法以及非平衡萃取法。后者对用TRPO 煤油溶液处理我国生产堆高放废液有着良好的应用前景。

关键词 [溶剂萃取](#) [高放废液](#) [第二有机相](#)

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Techniques of Avoiding Second Organic Phase in the Treatment of High-level Liquid Waste by Solvent Extraction

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Abstract A description and review on the techniques of avoiding second organic phase in the treatment of high level liquid waste (HLLW) by solvent extraction is presented. These techniques are as follows: combination extraction system, aromatic hydrocarbons as diluent, dilution, reduction, complexation as well as nonequilibrium extraction. TRPO process with nonequilibrium extraction technique will be promising to remove actinides from HLLW.

Key words [solvent extraction](#) [high level liquid waste](#) [second organic phase](#)

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