

压水堆蒸汽发生器的腐蚀与防护

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收稿日期 1986-5-31 修回日期 网络版发布日期:

摘要 <正> 七十年代以来,压水堆蒸汽发生器(SG)的破裂事故屡见不鲜。由于经常发生事故,规定了管束的定期检查。为减少非计划停堆次数,还规定了缺陷管的堵管标准。 SG的破裂事故,由于必须停堆修理,经济损失是巨大的。以1000兆瓦电功率核电站为例,事故停堆一天的费用高达50万美元;更换一台100万千瓦(电)级核电站SG的费用

关键词

分类号

CORROSION AND PROTECTION OF PWR STEAM GENERATORS

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Abstract PWR steam generators have experienced a variety of corrosion problems including stress corrosion cracking, phosphate wastage, denting and pitting. This paper presents an overview of operating experience in PWR steam generators with particular emphasis on various types of corrosion cracking and short- and long-term corrective actions being pursued by industry to resolve these problems.

Key words

DOI

通讯作者

扩展功能

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