

## PWR核电站蒸汽发生器停堆湿保养工况联氨的缓蚀作用

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**摘要** <正> 一、引言 压水堆(PWR)核电站蒸汽发生器(SG)管材因二回路系统腐蚀产物积累发生应力腐蚀开裂,这是SG传热管破损的主要原因之一。维修和更换SG使PWR停运期间所需要的替用电力对发电站造成很大的财政负担,同时,二回路系统的腐蚀产物沉积在蒸汽发生器内,降低

**关键词** [联氨](#) [淤渣率](#) [PWR](#) [SG停堆湿保养](#)

分类号

## INHIBITION EFFECT OF HYDRAZINE IN PWR STEAM GENERATOR SHUTDOWN WET PROTECTION CONDITION

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**Abstract** The paper summarizes the shutdown wet protection condition of the steam generator (SG) in Qin Shan nuclear power plant. It is measured in laboratory that the corrosion rate and the sludge production rate of the SG shell(S271) and the feed-water pipes (A3) under the shutdown wet protection condition. The effect of air on the corrosion rate and the sludge production rate of S271 and A3, and the inhibition of hydrazine are also studied.

**Key words** [Hydrazine](#)[Sludge production rate](#)[PWR](#)[SG](#)[Shutdown wet protection condition.](#)

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