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**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 3778-2005

**Technical rules for chemical cleaning and prefilming treatment
of cooling water systems**

冷却水系统化学清洗、预膜处理技术规则

(English Translation)

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1 Scope

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This standard applies to the cooling water system due to scaling, corrosion and bio-fouling and other water quality impairment, which results in heat exchange efficiency of water cooling equipment decreased, affecting production output, quality, the production unit under normal operating conditions, the cooling water system for chemical cleaning, pre-film, especially for the long run and can not shut down for maintenance cleaning of the cooling water system, the lifting of dirt, rust, dirt and other biological barriers, to improve or restore basic heat transfer efficiency of heat exchange equipment, also apply to new construction or major overhaul after the cooling water system to open, chemical cleaning, well as large and medium-sized central air conditioning running in no chemical cleaning, pre-film. Pre-film processing is also suitable for cooling water systems complement the low PH membrane treatment after the accident.