

# **Epri Water Chemistry Guideline**

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Epri Water Chemistry  
Guideline EPRI Perspective This first  
revision of the Closed Cooling Water  
Chemistry Guideline has been  
endorsed by the utility chemistry  
community and represents another  
step in developing a more proactive  
chemistry program to limit or  
control closed cooling system  
degradation with increased  
consideration of corporate  
resources and plant-specific design  
and operating concerns. EPRI  
Closed Cooling Water Chemistry  
Guideline, Revision 1 ... Epri Water  
Chemistry Guideline Author:  $\ddot{z}^{\frac{1}{2}}\ddot{z}^{\frac{1}{2}}$   
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10:10:54 PM Epri Water Chemistry  
Guideline - seapa.org EPRI  
periodically updates the PWR water  
chemistry guidelines as new  
information becomes available and  
as required by NEI 97-06, Steam  
Generator Program Guidelines. The  
last revision of these Guidelines  
identified an optimum primary  
water chemistry program based on  
then-current understanding of  
research and field information. PWR  
Primary Water Chemistry  
Guidelines EPRI to Revise Service  
Water System Chemistry Guidelines  
“Currently, the EPRI chemistry  
guidelines contain limits based on  
concentration thresholds, also  
known as action levels. So, for a  
plant sample in which a  
contaminant exceeds a certain

concentration, a specific action is taken. 'Action level one' may be to clean up the contaminant. Epri Water Chemistry Guideline This fourth revision of the PWR Primary Water Chemistry Guidelines, endorsed by the utility executives of the EPRI Steam Generator Management Project, represents another step in developing a more proactive chemistry program to limit or control steam PWR Primary Water Chemistry Guidelines History of the EPRI BWR Water Chemistry Guidelines... Nine full revisions of Guidelines to date (blue boxes) Interim Guidance issued in 2010, 2011 and 2016 (light blue boxes) Update on BWR Water Chemistry and Mitigation Utilities will develop and work with EPRI to implement plant-specific Strategic

Water Chemistry Plans, based on the guidance provided in the EPRI Water Chemistry Guidelines revised to include applicability to advanced plant designs. IN USE: WATER CHEMISTRY GUIDELINES FOR ADVANCED ... - EPRI review in 1999. The NRC has indicated that operation in compliance with the EPRI Water Chemistry Guidelines is an important factor in deferring inspections. Compliance in cases such as this refers to Section 4.3 Guidelines Values for Control Parameters. The control parameters that affect IGSCC include ECP, conductivity, sulfate and chloride. BWR Water Chemistry Guidelines - 2000 Revision Again reference to the appropriate EPRI cycle chemistry guideline is required. • For both all-ferrous and

mixed-metallurgy feedwater systems, the optimum approach can only be obtained by monitoring the iron and copper levels as indicated in Table 2-2. • Two-phase FAC will need a materials solution which involves using a 1.25% Cr or higher EPRI\_Guidelines for Controlling Flow Accelerated Corrosion ... The Electric Power Research Institute (EPRI) conducts research, development, and demonstration projects for the benefit of the public in the United States and internationally. As an independent, nonprofit organization for public interest energy and environmental research, we focus on electricity generation, delivery, and use in collaboration with the electricity sector, its stakeholders and ... EPRI Home This initiative

references EPRI's Water Chemistry Guidelines, including this document, as the basis for an industry consensus approach to chemistry programs. Specifically, the initiative requires that US utilities meet the intent of the EPRI PWR Secondary Water Chemistry Guidelines. The focus of the NEI initiative is steam generator integrity. EPRI TR-102134-R5 Non-proprietary version Electric Power EPRI updates industry water chemistry guidelines periodically as new information becomes available. Previous versions of these PWR Secondary Water Chemistry Guidelines identified a detailed water chemistry program deemed consistent with the then-current understanding of research and field information. Pressurized Water

Reactor Secondary Water Chemistry ... EPRI is updating and expanding a mid-1990s guidance document for improving chemistry control within open cooling water chemistry systems. The new document, which will include guidance for both nuclear and fossil plants, will be available by the end of 2012. Chemical Addition Guideline - EPRI "Currently, the EPRI chemistry guidelines contain limits based on concentration thresholds, also known as action levels. So, for a plant sample in which a contaminant exceeds a certain concentration, a specific action is taken. 'Action level one' may be to clean up the contaminant. Higher levels may involve reducing the plant's power." Water Chemistry in Nuclear



Power: Smarter ... - EPRI Journal The overall objective of the project was to consider the cycle chemistry requirements of fossil units with ACCs of direct cooling design and establish interim guidelines for units subject to high levels of iron transport when following the EPRI guidelines for units with water-cooled condensers. To satisfy this objective it was necessary to:

- EPRI's Guideline on Chemistry for Fossil Units with Air ... The Electric Power Research Institute's (EPRI's) Boiler and Turbine Steam and Cycle Chemistry Program (Program 64) offers guidelines, technology, and training materials to help plant operators manage water-steam chemistry, reduce unplanned outages and operations and maintenance (O&M) costs, and

improve unit economics. 2013 Portfolio / Boiler and Turbine Steam and Cycle ... - EPRI EPRI's Cycle Chemistry Guidelines for Shutdown, Layup, and Startup identify the keys to protecting the water- and steam-touched components of today's assets in a manner consistent with operating chemistries and shutdown requirements. This report includes a guidance roadmap that allows users to assess and apply four types of protection. Materials & Chemistry Report - EPRI EPRI Water Chemistry Guidelines Background • Review Required per BWRVIP and SGMP -Supporting NEI 97-06 and NEI 03-08 -Review starting two years after a published revision, and then each year until next revision started • Review Addresses: -Do the identified issues

necessitate a GL revision PWR Primary Water Chemistry Guidelines The Electric Power Research Institute's (EPRI's) Boiler and Turbine Steam and Cycle Chemistry Program (Program 64) offers guidelines, technology, and training materials to help plant operators manage water-steam chemistry, reduce unplanned outages and operations and maintenance (O&M) costs, and improve unit economics. 2012 Portfolio: Boiler and Turbine Steam and Cycle Chemistry Guidelines for cooling water chemistry during operation and layup for water-cooled generators. TGD9-18 Air In-leakage in Steam-Water Cycles: 2018: Guidelines on the detection and measurement of air in-leakage (AIL) in reference to the optimum

cycle chemistry control and maximum thermal cycle efficiency in a wide range of generating plants.

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