

December 18, 2006

MEMORANDUM TO: Robert L. Tregoning, Acting Branch Chief
New Reactor Infrastructure Guidance Development Branch
Division of New Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: Thomas O. Martin, Director */RA/*
Division of Safety Systems
Office of Nuclear Reactor Regulation

SUBJECT: WITHDRAWAL OF SRP SECTION 9.2.3, "DEMINERALIZED WATER
MAKEUP SYSTEM"

During our update review of Standard Review Plan (SRP) Section 9.2.3, "Demineralized Water Makeup System," we concluded that this SRP section should be discontinued. The demineralized water makeup system (DWMS) is not typically credited for performing a safety function, the Standard Technical Specifications do not specify any requirements for the DWMS, and the General Design Criteria do not apply. Also, chemistry considerations are typically reviewed under SRP Section 9.3.2, "Process and Post-Accident Sampling System" and other SRP sections.

If a licensee or an applicant should propose to use the DWMS (or some portion thereof) for performing a safety-related function, the NRC staff would review the proposed use of the DWMS under the SRP sections that apply to the particular safety function that is being credited. For example, a licensee could propose to credit a DWMS storage tank as a safety related source of water for the auxiliary feedwater system (AFWS). In this case, NRC review of the DWMS storage tank would be included within the scope of SRP Section 10.4.9, "Auxiliary Feedwater System (PWR)," which states: "The review the AFWS includes the seismic Category I water supply including valving and cross-connects...." Therefore, review of the DWMS storage tank for this particular application is covered by SRP Section 10.4.9, and SRP Section 9.2.3 is not necessary (nor is it used) for review of this safety-related function.

Consistent with withdrawing SRP Section 9.2.3, it is our recommendation that the section concerning the demineralized water makeup system in DG-1145 (C.1.9.2.3) also be withdrawn.

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