

June 6, 2003

Mr. W. E. Cummins, Director
AP600 & AP1000 Projects
Westinghouse Electric Company
P.O. Box 355
Pittsburgh, PA 15230-0355

Dear Mr. Cummins:

As you are aware, the U.S. Nuclear Regulatory Commission (NRC) staff is preparing the draft safety evaluation report (DSER) for the AP1000 design certification application submitted by Westinghouse Electric Company (Westinghouse) on March 28, 2002. The staff expects to issue the DSER in June, 2003. As of this date, the staff has identified one potential open item for DSER Chapter 20, "Generic Issues" which is enclosed for your information. Please note that the staff's review of the application will continue during preparation of the DSER, which may result in changes to the potential open item identified in the enclosure, or the addition of other open items.

The potential open item in the enclosure is a new issue. If the staff cannot resolve the potential open item before the issuance of the DSER, the items will be issued as a DSER open items and be tracked with a corresponding open item number.

Previously, Westinghouse committed to provide responses to all identified open items within 9 weeks after the issuance of the DSER. The staff will be prepared to review your responses to the open items and have conference calls and meetings with your staff, as appropriate, after the DSER is issued. If Westinghouse chooses to address some or all of these open items before the issuance of the DSER, the staff may not have sufficient time to evaluate every response to the potential open items that Westinghouse submits to the NRC and make changes to the DSER before the scheduled DSER issuance in June, 2003.

Please contact one of the following members of the AP1000 project management team if you have any questions or comments concerning this matter: Mr. John Segala (Lead Project Manager) at (301) 415-1858 or jps1@nrc.gov, Mr. Joseph Colaccino at (301) 415-2752 or jxc1@nrc.gov, or Ms. Joelle Starefos at (301) 415-8488 or jls1@nrc.gov.

Sincerely,

/RA/

James E. Lyons, Director
New Reactor Licensing Project Office
Office of Nuclear Reactor Regulation

Docket No. 52-006

Enclosure: As stated

cc: See next page

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**Westinghouse AP1000
Draft Safety Evaluation Report
Potential Open Item
Chapter 20
Generic Issues**

Open Item Number: 20.7-1

Original RAI(s): None

Summary of Issue: Generic Letter 85-06 provides the explicit QA guidance required by 10 CFR 50.62 for the non-safety related SSCs required to mitigate an ATWS event per 10 CFR 50.62(c)(1). The NRC staff reviewed DCD Tier 2 Sections 15.8, 17.3, Table 17-1, and WCAP-15985, Revision 1, for applicant's resolution of this generic issue.

In DCD Tier 2 Section 15.8, the applicant stated that the AP1000 diverse actuation system (DAS) provides the ATWS mitigation systems by tripping the turbine and actuates passive residual heat removal to provide decay heat removal. In DCD Tier 2 Section 7.7.2.11, the applicant described the DAS as a non safety-related system that provides a diverse backup to the protection system.

The applicant addressed quality assurance requirements for the SSCs providing ATWS mitigation under the regulatory treatment for non safety systems (RTNSS) process described in SECY 95-132. WCAP-15985 provided the proposed resolution for the AP1000 RTNSS policy issue. WCAP-15985 states that the DAS functions and the associated non-class 1E DC and UPS system power supplies, are needed to meet the requirements of 10 CFR 50.62, and DAS needs to meet Generic Letter 85-06. However, WCAP-15985 did not include that GL 85-06 is also applicable to the non class 1E and UPS power systems that support the DAS ATWS functions.

Therefore, the staff determined that the applicant should clearly state the quality assurance requirements that are applicable to the DAS and non-class 1E and UPS systems for the purposes of satisfying the requirements of GL 85-06. This issue is identified as Open Item 20.7-1.

Enclosure

AP 1000

cc:

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