

June 3, 2004

MEMORANDUM TO: Laura A. Dudes, Section Chief
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Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

FROM: Amy Cabbage, Project Manager */RA/*
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

SUBJECT: MAY 6, 2004, AP1000 TELEPHONE CONFERENCE CALL SUMMARY

On Thursday, May 6, 2004, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission (NRC) staff to discuss issues related to inspections, tests, analyses and acceptance criteria (ITAAC) for security. The NRC staff specifically discussed open item (OI) 14.3.2-8, which was raised by the NRC in a letter dated June 9, 2003 (ADAMS Accession No. ML031600105). The NRC staff proposed a revision to the security ITAAC contained in the AP1000 design control document (DCD), Tier 1, Section 3.3, Table 3.3-6 (Attachment 1), which was provided to Westinghouse via e-mail on May 5, 2004. A list of call participants is included in Attachment 2.

The following is a brief summary of the discussion regarding the staff's request for additional information concerning OI 14.3.2-8:

- (1) The staff proposed deleting the ITAAC in DCD Tier 1 Table 3.3-6 associated with the design commitment regarding security hardening of Protected Area/Vital Area walls;
- (2) The staff proposed to add six new ITAAC to Table 3.3-6 (see Attachment 1);
- (3) The staff and Westinghouse agreed that the proposed ITAAC would be modified as follows:
 - a) Change "reactor" control room to "main" control room and revise acceptance criteria to include tests or analyses;
 - b) Remove "windows" from #14;
 - c) Change "physical" barriers to "security hardened" barriers;
 - d) Change "secondary" power to "security" power;
 - e) Delete #18; and
 - f) Revise #19 to apply only to vital area perimeter and to specify that the locks be manipulation resistant;

- (4) The staff proposed that the design descriptions in Section 3.3 of DCD Tier 1 be revised to be consistent with the new proposed ITAAC;
- (5) Westinghouse agreed to revise Section 3.3 and Table 3.3-6 of DCD Tier 1 to provide 5 additional ITAAC;
- (6) Westinghouse also agreed to submit a revised response to OI 14.3.2-8.

Docket No. 52-006

Attachments: As stated

L. Dudes

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- (4) The staff proposed that the design descriptions in Section 3.3 of DCD Tier 1 be revised to be consistent with the new proposed ITAAC;
- (5) Westinghouse agreed to revise Section 3.3 and Table 3.3-6 of DCD Tier 1 to provide 5 additional ITAAC;
- (6) Westinghouse also agreed to submit a revised response to OI 14.3.2-8.

Docket No. 52-006

Attachments: As stated

Distribution: See next page

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Inspection Tests, Analyses, and Acceptance Criteria

Design Commitment	Inspections Tests and Analyses	Acceptance criteria
14. The walls, doors, ceiling, floor and any windows in the reactor control room, central alarm station and the secondary alarm station are bullet resisting	An inspection of the as-built walls, doors, ceiling, floor and any windows in the reactor control room central alarm station and the secondary alarm station will be performed	The walls doors, ceiling, floor and any windows in the reactor control room, central alarm station and the secondary alarm station meet the requirements of being bullet resisting to Underwriter Laboratories Standard for Bullet Resisting Equipment (UL-762), High Power Rifle Rating, including resistance to a level 4 round
15. Central alarm station and reactor control room are vital areas	An inspection of the as-built central alarm station and reactor control rooms will be performed	Access to the central alarm station and reactor control room is through an activated intrusion alarm system and at least two physical barriers
16. Secondary power supply system for alarm annunciator equipment and non-portable communications equipment is located within a vital area	An inspection of the as-built location of the secondary power supply for alarm annunciator equipment and non-portable communications equipment will be performed	Access to the secondary power supply for alarm annunciator equipment and non-portable communications equipment is through an activated intrusion alarm system and at least two physical barriers
17. Vital areas are locked and alarmed with active intrusion detection systems that annunciate upon intrusion to the central and secondary alarm stations	An inspection of the as-built vital area(s), central and secondary alarm stations are performed	Vital area(s) are locked and alarmed with active intrusion detection systems that annunciate upon intrusion to the central and secondary alarm stations
18. Vital area ingress and egress are designed to interface with other plant requirements and not impair operations during emergency conditions	An inspection of the as-built vital area(s) ingress and egress interfaces is performed	TBD

19. The locks utilized for the protection of the facility and nuclear material (i.e. doors or gates to material access areas, protected and vital area perimeters, access to vital equipment, emergency exit doors within the protected area perimeters) follows the regulatory guidance for general use of locks in the protection and control of facilities and special nuclear materials	An inspection of the locks used in the protection of the facility and nuclear material is performed	The locks utilized for the protection of the facility and nuclear material (i.e. doors or gates to material access areas, protected and vital area perimeters, access to vital equipment, emergency exit doors within the protected area perimeters) follows the regulatory guidance for general use of locks in the protection and control of facilities and special nuclear materials
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MAY 6, 2004
TELEPHONE CONFERENCE CALLS SUMMARY
LIST OF PARTICIPANTS

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