



Westinghouse Electric Company
Nuclear Power Plants
P.O. Box 355
Pittsburgh, Pennsylvania 15230-0355
USA

U.S. Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, D.C. 20555

Direct tel: 412-374-6206
Direct fax: 412-374-5005
e-mail: sisk1rb@westinghouse.com

Your ref: Docket No. 52-006
Our ref: DCP/NRC2197

July 8, 2008

Subject: AP1000 Response to Request for Additional Information (TR49)

Westinghouse is submitting a response to the NRC request for additional information (RAI) on AP1000 Standard Combined License Technical Report (TR) 49, APP-GW-GLR-062, "AP1000 Security Enhancement Report." This RAI response is submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information included in the response is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification and the AP1000 Design Certification Amendment Application.

A response is provided for RAI-TR49-NSIR-01 and -02 as sent in an email from Perry Buckberg to Sam Adams dated May 19, 2008. This response completes all requests received to date for Technical Report 49.

Enclosure 1 contains sensitive unclassified non-safeguards information relative to the physical protection of an AP1000 Nuclear Power Plant that should be withheld from public disclosure pursuant to 10 CFR 2.390(d). Enclosure 2 is the redacted (Public) version of Enclosure 1.

Questions or requests for additional information related to the content and preparation of this response should be directed to Westinghouse. Please send copies of such questions or requests to the prospective applicants for combined licenses referencing the AP1000 Design Certification. A representative for each applicant is included on the cc: list of this letter.

Very truly yours,

A handwritten signature in black ink that reads "D. O. Lindgren/for".

Robert Sisk, Manager
Licensing and Customer Interface
Regulatory Affairs and Standardization

/Enclosures

1. Response to Request for Additional Information on Technical Report 49 (Sensitive Version)
2. Response to Request for Additional Information on Technical Report 49 (Public Version)

| | | | |
|-----|--------------|-------------------------|----|
| cc: | D. Jaffe | - U.S. NRC | 1E |
| | E. McKenna | - U.S. NRC | 1E |
| | P. Buckberg | - U.S. NRC | 1E |
| | P. Ray | - TVA | 1E |
| | P. Hastings | - Duke Power | 1E |
| | R. Kitchen | - Progress Energy | 1E |
| | A. Monroe | - SCANA | 1E |
| | J. Wilkinson | - Florida Power & Light | 1E |
| | C. Pierce | - Southern Company | 1E |
| | E. Schmiech | - Westinghouse | 1E |
| | G. Zinke | - NuStart/Entergy | 1E |
| | R. Grumbir | - NuStart | 1E |
| | A. Pfister | - Westinghouse | 1E |

ENCLOSURE 2

Response to Request for Additional Information on Technical Report 49

(Public Version)

Redacted version of Enclosure 1 with sensitive unclassified non-safeguards information related to the physical protection of an AP1000 Nuclear Plant withheld from public disclosure pursuant to 10 CFR 2.390(d).

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-TR49-NSIR-01 NS
Revision: 0

Question:

Please provide COL action items for all 14 enhancements identified in the Enhancement Report or modify COL information item 13-6.1 to specifically include the 14 enhancements cited in the subject report.

Also add in the additions identified by answering the NRC RAIs on the AP1000 Safeguards Assessment Report.

Westinghouse Response:

As discussed in the phone call between the NRC and Westinghouse on June 5, 2008, COL action items for each enhancement identified in the Enhancement Report are not required. Additional information regarding each enhancement is either located in separate technical reports or can be made available for NRC review at a Westinghouse office.

SRI

"SECURITY RELATED INFORMATION – WITHOLD UNDER 10 CFR 2.390"

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

SRI



"SECURITY RELATED INFORMATION – WITHOLD UNDER 10 CFR 2.390"

AP1000 TECHNICAL REPORT REVIEW

SRI **Response to Request For Additional Information (RAI)**

Design Control Document (DCD) Revision: None

PRA Revision: None

Technical Report (TR) Revision: None

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-TR49-NSIR-02 NS
Revision: 0

Question:

Please provide diagrams that have the size such that a reviewer can visualize the location of the enhancement depicted. It is recommended that the diagram be in black and white.

Westinghouse Response:

APP-GW-GLR-062 explicitly states that the accompanying figures are only provided as a source of guidance. They are not intended to be a DCD markup or a markup which depicts each enhancement. Due to the nature of each enhancement, the enhancements are depicted in various different sources which are already available to the NRC for review as discussed below.

SRI



AP1000 TECHNICAL REPORT REVIEW

SRI

Response to Request For Additional Information (RAI)

Design Control Document (DCD) Revision: None

PRA Revision: None

Technical Report (TR) Revision: None