

July 1, 2010

MEMORANDUM TO: Eileen M. McKenna, Chief
AP1000 Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: Sikhindra Mitra, Project Manager
AP1000 Projects Branch 2 */RA/*
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: MEETING WITH WESTINGHOUSE ELECTRIC COMPANY TO
DISCUSS COMPONENT INTERFACE MODULE AND DIVERSE
ACTUATION SYSTEM TECHNICAL REPORTS OF THE AP1000
INSTRUMENTATION AND CONTROL SYSTEM

The U.S. Nuclear Regulatory Commission (NRC) held a Category 1 public meeting on April 8, 2010. The Office of New Reactors (NRO) met with Westinghouse Electric Company (Westinghouse) to discuss Component Interface Module (CIM) and Diverse Actuation System (DAS) Technical Reports of the AP1000 Instrumentation and Control system. The meeting was held at the NRC office in Rockville, Maryland.

The NRC made brief opening comments, introductions were made by all in attendance. The NRC made a presentation (enclosed) to communicate the staff's findings and position for the CIM and the Defense-in-Depth (D3) design. Westinghouse made a presentation on DAS Setpoint Methodology. The NRC staff and Westinghouse representatives discussed the issues according to the enclosed agenda. The discussions resulted in Westinghouse action items (enclosed).

Enclosed with this summary are the materials relevant to this closed meeting. The enclosed documents are as follows: (1) agenda for the public meeting (2) action items, (3) attendee list, and (4) Westinghouse presentation.

Enclosures:
As stated

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ADAMS ACCESSION NO: ML101520277 (Memo) ML101520327 (PKG) NRO-002

OFFICE	DNRL/NWE2:LA	DNRL/NWE2: PM	DNRL/NEW2:BC
NAME	RButler	SMitra	JCruz for Eckenna
DATE	6/28/10	7/1/10	7/1/10

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Meeting Agenda

April 8, 2010

1:00 p.m. – 5:00 p.m.

1. Opening Remarks NRC and Westinghouse (Open to public)
2. Discussion of documents: (Closed to public)
 - a. Component Interface Module Technical Report
 - b. Diverse Actuation System (DAS) Technical Report
 - c. Defense-in-Depth Report
 - d. DAS Setpoint Methodology
 - e. Cyber Security Program Plan
3. The Open issues / questions from the staff's review of the design documentation (Closed to public)
4. Closing Remarks from NRC and Westinghouse (Open to public)

Action Items

NRC: None

Westinghouse: The action identified during the Westinghouse presentation is to revise Diverse Actuation System (DAS) wording in the DCD "Section 7.7.1.11 to read:

Current Statement: "The selection of setpoints and time responses determines that the automatic functions do not actuate unless the protection and safety monitoring system has failed to actuate to control plant conditions."

Recommended Statement: "The selection of DAS setpoints and time responses is such that the automatic DAS functions will normally actuate after the corresponding Protection and Safety Monitoring System automatic functions."

Attendee list

April 15, 2010

Attendee(s):

Westinghouse

- Rob sisk
- Bob Seelman
- Terry Schulz
- Jason Eisenhauer
- Charles Lease
- Don Durkosh
- John Ewald
- Seth Peasley
- Steve Seaman
- Dan stiffer
- Tom Tweedle
- Kyra Durinsky

NuStart

- Bob Hirmanpour (Phone)

SNC

- Fred Mizell

Progress Energy

- Julia Forbes

NRC

- Terry Jackson
- Royce Beacon
- Ian Jung
- Daniel Santos
- Eileen McKenna
- S. K. Mitra

Enclosure 3

NRC Presentation

Westinghouse's Non-Proprietary Technical Presentation Slides

<u>ADAMS Accession Number</u>	<u>Presentation Title</u>
ML101520248	AP1000 Diverse Actuation System (DAS) Setpoint Methodology – Westinghouse Responses to NRC Questions
ML101520340	Discussion on AP1000 Component Interface Module and Defense-in-Depth and Diversity Design

Westinghouse's Proprietary Technical Presentation Slides

<u>ADAMS Accession Number</u>		<u>Presentation Title</u>
ML101550290		AP1000 Diverse Actuation System (DAS) Setpoint Methodology – Westinghouse Responses to NRC Questions