

June 16, 2008

MEMORANDUM TO: Michael A. Junge, Chief
Operator Licensing and Human Performance Branch
Division of Construction Inspection
& Operational Programs
Office of New Reactors

FROM: Jay E. Robinson, Senior Project Manager */RA/*
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MAY 21, 2008, PUBLIC MEETING OF DIGITAL
INSTRUMENTATION AND CONTROLS HIGHLY INTEGRATED
CONTROL ROOM - HUMAN FACTORS TASK WORKING GROUP
WITH INDUSTRY REPRESENTATIVES

On May 21, 2008, the U.S. Nuclear Regulatory Commission (NRC) Digital Instrumentation and Control (DI&C) Highly Integrated Control Room (HICR) – Human Factors Task Working Group (TWG) and industry representatives held a Category 2 public meeting. Enclosure 1 provides a list of those in attendance. Enclosure 2 is the meeting agenda. Information presented by the NRC and the Nuclear Energy Institute (NEI) at the meeting is available in the NRC Agencywide Documents Access and Management System (ADAMS) under Accession No. ML081650421.

The purpose of the meeting was for industry representatives to present information on computer based procedures and unique prompting alarms, and to discuss industry white papers on manual operator actions and computerized procedures. A public meeting notice was issued on May 1, 2008, and was posted on the NRC's external (public) web page (ADAMS Accession No. ML081200247).

A representative of the NRC opened the meeting and welcomed everyone to the meeting followed by remarks from a representative of the NEI. A representative of the NRC stated his appreciation toward industry representatives for participating in the meeting and preparing the presentation materials.

Industry personnel presented "Feasibility of a Unique Prompting Alarm in Response to a Digital Common Cause Failure" (ADAMS Accession No. ML081650200).

Industry personnel presented "United States Advanced Pressurized Water Reactor (USAPWR), Defense-In-Depth and Diversity, Unique Prompting Alarms", (ADAMS Accession No. ML081650215).

NRC and Industry personnel discussed industry white paper, "A Methodology to Determine the Acceptability for Manual Operator Actions, MPR-3092, Revision A, August 2007. (ADAMS Accession No. ML080080221)

Industry personnel presented "USAPWR, Computer Based Procedures (Electronic Procedure)", (ADAMS Accession No. ML081650343).

Industry personnel presented "Use of Computer-Based Procedures for the U. S. Evolutionary Power Reactor (EPR), (ADAMS Accession No. ML081650359).

Industry personnel presented "Computerized Procedures System Design Overview", (ADAMS Accession No. ML081650362).

Industry personnel presented "Advanced Boiling Water Reactor (ABWR) Procedure Based Automation" (ADAMS Accession No. ML081650378).

Industry personnel presented "Industry Perspective on Computerized Procedures and Adequacy of Current Guidance" (ADAMS Accession No. ML081650391).

The next meeting is scheduled for June 18, 2008 in Rockville, Maryland.

A tentative date for a combined July/August meeting has not yet been proposed. Representatives from the NRC indicated that they would propose some dates in the near future.

cc w/encl: See next page

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N. Salgado	N. Carte	R. Pelton	D. Desaulniers
V. Barnes			

Package: ML081650421
Memo: ML081640229
Feasibility of a Unique Prompting Alarm in Response to a Digital Common Cause Failure: ML081650200
USAPWR, Defense-In-Depth and Diversity, Unique Prompting Alarms: ML081650215
USAPWR, Computer Based Procedures (Electronic Procedures): ML081650343
Use of Cumputer-Based Procedures for the USEPR: ML081650359
Computerized Procedures System Design Overview: ML081650362
ABWR Procedure Based Automation: ML081650378
Industry Perspective on Computerized Procedures and Adequacy of Current Guidance: ML081650391

* concurrence by e-mail

OFFICE	NRR/DLR/RPB1	NRO/DCIP/COLP *
NAME	JRobinson	MJunge
DATE	6/16/2008	5/28/2008

OFFICIAL RECORD COPY

TASK WORKING GROUP 5

MAY 21, 2008 MEETING WITH INDUSTRY REPRESENTATIVES TO DISCUSS
ISSUES RELATED TO DIGITAL INSTRUMENTATION AND CONTROL HIGHLY

INTEGRATED CONTROL ROOM—HUMAN FACTORS

Name	Organization
J.S. Marks	GE – H
Rich Stattel	GE – H
George Ponnell	Areva
Russell Smith	NEI
Bob DeWeese	MPR Associates
Desmond Raymond	Areva
Thad P. Wingo	Areva
Bob Fuld	Westinghouse
Bob Fink	CDF Services
Dave Blanchard	AREI
Ken Scarola	MNES – NAE
Joseph Naser	EPRI
Joseph Debor	Debor & Associates
Frank Quinn	STP 3 & 4
Chris Kerr	Exelon
Paul Gunter	Beyond Nuclear
Joey Konefal	MPR Associates
Barry Marcus	NRC
Michael Boggi	NRC
Valerie Barnes	NRC
James Bongarra	NRC
Julius Persensky	NRC
Michael Waterman	NRC
Russell Sydnor	NRC

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ISSUES RELATED TO DIGITAL INSTRUMENTATION AND CONTROL HIGHLY

INTEGRATED CONTROL ROOM—HUMAN FACTORS

Name	Organization
Daniel Santos	NRC
George Lapinsky	NRC
Larry Vick	NRC
David Desaulniers	NRC
Eugene Eagle	NRC
Michael Marshall	NRC
Jay Robinson	NRC
John Tappert	NRC
Michael Junge	NRC
Stewart Bailey	NRC
Michelle Killian	NRC

* - participated via teleconference

AGENDA

TASK WORKING GROUP 5

MAY 21, 2008 MEETING WITH INDUSTRY REPRESENTATIVES TO DISCUSS
ISSUES RELATED TO DIGITAL INSTRUMENTATION AND CONTROL HIGHLY
INTEGRATED CONTROL ROOM—HUMAN FACTORS ISSUES

<u>Time</u>	<u>Topic</u>	<u>Lead</u>
8:45 am	Introductions	ALL
9:00 am	Industry Presentations & Discussion on Unique Prompting Alarms	NEI
11:00 am	Discussion on Industry Manual Operator Action White Paper	NEI
12:00 pm	Lunch	N/A
1:00 pm	Industry Presentation on Computerized Procedures	NEI
3:00 pm	Discussion on Industry White Paper on Computerized Procedures	NEI/EPRI
4:00 pm	Public Questions and Comments	NRC
	Closing and Adjournment	

cc:

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