

January 15, 2008

MEMORANDUM TO: Deborah Jackson, Chief  
Technical Support Branch  
Special Projects and Technical  
Support Directorate  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

FROM: David Rahn, Sr., I&C Engineer /RA/  
Technical Support Branch  
Special Projects and Technical  
Support Directorate  
Division of Fuel Cycle Safety  
and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

SUBJECT: CATEGORY 2 PUBLIC MEETING OF THE TASK WORKING GROUP #7,  
DIGITAL INSTRUMENTATION AND CONTROL FOR FUEL CYCLE  
FACILITIES

DATE, TIME: Wednesday, January 30, 2008  
8:30 a.m. - 4:30 p.m.

LOCATION: U.S. Nuclear Regulatory Commission Headquarters  
6003 Executive Boulevard  
Executive Boulevard Building, 2<sup>nd</sup> Floor, Room E-2-E01  
Rockville, MD 20852

PURPOSE: Nuclear Regulatory Commission (NRC) staff is convening this meeting to  
exchange information with industry on the NRC's Digital Instrumentation  
and Control Task Working Group on Fuel Cycle Facilities.

CONTACT: David Rahn, NMSS/FCSS  
(301)492-3115

D. Jackson

- 2 -

CATEGORY 2:\* This is a Category 2 public meeting. The public is invited to participate in this meeting by providing comments and asking questions at a designated point during the meeting. There may be limited space at the meeting location, and interested members of the public are encouraged to participate in this meeting via a toll-free teleconference. For details, please email the NRC meeting contact, David Rahn via e-mail at [dlr1@nrc.gov](mailto:dlr1@nrc.gov) by, Monday January 28, 2008.

\*Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings, 67 *Federal Register* 36920 May 28, 2002."

PARTICIPANTS: Participants from the NRC include members of the Office of Nuclear Materials Safety and Safeguards.

NRC

J. Smith  
D. Jackson  
J. Giitter  
D. Edwards  
W. Schwink  
W. Smith  
D. Rahn

Industry

Felix Killar, NEI  
Gordon Clefton, NEI  
Ed Prytherch, Westinghouse  
Steve Powers, Areva  
Charlie Vaughan, NEI\*  
Scott Murray, GNF-A

\*Via Telecon

Enclosure: Meeting Agenda

cc: Felix Killar, NEI  
Gordon Clefton, NEI  
Ed Prytherch, Westinghouse  
Steve Powers, Areva  
Charlie Vaughan, NEI  
Scott Murray, GNF-A

CATEGORY 2:\* This is a Category 2 public meeting. The public is invited to participate in this meeting by providing comments and asking questions at a designated point during the meeting. There may be limited space at the meeting location, and interested members of the public are encouraged to participate in this meeting via a toll-free teleconference. For details, please email the NRC meeting contact, David Rahn via e-mail at, [dlr1@nrc.gov](mailto:dlr1@nrc.gov) by, Monday January 28, 2008.

\*Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings, 67 Federal Register 36920 May 28, 2002."

PARTICIPANTS: Participants from the NRC include members of the Office of Nuclear Materials Safety and Safeguards.

<u>NRC</u>	<u>Industry</u>
J. Smith	Felix Killar, NEI
D. Jackson	Gordon Clefton, NEI
J. Giitter	Ed Prytherch, Westinghouse
D. Edwards	Steve Powers, Areva
W. Schwink	Charlie Vaughan, NEI*
W. Smith	Scott Murray, GNF-A
D. Rahn	

\*Via Telecon

Enclosure: Meeting Agenda

cc: Felix Killar, NEI  
 Gordon Clefton, NEI  
 Ed Prytherch, Westinghouse  
 Steve Powers, Areva  
 Charlie Vaughan, NEI  
 Scott Murray, GNF-A

**DISTRIBUTION:**

FCSS r/f	TSB r/f	JGiitter, FCSS	WSchwink, FCSS
DEdwards, FCSS	PSilva, FCSS	JRobinson, NRR	PMNS
JSmith, FCSS	WSmith, FCSS	TMarenchin, FCSS	BPurnell, FCSS

**ML080110287**

Indicate in Box: "E"=Copy w/Encl; "C"=Copy w/o Encl; "N"=No Copy			
<b>OFFICE</b>	FCSS/TSB		FCSS/TSB
<b>NAME</b>	DRahn		DJackson
<b>DATE</b>	01/ 14 /08		01/15/08

**OFFICIAL RECORD COPY**

AGENDA FOR THE JANUARY 30, 2008 PUBLIC MEETING  
BETWEEN THE NRC AND THE NUCLEAR ENERGY INSTITUTE  
DIGITAL INSTRUMENTATION AND CONTROL  
TASK WORKING GROUP #7 FUEL CYCLE FACILITIES  
8:30 A.M. – 4:30 P.M.

- 8:30 a.m. Introduction of Participants and Discussion of Public's Opportunity to Participate
- 8:45 a.m. Review of Revised Problem Statements and Discussion of NEI/Industry Comments on the Problem Statements and Deliverables desired.
- 9:45 a.m. Break
- 10:00 a.m. Discussion of Potential Utilization/Incorporation of Criteria Described in ANSI/ISA, OSHA, EPA, and/or other Chemical Safety Standards for Safety Instrumented Systems of Chemical Process Facilities in Combination with a subset of NRC Guidance for Power Reactors for Evaluating Predictions of Overall Reliability
- 12:00 p.m. Lunch
- 1:00 p.m. Discussion of Independence Requirements for Criticality-related IROFS, within the context of Interim Staff Guidance-03, Rev. 0, "Nuclear Criticality Safety Performance Requirements and Double Contingency Principle." Also discuss the principle of Layer of Protection Analysis (LOPA).
- 2:30 p.m. Break
- 2:45 p.m. Discuss Concept of use of a Basic Process Control System (BPCS) for normal process functions, backed up by a Safety Instrumented System (SIS) for Implementation of IROFS. Identify appropriate qualification criteria for each type of system.
- 4:15 p.m. Review of Action Items Identified and Selection of Next Meeting Date
- 4:30 p.m. Adjourn

Enclosure