

June 14, 2013

MEMORANDUM TO: Anthony J. Mendiola, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Jonathan G. Rowley, Project Manager **/RA/**
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING **CLOSED** MEETING WITH AREVA NP, INC. (AREVA)
TO DISCUSS PROPRIETARY INFORMATION REGARDING FUEL
PERFORMANCE

DATE & TIME: Tuesday, June 18, 2013, 8:30 a.m. - 4:30 p.m.
Wednesday, June 19, 2013, 1:00 p.m. - 4:30 p.m.
Thursday, June 20, 2013, 8:30 a.m. - 4:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission (NRC)
One White Flint North, 11555 Rockville Pike, Room O-4B6
Two White Flint North, 11545 Rockville Pike, Room T-10A1
Three White Flint North, 11601 Landsdown Street, Room 3WFN-3A28
Rockville, MD 20852

PURPOSE: To discuss AREVA's fuel performance, including future topical reports, current fuel designs, new fuel designs, recent fuel performance experience, lead test assembly program, post-irradiation exams, and extended burn-up experience (see enclosed agenda).

PARTICIPANTS: Participants from the U.S. Nuclear Regulatory Commission include members of the Office of Nuclear Reactor Regulation (NRR), the Office of Nuclear Material Safety and Safeguards (NMSS), the Office of Nuclear Regulatory Research (RES), and the Office of New Reactors (NRO).

<u>NRC</u>	<u>AREVA</u>
A. Mendiola, NRR	A. Meginnis
S. Whaley, NRR	G. Elliott, et al.
J. Rowley, NRR	
F. Forsaty, NRO	
R. Einziger, NMSS	
J. Voglewede, RES	

Project No. 728

Enclosure: Agenda

MEETING CONTACT: Jonathan G. Rowley, NRR
301-415-4053
jonathan.rowley@nrc.gov

MEMORANDUM TO: Anthony J. Mendiola, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Jonathan G. Rowley, Project Manager **/RA/**
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING **CLOSED** MEETING WITH AREVA NP, INC. (AREVA)
TO DISCUSS PROPRIETARY INFORMATION REGARDING FUEL
PERFORMANCE

DATE & TIME: Tuesday, June 18, 2013, 8:30 a.m. - 4:30 p.m.
Wednesday, June 19, 2013, 1:00 p.m. - 4:30 p.m.
Thursday, June 20, 2013, 8:30 a.m. - 4:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission (NRC)
One White Flint North, 11555 Rockville Pike, Room O-4B6
Two White Flint North, 11545 Rockville Pike, Room T-10A1
Three White Flint North, 11601 Landsdown Street, Room 3WFN-3A28
Rockville, MD 20852

PURPOSE: To discuss AREVA's fuel performance, including future topical reports,
current fuel designs, new fuel designs, recent fuel performance
experience, lead test assembly program, post-irradiation exams, and
extended burn-up experience (see enclosed agenda).

PARTICIPANTS: Participants from the U.S. Nuclear Regulatory Commission include
members of the Office of Nuclear Reactor Regulation (NRR), the Office of
Nuclear Material Safety and Safeguards (NMSS), the Office of Nuclear
Regulatory Research (RES), and the Office of New Reactors (NRO).

NRC

A. Mendiola, NRR
S. Whaley, NRR
J. Rowley, NRR
F. Forsaty, NRO
R. Einziger, NMSS
J. Voglewede, RES

AREVA

A. Meginnis
G. Elliott, et al.

Project No. 728

Enclosure: Agenda

MEETING CONTACT: Jonathan G. Rowley, NRR
301-415-4053
jonathan.rowley@nrc.gov

DISTRIBUTION: Attached

ADAMS ACCESSION NO.: ML13163A406

NRR-106

OFFICE	NRR/DPR/PLPB/PM	NRR/DPR/PLPB/LA	NRR/DPR/PLPB/BC	NRR/DPR/PLPB/PM
NAME	JRowley	DBaxley CMH for	AMendiola	JRowley
DATE	6/14/2013	6/14/13	6/14/2013	6/14/2013

DISTRIBUTION FOR FORTHCOMING CLOSED MEETING WITH AREVA NP, INC.

Date: June 14, 2013

PUBLIC	PLPB Reading File	RidsNrrOd
RidsNrrDpr	RidsNrrDprPlpb	JRowley
RidsNrrLADBaxley	RidsOpaMail	SWhaley
AMendiola	CJackson	JDavis
REinziger	Than	PClifford
CBrown	JDean	FForsaty
AGuzzetta	AProffitt	ZAbdullahi
RidsOgcMailCenter	RidsAcrcAcnwMailCenter	RidsNrrDss
JGuttmann	MPanicker	MThomas

AGENDA*

U.S. NUCLEAR REGULATORY COMMISSION MEETING WITH AREVA NP, INC. (AREVA) TO DISCUSS PROPRIETARY INFORMATION

REGARDING FUEL PERFORMANCE

JUNE 18 THROUGH JUNE 20, 2013

June 18, 2013, Schedule

10:00 a.m. – 10:10 a.m.	Welcome and Introductions
10:10 a.m. – 10:30 a.m.	Description of AREVA Inc.
10:30 a.m. – 11:00 a.m.	NRR Management Discussion
11:00 a.m. – 11:20 a.m.	Topical Report Submittals
11:20 a.m. – 12:00 p.m.	Methods Issues Update
12:00 p.m. – 1:00 p.m.	Lunch
1:00 p.m. – 2:00 p.m.	AREVA Global Dimensions for Codes and Methods Development
2:00 p.m. – 2:30 p.m.	1. 10CFR50.46 NRC Rulemaking status 2. Fuel relocation as it relates to Appendix K 3. Briefing on presentation to ACRS re: PCI
2:30 p.m. – 2:45 p.m.	Break
2:45 p.m. – 3:30 p.m.	Perspective on Fuel Fragmentation and Dispersal under LOCA Conditions
3:30 p.m. – 4:30 p.m.	High Hydrogen Pick-up of Zircaloy-2: Recent Data, Modeling and Impact
4:30 p.m. – 5:00 p.m.	Wrap-up of Day 1
5:00 p.m.	Adjourn

June 19, 2013, Schedule

1:00 p.m. – 2:00 p.m.	<u>Discussion Topics</u> BWR Fuel & Channel Designs
2:00 p.m. – 2:45 p.m.	BWR Operating Experience/Fuel Exams
2:45 p.m. – 3:00 p.m.	Break
3:00 p.m. – 5:00 p.m.	BWR Core Engineering Methods
5:00 p.m. – 5:15 p.m.	BWR-related Summary and Next
5:15 p.m.	Adjourn

June 20, 2013, Schedule

9:00 a.m. – 10:00 a.m.	<u>Discussion Topics</u> PWR Fuel Designs
10:00 a.m. – 11:00 a.m.	PWR Operating Experience/Fuel Exams
11:00 a.m. – 11:30 a.m.	Pellet Clad Interactions
11:30 a.m. – 12:30 p.m.	Lunch
12:30 p.m. – 1:30 p.m.	PWR Core Engineering Methods
1:30 p.m. – 2:15 p.m.	PWR Safety Analysis Engineering Issue
2:15 p.m. – 2:30 p.m.	Break
2:30 p.m. – 2:45 p.m.	PWR Summary and Next Steps
2:45 p.m. – 3:45 p.m.	Parking Lot items
3:45 p.m. – 4:00 p.m.	Closing Remarks
4:00 p.m.	Adjourn

*Agenda may be subject to minor changes. Any changes will be announced at the opening of the closed meeting.

ENCLOSURE